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Supporting Information

Appendix 1: List of all 104 individual collars and their evaluation.

Animal	Area	Collar ID	Sex	Age at capture	Status	Date start	Last signal	Expected lifespan (months)	Real lifespan (months)	GPS interval (h)	Problem category	Collar performance	Drop-off type	Drop-off performance	Collar retrievels	Dead / dropped	Argos locations (LC1-3)	% Argos performance during real lifespan	GPS locations via Argos	GPS locations via collar download	% GPS performance during real lifespan	Argos uplink/collar download (%)	Expected	Collar performance success (%)	Final success (%)	Net final success (%)	Technical problems	Improved output due to collar retrieval
ARGOS collars																												
NorthStar Argos only, 0.5 Watt, ~600g																												
Przewalski's horse	Great Gobi B	16707	m	5	new	24/06/02	26/05/03	26	11	---	unknown	transmission stopped 15 months earlier than expected, animal known to be alive	Telonics	?, collar stopped working before programmed release date, horse re-captured	1	recapture	241	72	---	---	---	---	769	31	---	31	1	---
wild ass	Great Gobi B	11525	f	2	new	24/06/02	01/08/04	26	26	---	no	worked as expected	Telonics	worked as expected	1	dropped	489	64	---	---	---	---	769	64	---	64	0	---
wild ass	Great Gobi B	16716	m	2	new	28/06/02	15/03/03	26	9	---	Argos	moderate Argos performance, animal was poached after 9 months	Telonics	animal killed before the programmed release date	1	dead	153	47	---	---	---	---	346	36	---	36	1	---
			m	10	used without refurbishing	17/07/03	18/05/04	13	10	---		poor Argos performance & transmission stopped 3 months earlier than expected	Telonics	unknown, collar stopped working before programmed release date	0	---	111		---	---	---	---	381					---
wild ass	Great Gobi B	16690	f	3	new	28/06/02	01/08/04	26	26	---	better	worked as expected	Telonics	worked as expected	1	dropped	1 243	162	---	---	---	---	765	162	---	100	0	---
summary statistics															***Σ 4***		***Σ 2,237***	***Ø 86***	---	---	---	---	***Σ 3,030***	***Ø 66***	---	***Ø 58***	***Σ 2***	---
Telonics ST-18 A3200 Argos only, 0.5 Watt, old antenna, ~550g																										***67***		
Mongolian gazelle	SE Gobi	37571	f	1	new	18/10/02	18/01/06	28	40	---	better	worked 12 months longer than expected	none	---	0	---	360	227	---	---	---	---	112	321	---	100	0	---
Mongolian gazelle	SE Gobi	37572	f	adult	new	18/10/02	22/05/05	28	32	---	better	worked 4 months longer than expected	none	---	0	---	451	357	---	---	---	---	112	403	---	100	0	---
Mongolian gazelle	SE Gobi	37573	f	adult	new	26/10/02	23/05/05	28	31	---	better	worked 3 months longer than expected	none	---	0	---	322	257	---	---	---	---	112	288	---	100	0	---
Mongolian gazelle	SE Gobi	37574	f	3	new	29/10/02	08/07/03	28	8	---	unknown	animal died, collar worked better than expected	none	---	1	dead	140	413	---	---	---	---	34	204	---	100	1	---
			f	3	used without refurbishing	17/07/03	02/01/04	20	6	---		collar stopped 14 months too early	none	---	0	---	92		---	---	---	---	80					---
summary statistics															***Σ 1***		***Σ 1,365***	***Ø 314***	---	---	---	---	***Σ 450***	***Ø 304***	---	***Ø 100***	***Σ 1***	---
Telonics ST-20 A3200 Argos only, 0.5 Watt, old antenna, ~700g																												
Mongolian gazelle	SE Gobi	41243	f	2-3	new	24/07/03	23/05/06	28	34	---	better	worked 6 months longer than expected	none	---	0	---	440	319	---	---	---	---	112	393	---	100	0	---
Mongolian gazelle	E Steppe	25363	f	adult	new	13/08/03	21/04/07	28	45	---	better	worked 17 months longer than expected	none	---	0	---	617	344	---	---	---	---	112	551	---	100	0	---
Mongolian gazelle	E Steppe	25381	f	adult	new	13/08/03	08/11/03	28	3	---	better	animal poached	none	---	1	dead	81	477	---	---	---	---	12	508	---	100	0	---
			m	young	used without refurbishing	15/11/03	28/01/06	25	27	---		worked 2 months longer than expected	none	---	0	---	486		---	---	---	---	100					---
Mongolian gazelle	E Steppe	25448	f	adult	new	16/08/03	08/11/03	28	3	---	better	animal poached	none	---	1	dead	63	251	---	---	---	---	11	251	---	100	0	---
			f	adult	used without refurbishing	15/11/03	24/07/04	25	8	---		animal died, collar worked better than expected	none	---	1	dead	114		---	---	---	---	34					---
			m	3	used without refurbishing	31/07/04	24/12/05	17	17	---		worked better than expected	none	---	0	---	106		---	---	---	---	68					---
Mongolian gazelle	E Steppe	42645	f	adult	new	18/08/03	29/07/06	28	36	---	better	worked 4 months longer than expected	none	---	0	---	476	332	---	---	---	---	112	425	---	100	0	---
summary statistics															***Σ 3***		***Σ 2,383***	***Ø 344***	---	---	---	---	***Σ 560***	***Ø 426***	---	***Ø 100***	***Σ 0***	---
Telonics ST-20 A3210 Argos only, 0.5 Watt, new antenna, ~700g																		***331***										
Mongolian gazelle	SE Gobi	67920	f	1	new	18/05/07	15/06/08	40	13	---	Argos / unknown	moderate Argos performance, transmission stopped 27 months too early	none	---	0	---	28	53	---	---	---	---	160	18	---	18	1	---
Mongolian gazelle	SE Gobi	67921	f	2	new	18/05/07	ongoing	40	33+	---	better	works better than as expected	none	---	0	---	276	209	---	---	---	---	160	173	---	100	0	---
Mongolian gazelle	SE Gobi	67922	f	1	new	20/05/07	10/08/08	40	15	---	unknown	transmission stopped 25 months too early	none	---	0	---	118	198	---	---	---	---	160	74	---	74	1	---
Mongolian gazelle	SE Gobi	67923	m	1	new	22/05/07	08/12/08	40	19	---	Argos / unknown	moderate Argos performance, transmission stopped 21 months too early	none	---	0	---	48	64	---	---	---	---	160	30	---	30	1	---
Mongolian gazelle	SE Gobi	67924	f	adult	new	22/05/07	12/04/08	40	11	---	Argos	very poor Argos performance, animal believed to have died (last locations from same position)	none	---	0	most likely dead	2	5	---	---	---	---	43	5	---	5	1	---
Mongolian gazelle	SE Gobi	67925	f	1	new	29/05/07	25/07/08	40	14	---	unknown	transmission stopped 26 months too early	none	---	0	---	44	78	---	---	---	---	160	28	---	28	1	---
Mongolian gazelle	SE Gobi	67926	m	1	new	29/05/07	ongoing	40	33+	---	Argos	poor Argos performance	none	---	0	---	44	33	---	---	---	---	160	28	---	28	1	---
Mongolian gazelle	SE Gobi	67927	m	2	new	31/05/07	07/04/09	40	23	---	unknown	collar stopped 17 months too early	none	---	0	---	187	207	---	---	---	---	160	117	---	100	1	---
Mongolian gazelle	SE Gobi	67928	f	adult	new	31/05/07	ongoing	40	33+	---	no	works as expected	none	---	0	---	190	144	---	---	---	---	160	119	---	100	0	---
Mongolian gazelle	SE Gobi	67929	m	1- 2	new	01/06/07	29/10/08	40	17	---	unknown	collar stopped 23 months too early	none	---	0	---	149	217	---	---	---	---	160	93	---	93	1	---
Mongolian gazelle	SE Gobi	67930	m	1	new	20/05/07	03/10/07	40	5	---	unknown	transmission stopped 35 months too early	none	---	0	---	32	176	---	---	---	---	160	20	---	20	1	---
Mongolian gazelle	SE Gobi	67931	f	1	new	22/05/07	18/06/09	40	25	---	unknown	transmission stopped 15 months too early	none	---	0	---	112	111	---	---	---	---	160	70	---	70	1	---
Mongolian gazelle	SE Gobi	67932	f	adult	new	22/05/07	17/07/08	40	14	---	unknown	transmission stopped 26 months too early	none	---	0	---	72	128	---	---	---	---	160	45	---	45	1	---
Mongolian gazelle	SE Gobi	67933	f	adult	new	29/05/07	15/04/09	40	23	---	no	collar worked as expected, animal believed to have died (last locations from same position)	none	---	0	most likely dead	89	97	---	---	---	---	92	97	---	97	0	---
Mongolian gazelle	SE Gobi	67934	f	2	new	29/05/07	15/04/09	40	23	---	no	collar worked as expected, animal believed to have died (last locations from same position)	none	---	0	most likely dead	83	91	---	---	---	---	92	91	---	91	0	---
Mongolian gazelle	SE Gobi	67935	f	adult	new	01/06/07	30/05/08	40	12	---	better	collar worked better than expected, animal died	none	---	0	dead	114	235	---	---	---	---	49	235	---	100	0	---
Mongolian gazelle	SE Gobi	78510	f	2,5	new	01/11/07	ongoing	40	33+	---	Argos	poor Argos performance	none	---	0	---	44	33	---	---	---	---	160	28	---	28	1	---
Mongolian gazelle	SE Gobi	78511	f	2,5	new	01/11/07	ongoing	40	33+	---	no	works as expected	none	---	0	---	115	87	---	---	---	---	160	72	---	72	0	---
Mongolian gazelle	SE Gobi	78512	f	4-5	new	01/11/07	ongoing	40	33+	---	no	works as expected	none	---	0	---	98	74	---	---	---	---	160	61	---	61	0	---
Mongolian gazelle	SE Gobi	78513	m	0,5	new	02/11/07	ongoing	40	33+	---	no	works as expected	none	---	0	---	82	62	---	---	---	---	160	51	---	51	0	---
summary statistics															***Σ 0***		***Σ 1,927***	***Ø 115***	---	---	---	---	***Σ 2,835***	***Ø 73***	---	***Ø 60***	***Σ 12***	---
Telonics ST-20 A3310 Argos only, 1 Watt, new antenna, ~1000g																												
wild ass	SE Gobi	67936	m	3	new	20/07/07	27/10/07	30	3	---	unknown	transmission stopped 27 months too early	none	---	0		27	205	---	---	---	---	120	23	---	23	1	---
wild ass	SE Gobi	67937	m	8-9	new	20/07/07	30/12/07	30	5	---	unknown	transmission stopped 25 months too early	none	---	0		41	189	---	---	---	---	120	34	---	34	1	---
summary statistics															***Σ 0***		***Σ 68***	***Ø 197***	---	---	---	---	***Σ 240***	***Ø 28***	---	***Ø 28***	***Σ 2***	---
Telonics ST-20 A3310 Argos only, 0.5 Watt, new antenna, ~1000g																												
wild ass	SE Gobi	67938	m	3	new	20/07/07	01/09/07	60	0	---	unknown	total collar failure	none	---	0	---	0	---	---	---	---	---	240	0	---	0	1	---
wild ass	SE Gobi	67939	m	7	new	21/07/07	08/08/07	60	1	---	Argos / unknown	poor Argos performance, transmission stopped 59 months too early	none	---	0	---	1	42	---	---	---	---	240	0	---	0	1	---
wild ass	SE Gobi	67940	f	4-5	new	20/07/07	17/07/08	60	12	---	Argos / unknown	very poor Argos performance, transmission stopped 48 months too early	none	---	0	---	7	14	---	---	---	---	240	3	---	3	1	---
wild ass	SE Gobi	67941	m	8	new	21/07/07	31/07/07	60	0	---	unknown	transmission stopped within first month	none	---	0	---	32	---	---	---	---	---	240	13	---	13	1	---
wild ass	SE Gobi	67942	f	7	new	21/07/07	15/07/07	60	0	---	unknown	transmission stopped almost 60 months too early	none	---	0	---	31	---	---	---	---	---	240	13	---	13	1	---
wild ass	SE Gobi	67943	f	3	new	20/07/07	08/02/08	60	7	---	Argos / unknown	moderate Argos performance, transmission stopped almost 53 months too early	none	---	0	---	18	67	---	---	---	---	240	8	---	8	1	---
wild ass	SE Gobi	67944	m	9-10	new	20/07/07	20/07/07	60	0	---	unknown	transmission stopped within first month	none	---	0	---	3	---	---	---	---	---	240	1	---	1	1	---
wild ass	SE Gobi	67945	f	9-10	new	20/07/07	24/02/08	60	7	---	Argos / unknown	moderate Argos performance, transmission stopped almost 53 months too early	none	---	0	---	15	51	---	---	---	---	240	6	---	6	1	---
wild ass	SE Gobi	67946	m	5	new	21/07/07	19/10/07	60	3	---	Argos / unknown	very poor Argos performance, transmission stopped almost 57 months too early	none	---	0	---	3	25	---	---	---	---	240	1	---	1	1	---
wild ass	SE Gobi	67947	f	9-10	new	21/07/07	23/06/08	60	11	---	Argos / unknown	poor Argos performance, transmission stopped almost 49 months too early	none	---	0	---	16	36	---	---	---	---	240	7	---	7	1	---
wild ass	SE Gobi	67948	m	2-3	new	21/07/07	03/10/07	60	2	---	Argos / unknown	very poor Argos performance, transmission stopped almost 58 months too early	none	---	0	---	2	20	---	---	---	---	240	1	---	1	1	---
wild ass	SE Gobi	67949	f	9-10	new	20/07/07	25/07/08	60	12	---	Argos / unknown	very poor Argos performance, transmission stopped almost 48 months too early	none	---	0	---	5	10	---	---	---	---	240	2	---	2	1	---
wild ass	SE Gobi	67950	f	4	new	20/07/07	09/09/07	60	2	---	unknown	transmission stopped almost 58 months too early	none	---	0	---	6	88	---	---	---	---	240	3	---	3	1	---
wild ass	SE Gobi	67951	m	9-10	new	21/07/07	14/12/07	60	5	---	Argos / unknown	very poor Argos performance, transmission stopped almost 55 months too early	none	---	0	---	4	21	---	---	---	---	240	2	---	2	1	---
summary statistics															***Σ 0***		***Σ 143***	***Ø 37***	---	---	---	---	***Σ 3,360***	***Ø 4***	---	***Ø 4***	***Σ 14***	---
Summary statistics for all ARGOS collars															**Σ 8**		**Σ 8,123**	**Ø 142**	---	---	---	---	**Σ 10,475**	**Ø 106**	---	**Ø 50**	**Σ 31**	---
ARGOS / GPS collars																												
NorthStar GPS-Argos, ~1000g for Przewalski's horses and ~650g for gazelles																												
Przewalski's horse	Great Gobi B	23091	f	4	new	30/10/01	02/05/02	24	6	11,25	unknown	worked as expected, but horse died after 6 months	LOTEK	?, collar retrieved before the programmed release date from dead horse	1	dead	251	---	yes	349	89	---	384	---	6	6	1	1
			f	10	used without refurbishing	17/10/02	14/05/04	13	19	11,25		total collar failure	LOTEK	failed to open, horse re-captured	1	recapture	0		0	0	0		1 051					0
Przewalski's horse	Great Gobi B	22929	f	7	new	01/11/01	27/05/02	12	7	5,15	Argos & GPS	Argos part failed; GPS performance poor, collar retrieved after 7 months	LOTEK	worked as expected	1	recapture	0	---	0	446	46	0	1 678	0	27	27	1	1
Przewalski's horse	Great Gobi B	23095	m	4	new	01/11/01	13/04/02	24	5	11,25	unknown	stopped working 19 months earlier than expected, animal known to be alive	LOTEK	failed to open, collar broke off	0	---	172	---	284	---	---	---	1 557	18	18	18	1	---
Przewalski's horse	Great Gobi B	23086	f	10	new	04/11/01	20/10/02	12	12	5,15	no	worked as expected for 12 months, stored data deleted by producer	LOTEK	worked as expected	1	dropped	286	---	1 103	---	---	---	1 701	65	65	65	0	0
Przewalski's horse	Great Gobi B	15490	f	5	new	24/10/02	09/04/04	12	18	5,15	no	worked for 6 months longer than expected	none	---	0	---	yes	---	965	---	---	---	1 701	57	57	57	0	---
Przewalski's horse	Great Gobi B	23086	f	3	refurbished	12/05/03	28/08/03	12	4	5,15	no	worked as expected, but collar destroyed after 4 months by people	Telonics	?, collar removed before the programmed release date	0	---	yes	---	422	---	---	---	559	75	75	75	0	---
Przewalski's horse	Great Gobi B	23091	f	3	refurbished	25/06/05	30/06/05	24	0	11,25	mechanical	battery case broken within 1 week	LOTEK	failed to open, horse re-captured	1	recapture	0	---	0	0	[0]	---	1 557	0	0	0	1	0
Mongolian gazelle	SE Gobi	37575	f	4-5	new	17/07/03	17/07/03	16	0	---	unknown	worked for only 1 day	none	---	0		1	---	0	---	---	---	64	2	2	2	1	0
summary statistics															***Σ 5***		***Σ >710***	---	***Σ >2,774***	***Σ 795***	***Ø 45***	---	***Σ 10,253***	***Ø 31***	***Ø 31***	***Ø 31***	***Σ 5***	***Σ 2***
Telonics TGW 3580 standard GPS-Argos, ~700g																												
wolf	Great Gobi B	25756	f	adult	new	06/05/03	16/09/05	19	29	8,00	better	worked for 8 months longer than expected	none	---	1	dead	---	---	1 117	2 228	86	50	1 710	65	130	100	0	1
wolf	Great Gobi B	25778	m	young adultult	new	05/03/04	19/09/05	19	19	8,00	Argos	poor Argos performance	Telonics	worked as expected	1	dropped	---	---	412	1 456	86	28	1 710	24	85	85	1	1
Przewalski's horse	Great Gobi B	25806	f	5	new	11/05/03	01/05/05	24	24	12,00	no	moderate Argos perfrmance, moderate GPS performance	Telonics	worked as expected	1	dropped	---	---	502	826	57	61	1 460	34	57	57	0	1
Przewalski's horse	Great Gobi B	22426	f	11	new	28/10/03	29/07/05	24	21	12,50	GPS	poor GPS performance	LOTEK	opened when the magnet was pulled	1	recapture	---	---	325	462	38	70	1 402	23	33	33	1	1
Przewalski's horse	Great Gobi B	22929	f	6	refurbished	25/06/05	09/07/07	19	25	13,00	Argos	worked for 6 months longer than expected, but Argos transmission problems since March 2006	LOTEK	failed to open	1	recapture	---	---	614	1 302	95	47	1 348	46	97	97	1	1
wild ass	Great Gobi B	25915	m	4	new	16/07/03	07/08/04	24	13	12,50	unknown	stopped working 11 months earlier than expected	Telonics	?, collar stopped working before programmed release date	0	---	---	---	424	---	---	---	1 402	30	30	30	1	---
wild ass	Great Gobi B	22366	m	4	new	16/07/03	28/06/04	24	12	12,50	unknown	stopped working 12 months earlier than expected	Telonics	?, collar stopped working before programmed release date	0	---	---	---	360	---	---	---	1 402	26	26	26	1	---
wild ass	Great Gobi B	22929	m	7	new	16/07/03	03/08/04	23	13	12,50	no	worked as expected, but collar dropped after 13 months	Telonics	drop-off mechanically damaged, opened 5 months too early	1	dropped	---	---	550	648	88	85	749	73	87	87	0	1
wild ass	SE Gobi	58851	m	2-3	new	03/07/05	25/04/06	16	10	7,00	Argos	poor Argos performance since December 2005, animal died in April 2006	Telonics	?, collar retrieved before the programmed release date from dead khulan	1	dead	---	---	160	993	98	16	1 029	16	97	97	1	1
wild ass	SE Gobi	58848	f	5	new	03/07/05	20/10/06	16	16	7,00	Argos	poor Argos performance since December 2005	Telonics	worked as expected	1	dropped	---	---	292	1 570	97	19	1 646	18	95	95	1	1
wild ass	SE Gobi	58850	f	7	new	03/07/05	19/04/06	16	10	7,00	Argos	poor Argos performance since December 2005, no more Argos transmission after April 2006	Telonics	?, collar stopped working before programmed release date	0	---	---	---	146	---	---	---	1 646	9	9	9	1	---
wild ass	SE Gobi	58854	f	11	new	04/07/05	02/12/05	16	5	7,00	Argos	no Argos transmission since December 2005	Telonics	?, collar stopped working before programmed release date	0	---	---	---	66	---	---	---	1 646	4	4	4	1	---
wild ass	SE Gobi	58853	m	5-6	new	05/07/05	03/05/06	16	10	7,00	Argos	poor Argos performance since December 2005, no more Argos transmission after April 2006	Telonics	?, collar stopped working before programmed release date	0	---	---	---	128	---	---	---	1 646	8	8	8	1	---
wild ass	SE Gobi	58849	m	4	new	09/07/05	30/07/05	16	1	7,00	no	most likely poached after 3 weeks, collar lost	Telonics	?, animal suspected to have been killed before programmed release date	0	most likely poached	---	---	[34]	---	---	---	[1,646]	[2]	[2]	[2]	0	---
wild ass	SE Gobi	58852	m	4	new	09/07/05	08/08/06	16	13	7,00	Argos	poor Argos performance since December 2005, collar with dent from bullet impact	Telonics	worked as expected	1	dropped	---	---	152	1 168	86	13	1 646	9	71	71	1	1
wild ass	Great Gobi A	48849	m	adult	new	04/07/06	?	16	?	7,00	Argos / unknown	only 4 successful Argos transmissions	Telonics	?, collar stopped working before programmed release date	0	---	---	---	20	---	---	---	1 954	1	1	1	1	---
wild camel	Great Gobi A	62097	m	8-9	new	04/12/05	04/12/05	11	0	7,00	human error - user	failed completely, probably initialization problem	Telonics	?, collar never worked before programmed release date	0	---	---	---	0	0	---	---	1 954	0	0	0	1	---
wild camel	Great Gobi A	62098	f	6	new	04/12/05	04/12/05	11	0	7,00	human error - user	failed completely, probably initialization problem	Telonics	?, collar never worked before programmed release date	0	---	---	---	0	0	---	---	1 954	0	0	0	1	---
wild camel	Great Gobi A	62099	f	6	new	06/12/05	06/12/05	11	0	7,00	human error - user	failed completely, probably initialization problem	Telonics	?, collar never worked before programmed release date	0	---	---	---	0	0	---	---	1 954	0	0	0	1	---
summary statistics															***Σ 9***	---	---	---	***Σ 5,302***	***Σ 10,653***	***Ø 81***	***Ø 43***	***Σ 28,256***	***Ø 22***	***Ø 46***	***Ø 44***	***Σ 16***	***Σ 9***
Telonics TGW 3580 GPS-ARGOS, 0.5 Watt, new antenna, ~700g																												
wild ass	Great Gobi A	58848	m	7-8	refurbished	27/05/07	01/09/07	12	3	7,00	mechanical	stopped working 9 months earlier than expected, Argos antenna likely broke	Telonics	?, ARGOS transmission stopped after 3 months	0		27	---	270	---	---	---	1 251	22	22	22	1	---
wild camel	Great Gobi A	70350	m	young adultult	new	22/05/07	31/05/08	13	13	7,00	no	worked as expected, but stopped working after drop-off, collar retrieved	Telonics	worked as expected	1	dropped	100	---	1 056	1 260	98	84	1 354	78	93	126	0	1
summary statistics															***Σ 1***		***Σ 127***	---	***Σ 1,326***	***Σ 1,260***	***Ø 98***	***Ø 84***	***Σ 2,606***	***Ø 50***	***Ø 58***	***Ø 58***	***Σ 1***	***Σ 1***
summary statistics for GPS / ARGOS collars															**Σ 15**		**Σ >837**	---	**Σ 9,402**	**Σ 12,708**	**Ø 74**	**Ø 43**	**Σ 42,760**	**Ø 26**	**Ø 43**	**Ø 43**	**Σ 22**	**Σ 12**
GPS-ARGOS/CR collars																												
Telonics TGW3580 GPS-Argos/CR, 1 Watt, old antenna, SOB modus with Argos unit for collar retrieval, ~700g																												
wild ass	Great Gobi A	22366	f	young adult	refurbished	22/05/07	25/10/08	19	17	11,00	human error - producer	programming mistake by Telonics, poor Argos performance, collar drop off on 20.12.2008	Telonics	worked as expected	1	dropped, retrieved via VHF in Oct. 09	0	---	29	975	86	3	1 244	[2]	78	78	1	[1]
wild ass	Great Gobi A	70349	m	young adult	new	25/05/07	05/03/08	20	10	11,00	human error - producer	programming mistake by Telonics, poor Argos performance, drop-off was timed for 15.01.2009	Telonics	?, due to programming mistake collar battery depleted before the programmed release date	0	---	0	---	19	---	---	---	1 309	[1]	1	1	1	---
wild ass	Great Gobi A	25731	f	5-7	new	05/06/07	21/12/08	19	19	11,00	human error - producer	programming mistake by Telonics, poor Argos performance, but dropped collar managed to reach the Argos satellite in January 2009	Telonics	worked as expected	1	dropped	0	---	0 [only reached ARGOS after drop-off]	1 208	98	0	1 244	[0]	97	97	1	[1]
wild camel	Great Gobi A	25915	f	young	refurbished	23/05/07	06/08/08	19	15	11,00	human error - producer	programming mistake by Telonics, poor Argos performance, drop off was timed for 20.12.2008	Telonics	?, due to programming mistake collar battery depleted before the programmed release date	0	---	0	---	227	---	---	---	1 244	[18]	18	18	1	---
wild camel	Great Gobi A	70348	m	9-10	new	25/05/07	17/09/08	20	16	11,00	human error - producer	programming mistake by Telonics, poor Argos performance,drop off was timed for 15.01.2009	Telonics	?, due to programming mistake collar battery depleted before the programmed release date	0	---	0	---	81	---	---	---	1 309	[6]	6	6	1	---
wild camel	Great Gobi A	25778	f	11-12	refurbished	25/05/07	10/04/08	19	11	11,00	human error - producer	programming mistake by Telonics, poor Argos performance, collar retrieved from dead animal	Telonics	?, animal died before the programmed release date	1	dead	0	---	12	696	99	4	720	[2]	97	97	1	[1]
wild camel	Great Gobi A	25805	m	young adult	new	01/06/07	17/06/08	19	1 / (13)	11,00	human error - producer	programming mistake by Telonics, very poor Argos performance, collar retrieved due to premature opening of drop-off	Telonics	release opened prematurely after 10 days, collar retrieved, evaluation pending	1	dropped	0	---	[6]	[21]	96	[29]	[1,244]	[0]	[2]	[2]	1	[1]
Summary statistics for all GPS / ARGOS-SOB collars															**Σ 4**		**Σ 0**		**Σ 368**	**Σ 2,879**	**Ø 95**	**Ø 2**	**Σ 7,069**	---	**Ø 50**	**Ø 50**	**Σ 7**	**[4]**
GPS store-on-boar collars																												
FIWI GPS-SOB, ~700g																												
wild ass	Great Gobi B	SOB	f	4-5	new	02/07/07	10/07/08	12	12	0,25	software	worked for only 2 days	Telonics	worked as expected	1	dropped	---	---	---	144	75	---	35 904	0	0	0	1	[1]
wild ass	Great Gobi B	SOB	m	>11	new	02/07/07	10/07/07	12	0	0,25	software	worked for only 7 days	Telonics	worked as expected	1	dropped	---	---	---	695	103	---	35 904	2	2	2	1	[1]
wild ass	Great Gobi B	SOB	f	6-7	new	03/07/07	30/07/07	12	1	0,25	software	worked for only 23 days	Telonics	worked as expected	1	dropped	---	---	---	2 210	100	---	35 808	6	6	6	1	[1]
wild ass	Great Gobi B	SOB	f	9-10	new	03/07/07	08/07/07	12	0	0,25	software	worked for only 1 day	Telonics	worked as expected	1	dropped	---	---	---	94	98	---	35 808	0	0	0	1	[1]
wild ass	Great Gobi B	SOB	m	4	new	03/07/07	15/07/07	12	0	0,25	software	worked for only 12 days	Telonics	worked as expected	1	dropped	---	---	---	1 155	100	---	35 808	3	3	3	1	[1]
wild ass	Great Gobi B	SOB	m	>12	new	03/07/07	10/08/08	12	13	0,25	software	worked for only 10 days	Telonics	worked as expected	1	dropped	---	---	---	964	100	---	35 808	3	3	3	1	[1]
wild ass	Great Gobi B	SOB	m	4-5	new	03/07/07	?	12	?	0,25	mechanical	GPS unit broken off	Telonics	worked as expected	1	dropped	---	---	---	0	---	---	35 808	0	0	0	1	[0]
wild ass	Great Gobi B	SOB	m	8	new	03/07/07	?	12	?	0,25	mechanical	GPS unit broken off & leather belt ripped open	Telonics	worked as expected	1	dropped	---	---	---	0	---	---	35 808	0	0	0	1	[0]
wild ass	Great Gobi B	SOB	f	3-4	new	05/07/07	20/08/07	12	2	0,25	software	worked for only 26 days	Telonics	worked as expected	1	dropped	---	---	---	2 539	102	---	35 616	7	7	7	1	[1]
wild ass	Great Gobi B	SOB	f	6-7	new	05/07/07	20/06/08	12	12	0,25	no	worked as expected	Telonics	worked as expected	1	dropped	---	---	---	33 023	98	---	35 616	93	93	93	0	[1]
Przewalski's horse	Great Gobi B	SOB	m	5	new	10/09/07	16/10/07	12	1	0,25	no	worked as expected, collar removed after 1 month because it was too tight	Telonics	?, removed before the programmed release date	1	recapture	---	---	---	3 389	98	---	3 456	98	98	98	0	[1]
Przewalski's horse	Great Gobi B	SOB	m	3	new	10/09/07	?	12	?	0,25	mechanical	animal seen without collar, leather belt likely ripped open	Telonics	?, collar lost before the programmed release date	0	---	---	---	---	0	---	---	34 272	0	0	0	1	---
Przewalski's horse	Great Gobi B	SOB	m	1	new	15/07/08	20/08/08	1	1	0,25	no	worked as expected	Telonics	worked as expected	1	dropped	---	---	---	3 430	99	---	3 456	99	99	99	0	[1]
Summary statistics for all GPS SOB collars															**Σ 12**		---	---	---	**Σ 47,643**	**Ø 97**	---	**Σ 399,072**	---	**Ø 24**	**Ø 24**	**Σ 10**	[10]