

TRUNESER

ANZAHL KIEMENREUSENDORNEN

BRIENZLIG:

\*ALBOCK\*:

KROFFER:

MAENNCHEN + WEIBCHEN	KROFFER					*ALBOCK*					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	23.5	3.7	20	20	32	18	0	30.8	2.7	25	40	98	0	39.0	3.0	29	46	239
260	25.5	4.9	20	20	32	6	260	30.5	2.7	26	36	15	220	42.3	.8	41	43	6
300	22.3	2.1	20	20	27	12	300	31.3	3.6	25	40	34	260	40.6	2.0	34	45	40
							340	30.3	2.0	26	35	32	300	39.6	3.0	30	46	79
							380	30.6	1.6	28	34	14	340	38.0	2.8	29	44	104
							420	30.6	1.1	29	32	5	380	38.0	3.0	31	43	19

MAENNCHEN	KROFFER					*ALBOCK*					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	21.3	.9	20	20	23	8	0	31.5	3.4	26	40	40	0	36.9	3.2	29	46	112
300	21.3	1.0	20	20	23	7	260	30.5	4.1	26	36	4	260	41.2	3.0	36	45	14
							300	32.6	4.1	28	40	17	300	39.9	3.4	30	46	33
							340	31.2	2.4	28	35	11	340	37.8	2.8	29	42	59
							380	29.9	1.2	28	31	7	380	38.5	2.9	31	41	10

WEIBCHEN	KROFFER					*ALBOCK*					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
8	25.3	4.1	20	20	32	10	0	30.3	2.0	25	34	58	0	39.1	2.9	31	46	127
260	26.4	4.9	20	20	32	5	260	30.5	2.3	26	34	11	220	42.2	1.0	41	43	4
300	23.8	2.6	21	21	27	5	300	30.0	2.3	25	34	17	260	40.3	2.8	34	44	26
							340	29.9	1.7	26	32	21	300	39.4	2.8	32	46	46
							380	31.3	1.6	29	34	7	340	38.2	2.7	31	44	45
							420	30.2	1.0	29	31	4	380	37.4	3.2	33	43	9

Tabelle 3

THURERSEE

ANZAHL SEITENLINIENSCHUPPEN

KROPPER:

\*ALBOCK\*:

BRIENZLIG:

MAENNCHEN + WEIBCHEN	TL		M		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N	
	TL	N	M	ST	MIN	MAX	N	MIN	MAX	N	TL	N	M	ST	MIN	MAX	N	TL	N	M	ST	MIN	MAX	N
	0	19	85.0	4.9	75	96	19	75	96	19	0	85.9	3.3	77	96	90	0	87.9	5.4	73	102	239		
	260	6	87.2	1.7	85	90	6	77	90	15	260	85.1	3.2	77	90	15	220	84.3	2.4	81	87	6		
	300	11	83.3	5.4	75	96	11	79	96	33	300	86.1	3.2	79	96	33	260	83.8	4.4	75	93	40		
											340	85.5	3.3	79	93	30	300	86.4	4.6	73	98	74		
											380	86.5	3.3	81	92	13	340	90.5	5.0	77	102	102		
											420	86.4	4.0	81	92	5	380	90.5	4.8	82	100	16		

MAENNCHEN	TL		M		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N	
	TL	N	M	ST	MIN	MAX	N	MIN	MAX	N	TL	N	M	ST	MIN	MAX	N	TL	N	M	ST	MIN	MAX	N
	0	6	83.1	3.8	75	87	6	79	96	40	0	86.3	3.5	79	96	40	0	89.1	5.2	77	101	112		
	300	7	82.9	4.0	75	87	7	85	88	4	260	85.7	1.5	85	88	4	260	83.9	4.3	77	93	14		
											300	87.4	3.0	83	96	17	300	86.7	3.3	81	93	31		
											340	85.1	4.3	79	93	11	340	91.4	4.9	77	101	57		
											380	86.9	3.7	81	92	7	380	91.9	4.5	86	100	8		

WEIBCHEN	TL		M		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N	
	TL	N	M	ST	MIN	MAX	N	MIN	MAX	N	TL	N	M	ST	MIN	MAX	N	TL	N	M	ST	MIN	MAX	N
	0	10	86.5	5.4	78	96	10	77	92	58	0	85.5	3.1	77	92	58	0	86.9	5.4	73	102	127		
	260	5	87.6	1.5	86	90	5	77	90	11	260	85.7	3.7	77	90	11	220	84.2	2.4	81	86	4		
	300	4	84.0	8.1	78	96	4	79	89	16	300	84.7	2.9	79	89	16	260	83.7	4.6	75	93	26		
											340	85.8	2.7	81	90	19	300	86.1	5.3	73	98	43		
											380	86.0	3.0	82	91	6	340	89.4	5.0	79	102	45		
											420	87.7	4.3	82	92	4	380	89.1	5.0	82	97	8		

THURERSEE

RELATIVE AFTERFLOSSENBASIS

KROPPER:

"ALBOCK":

BRIENZLIG:

KROPPER	"ALBOCK"					BRIENZLIG						
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	106.0	11.6	64	117	10	0	100.4	8.0	78	129	97
WEIBCHEN	260	108.2	6.1	101	116	6	260	102.9	8.3	93	122	15
	300	105.3	14.3	64	117	11	300	99.1	7.2	87	113	33
							340	101.1	9.1	78	129	30
							380	101.0	7.2	88	111	13
							420	97.2	7.6	90	110	5

KROPPER	"ALBOCK"					BRIENZLIG						
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	103.9	16.9	64	117	8	0	100.6	8.7	78	122	40
WEIBCHEN	260	103.7	18.2	64	117	7	260	103.5	12.6	94	122	4
	300						300	99.2	7.2	87	113	17
							340	98.8	11.3	78	118	11
							380	102.6	5.5	96	110	7

KROPPER	"ALBOCK"					BRIENZLIG						
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	107.7	5.1	101	116	10	0	100.3	7.5	87	129	57
WEIBCHEN	260	108.8	6.6	101	116	5	260	102.6	7.0	93	116	11
	300	108.0	1.6	105	110	4	300	98.1	7.4	87	113	16
							340	101.9	7.8	93	129	19
							380	99.2	9.0	88	111	6
							420	94.0	2.9	90	97	4

Tabelle 5

THUNERSEE

RELATIVE RUECKENFLOSSENBASIS

KROPPER:

\*ALBOCK\*:

BRIENZLIG

	KROPPER:					*ALBOCK*:					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	105.4	4.7	96	114	18	0	105.2	7.9	94	128	98	0	99.3	6.5	82	118	239
WEIBCHEN	260	104.7	3.4	100	109	6	260	105.1	7.1	97	122	15	220	97.7	5.8	88	106	6
	300	105.5	5.5	96	114	11	300	106.1	7.9	95	128	34	260	97.8	6.3	82	110	40
							340	106.1	9.5	94	127	30	360	99.4	6.8	87	118	74
							360	103.2	5.1	95	112	13	340	106.0	6.5	82	112	103
													360	98.5	5.9	86	111	16

	KROPPER:					*ALBOCK*:					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	105.1	4.8	99	114	8	0	107.4	9.3	95	128	40	0	99.1	5.8	86	118	113
	300	105.1	5.2	99	114	7	260	105.7	11.1	97	122	4	260	98.7	5.2	88	116	14
							360	106.9	9.7	95	128	17	300	98.8	6.4	89	116	31
							340	110.3	10.9	95	127	11	340	99.3	6.0	85	111	58
							360	106.9	5.0	97	112	7	360	98.5	4.4	94	108	8

	KROPPER:					*ALBOCK*:					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
WEIBCHEN	0	105.6	4.9	96	111	10	0	105.4	6.6	94	126	58	0	99.4	7.1	82	118	126
	260	104.6	3.8	100	109	5	260	104.8	5.7	97	113	11	220	98.0	4.7	88	98	4
	300	106.0	6.9	96	111	4	300	105.4	5.7	97	117	17	260	97.3	6.9	82	110	26
							340	106.8	8.6	94	126	19	340	99.2	7.2	87	118	43
							360	101.2	4.7	95	107	6	340	100.8	7.0	82	112	45
													360	98.5	7.5	86	111	8

Tabella 6

THUNERSEE

RELATIVE RUECKENFLOSSENLAENGE

\*ALBOCK\*:

KROPPER:

MAENCHEN WEIBCHEN	*ALBOCK*					KROPPER:						
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	160.9	8.4	145	174	18	0	156.2	10.4	125	176	97	0
260	162.3	8.7	154	172	6	260	154.6	11.1	137	170	15	260
300	160.9	8.6	145	174	11	300	156.5	9.9	138	176	33	300
						340	158.5	11.6	125	173	30	340
						380	156.8	9.7	144	174	13	380
						420	161.4	8.1	149	171	5	420

MAENCHEN	*ALBOCK*					KROPPER:						
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	163.9	6.0	157	174	0	0	155.1	11.7	125	176	40	0
300	163.6	6.4	157	174	7	260	157.5	11.5	141	167	4	260
						300	155.4	11.0	138	176	17	300
						340	150.8	14.3	125	172	11	340
						380	158.9	8.7	149	174	7	380

WEIBCHEN	*ALBOCK*					KROPPER:						
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	158.5	9.6	145	172	10	0	157.0	9.4	137	173	57	0
260	161.6	9.5	154	172	5	260	153.5	11.3	137	170	11	220
300	156.3	10.9	145	171	4	300	157.6	9.0	144	171	16	260
						340	158.3	8.5	141	173	19	300
						380	154.3	11.0	144	170	6	340
						420	161.7	9.3	149	171	4	380

THUNERSEE

RELATIVE BRUSTFLOSSENLAENGE

KROPPER:

\*ALBOCK\*:

BRIENZLIG:

MAENNCHEN  
+  
WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	157.9	16.3	129	187	18	0	136.1	9.1	108	168	97	0	136.5	10.0	110	168	236
260	157.3	21.8	129	187	6	260	133.5	11.9	119	168	15	220	140.3	13.3	127	164	6
300	160.2	12.8	142	176	11	300	133.0	7.6	118	151	33	260	141.5	9.9	119	163	39
						340	135.3	7.4	108	146	30	300	138.4	10.8	110	163	74
						380	143.8	7.9	129	156	13	340	133.1	8.3	112	153	102
						420	145.0	4.3	140	150	4	380	135.6	7.7	122	153	10

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	166.9	8.4	153	176	8	0	135.5	10.5	108	156	40	0	138.0	9.7	117	168	112
300	167.6	8.8	153	176	7	260	132.7	9.6	119	141	4	260	144.7	10.6	131	168	14
						300	132.0	9.5	118	151	17	300	142.4	8.8	125	154	31
						340	134.1	10.4	108	146	11	340	133.8	8.6	117	153	57
						380	145.7	7.2	133	156	7	380	139.1	6.4	133	153	8

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	156.8	17.9	129	187	10	0	136.5	8.1	121	169	57	0	135.1	10.1	110	164	124
260	156.4	24.3	129	187	5	260	134.2	13.0	121	168	11	220	140.7	16.3	127	164	4
300	147.2	6.4	142	156	4	300	134.1	5.1	124	141	16	260	139.6	9.2	119	160	24
						340	135.9	5.2	123	144	19	300	135.5	11.4	110	163	43
						380	141.7	8.8	129	155	6	340	132.2	8.0	112	146	45
						420	143.6	3.8	140	147	4	380	132.1	7.6	122	140	8

Tabelle 8

THUNERSEE

BRUSTFLOSSENLAENGE / RUECKENFLOSSENLAENGE

KROPPER:

\*ALBOCK\*:

BRIENZLIG:

	KROPPER					*ALBOCK*					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	98.2	7.7	83	111	18	0	87.6	7.0	74	112	90	0	95.3	6.5	77	117	237
	260	96.8	8.7	84	109	6	260	87.1	9.0	77	112	15	220	94.3	8.3	87	108	6
WEIBCHEN	300	99.6	7.4	83	111	11	300	85.2	5.7	74	96	33	260	93.4	5.4	84	105	38
							340	87.5	6.8	76	105	30	340	93.5	6.2	79	107	74
							380	91.9	6.7	85	107	13	340	96.6	6.4	77	117	102
							420	90.0	4.3	85	94	5	380	100.4	7.2	85	111	16

	KROPPER					*ALBOCK*					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	101.9	5.2	96	111	8	0	87.7	6.7	74	105	40	0	96.8	5.9	85	111	112
	300	102.4	5.3	96	111	7	260	84.7	1.3	83	86	4	260	94.4	4.8	90	105	14
							300	85.2	6.1	74	96	17	300	95.9	5.1	87	107	31
							340	89.5	7.8	76	105	11	340	97.0	5.8	85	110	57
							380	91.9	5.7	85	100	7	380	104.5	5.0	95	111	8

	KROPPER					*ALBOCK*					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
WEIBCHEN	0	95.2	8.4	83	109	10	0	87.4	7.2	77	112	58	0	94.0	6.8	77	117	125
	260	96.6	9.7	84	109	5	260	87.9	10.5	77	112	11	220	95.5	10.3	87	108	4
	300	94.7	8.5	83	102	4	300	85.2	5.4	77	96	15	260	92.8	5.7	84	100	24
							340	86.3	6.0	77	100	19	300	91.9	6.4	79	105	43
							380	92.0	8.2	85	107	6	340	96.0	7.0	77	117	45
							420	89.0	4.2	85	94	4	380	96.4	6.9	85	104	8

Tabelle 9

THUNERSEE

RUECKENFLOSSENLAENGE / RUECKENFLOSSENBASIS

KROPPER:

"ALBOCK":

BRIENZLIG

MAENNCHEN + WEIBCHEN	H		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N			
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	153.2	10.4	132	170	18	0	147.5	12.8	108	171	98	0	145.0	13.6	114	190	239							
260	155.2	7.3	143	164	6	260	147.1	12.5	124	170	15	220	152.8	7.1	141	162	6							
300	153.4	11.7	132	170	11	300	147.9	13.5	108	171	33	260	154.9	12.1	133	190	40							
						340	144.6	14.4	110	168	30	340	149.5	12.4	125	174	74							
						380	152.2	8.1	137	162	13	340	138.6	11.8	114	172	102							
						420	153.4	9.9	138	162	7	420	138.1	11.4	118	159	16							

MAENNCHEN	H		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N			
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	156.6	9.5	138	170	8	0	145.1	15.0	108	171	40	0	144.6	12.5	114	173	112							
300	156.3	10.2	130	170	7	260	148.7	13.3	133	164	4	260	155.8	10.1	138	173	14							
						300	146.2	16.9	108	171	17	300	151.1	11.9	129	171	31							
						340	137.4	15.2	110	168	11	340	139.4	10.1	114	162	57							
						380	151.7	7.4	139	160	7	380	136.8	10.6	118	154	8							

WEIBCHEN	H		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N			
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	150.5	10.9	132	164	10	0	149.2	10.9	124	170	58	0	145.4	14.5	114	190	127							
260	154.4	7.9	143	164	5	260	146.9	12.8	124	170	11	220	156.0	5.0	150	162	4							
300	140.2	14.1	132	160	4	300	149.6	9.0	137	166	16	280	154.5	13.2	133	190	26							
						340	148.7	12.4	127	168	19	300	148.3	12.8	125	174	43							
						380	152.8	9.5	137	162	6	340	137.5	13.7	114	172	45							
						420	154.5	11.1	138	162	4	380	140.2	12.5	124	159	8							



THURERSEE

RUECKENFLOSSENBASIS / AFTERFLOSSENBASIS

KROPPER:

"ALBOCK":

BRIENZLIC:

	KROPPER:					"ALBOCK":					BRIENZLIC:							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	101.1	17.7	88	168	18	0	106.4	10.0	79	160	98	0	96.4	8.7	75	156	239
	260	97.2	6.8	89	107	6	260	102.5	5.6	90	112	15	220	97.0	7.7	98	105	6
	300	102.6	22.2	88	169	11	300	107.6	7.8	94	126	33	300	94.1	7.1	80	117	40
WEIBCHEN							340	107.8	14.0	79	160	30	300	96.6	10.5	82	156	74
							380	102.3	7.2	95	116	13	340	97.2	8.2	75	123	132
							420	106.8	8.8	98	110	5	380	96.2	7.6	84	109	16

MAENNCHEN

TL M ST MIN MAX N

TL M ST MIN MAX N

TL M ST MIN MAX N

	0	104.7	25.8	88	160	8	0	107.4	11.5	92	160	40	0	95.4	7.7	90	123	112
	300	105.4	27.0	88	168	7	260	103.0	2.0	100	104	4	260	96.1	7.7	97	117	14
							300	108.3	8.7	97	126	17	300	94.3	7.5	82	137	31
							340	111.8	17.5	92	160	11	340	96.2	7.8	80	123	57
							380	102.3	7.2	95	116	7	380	92.6	7.4	84	105	8

  

	0	98.2	7.3	88	108	10	0	105.6	6.8	79	126	58	0	97.2	9.5	75	156	127
	260	96.6	7.4	89	107	5	260	102.3	6.6	90	112	11	220	97.2	7.2	86	105	4
	300	97.7	7.1	88	103	4	300	106.8	7.0	94	118	16	300	93.1	6.7	80	107	26
							340	105.5	11.4	79	126	19	300	98.2	12.0	84	156	43
							380	102.3	7.9	95	116	6	340	98.4	8.5	75	119	45
							420	111.5	6.8	105	110	4	380	99.7	6.4	89	109	8

Tabelle 11

THURNERSEE

RELATIVE SCHWANZSTIELLAENGE

KROEPER:

"ALBOCK":

BRIENZLIG:

MAENNCHEN + WEIBCHEN	M		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N			
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	77.1	12.6	41	101	17	0	77.6	5.5	66	95	51	0	83.6	8.0	55	116	101							
260	79.2	21.1	41	101	6	260	78.7	6.5	66	85	7	220	81.0	4.4	77	89	5							
300	76.0	5.9	64	81	11	300	79.6	6.9	69	95	15	260	85.2	9.7	55	106	28							
						380	76.5	2.9	71	82	12	300	83.3	8.1	68	116	32							
						380	75.8	5.1	68	84	11	340	84.1	6.6	71	95	27							
						420	79.2	5.7	73	87	5	380	79.7	7.5	69	94	9							

MAENNCHEN	M		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N			
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	79.9	9.9	67	101	6	0	80.0	5.6	70	95	19	0	83.9	9.1	55	106	45							
300	76.9	5.4	67	81	7	260	83.3	2.9	80	85	3	260	86.1	13.0	55	106	10							
						300	82.7	7.0	77	95	6	300	82.5	7.4	68	94	13							
						380	77.3	5.1	70	84	7	380	85.5	7.3	71	95	16							
													380	79.4	9.7	69	94	5						

WEIBCHEN	M		ST		MIN		MAX		N		TL		M		ST		MIN		MAX		N			
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	74.7	15.1	41	93	9	0	76.6	5.1	66	87	32	0	83.4	7.2	73	116	56							
260	74.8	20.4	41	93	5	260	75.2	6.4	66	81	4	220	82.0	4.3	78	89	4							
300	74.5	7.2	64	80	4	300	77.6	6.3	69	87	9	260	84.7	7.6	73	97	18							
						380	76.2	3.0	71	82	10	300	83.9	8.7	77	116	19							
						380	73.2	4.5	68	77	4	380	82.2	5.0	76	93	11							
						420	79.7	5.4	73	87	4	380	80.0	5.0	74	86	4							

TRUNERSEE

RELATIVE SCHWANZSTIELHOEHE

"ALBOCK":

"ALBOCK":

KROPPER:

MAENNCHEN + WEIBCHEN	KROPPER:					"ALBOCK":					"ALBOCK":							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	65.9	10.9	49	86	7	31	0	69.0	2.9	62	76	31	0	64.2	3.2	58	74	47
260	67.5	15.1	49	86	4	5	260	67.6	3.4	62	70	5	260	64.5	2.9	59	71	17
300	63.7	.6	63	64	3	9	300	68.2	2.0	66	72	9	300	63.6	3.0	58	68	19
						9	340	69.1	3.5	65	76	9	340	64.2	3.4	61	69	8
						4	380	69.2	2.2	67	72	4						
						3	420	71.7	2.5	69	74	3						

MAENNCHEN

MAENNCHEN	KROPPER:					"ALBOCK":					"ALBOCK":							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	69.0	2.0	66	72	10	10	0	64.1	3.3	59	69	14	0	64.1	3.3	59	69	14
300	67.7	1.5	66	69	3	3	260	63.4	3.5	59	68	5	260	63.4	3.5	59	68	5
380	69.2	2.2	67	72	4	4	300	64.7	3.2	60	68	6	300	64.7	3.2	60	68	6
							340	64.0	4.4	61	69	3	340	64.0	4.4	61	69	3

WEIBCHEN

WEIBCHEN	KROPPER:					"ALBOCK":					"ALBOCK":							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	66.2	11.9	49	86	6	21	0	69.0	3.3	62	76	21	0	64.3	3.3	58	74	33
260	67.5	15.1	49	86	4	4	260	67.0	3.6	62	70	4	260	65.0	2.6	61	71	12
						6	300	68.5	2.3	66	72	6	300	63.1	2.9	58	68	13
						8	340	69.2	3.7	65	76	8	340	64.4	3.3	61	68	5

THURNESEE

SCHWANZSTIELHOEHE / SCHWANZSTIELLAENGE

BRIENZLIG:

\*ALBOCK\*:

KROPPER:

	KROPPER:					*ALBOCK*:					BRIENZLIG:							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	93.4	33.1	60	164	7	0	90.4	7.5	79	105	32	0	77.0	8.0	54	96	49
WEIBCHEN	260	98.8	45.4	60	164	4	260	88.2	10.6	80	106	5	260	77.8	7.2	68	90	17
	300	86.3	7.5	82	95	3	300	89.9	8.2	79	105	9	300	75.6	7.8	54	93	19
							340	90.8	6.7	79	100	9	340	78.2	5.4	69	96	8
							380	90.7	8.8	81	100	4						
							420	89.7	9.1	84	94	3						

MAENNCHEN

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	88.5	6.1	81	100	10	0	76.4	8.3	69	96	14						
	300	86.7	6	86	87	3	260	72.6	5.9	68	82	5						
	380	90.7	8.8	81	100	4	300	78.5	6.3	73	90	6						
							340	78.7	15.0	69	96	3						

WEIBCHEN

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	91.3	8.1	79	106	22	0	77.3	8.0	54	94	34						
	260	89.5	11.4	80	106	4	260	80.0	6.7	70	93	12						
	300	91.5	9.9	79	105	6	300	74.3	8.2	54	66	13						
	340	91.5	6.8	79	100	8	340	78.0	6.4	73	88	5						

Tabelle 14

THUNERSEE

RELATIVE KOPFLAENGE

KROPPER:

"ALBOCK":

BRIENZLIG:

MAENNCHEN + WEIBCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	M	TL	M	ST	MIN	MAX	N
0	167.4	13.1	156	201	17	0	156.9	4.4	144	166	51	0	156.4	5.8	142	176	101	
260	173.8	20.4	156	201	6	260	160.4	3.9	154	166	7	260	160.4	3.8	155	164	5	
300	163.8	5.0	159	174	11	300	156.6	4.3	150	163	15	260	159.0	6.9	142	176	28	
						340	156.7	4.1	149	163	12	300	157.0	4.6	150	167	32	
						380	154.8	4.6	144	159	11	340	154.3	4.4	147	162	27	
						420	156.6	3.1	154	162	5	380	150.1	3.8	144	156	9	

MAENNCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	M	TL	M	ST	MIN	MAX	N
0	164.4	5.4	159	174	8	0	155.7	4.7	144	163	19	0	155.4	5.7	144	176	45	
300	164.7	5.7	159	174	7	260	160.3	2.3	159	163	3	260	158.4	7.9	145	176	10	
						300	155.3	3.1	150	159	6	300	156.8	5.0	152	167	13	
						380	153.9	5.7	144	159	7	340	153.8	3.6	147	160	16	
												380	150.2	3.7	144	153	5	

WEIBCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	M	TL	M	ST	MIN	MAX	N
0	170.0	17.3	156	201	9	0	157.6	4.1	149	166	32	0	157.2	5.9	142	167	56	
260	176.2	21.9	156	201	5	260	160.5	5.2	154	166	4	220	161.0	4.1	155	164	4	
300	162.2	3.6	159	167	4	300	157.4	4.9	151	163	9	260	159.4	6.5	142	167	18	
						340	157.4	4.0	149	163	10	300	157.1	4.5	150	167	19	
						380	156.5	1.0	155	157	4	340	155.1	5.5	148	162	11	
						420	155.2	1.0	154	156	4	380	150.0	4.5	145	156	4	

THURERSEE

RELATIVE AUGENGRÖSSE

KRÖPFER:

"ALBOCK":

BRIENZLIG:

MAENNCHEN + WEIBCHEN	MAENNCHEN				WEIBCHEN				"ALBOCK"				BRIENZLIG			
	TL	M	ST	N	TL	M	ST	N	TL	M	ST	N	TL	M	ST	N
0	37.5	2.9	32	41	11	0	31.4	3.1	26	39	45	0	31.2	3.3	24	38
260	36.8	3.9	32	41	5	260	34.4	3.9	30	39	7	260	33.4	3.1	27	38
360	36.3	1.2	35	38	6	300	32.3	3.0	27	39	14	300	30.5	2.4	26	36
						340	30.5	1.9	28	34	11	340	29.1	2.4	24	34
						380	29.6	2.6	26	33	7					

MAENNCHEN

MAENNCHEN	MAENNCHEN				"ALBOCK"				BRIENZLIG			
	TL	M	ST	N	TL	M	ST	N	TL	M	ST	N
0	30.3	3.2	26	37	15	0	31.0	3.4	26	38	23	
260	33.3	3.5	30	37	3	260	33.1	3.8	27	38	7	
300	30.6	3.2	27	35	5	300	31.5	3.6	26	36	6	
380	28.6	2.3	26	32	5	340	29.2	2.2	27	34	10	

WEIBCHEN

WEIBCHEN	MAENNCHEN				"ALBOCK"				BRIENZLIG							
	TL	M	ST	N	TL	M	ST	N	TL	M	ST	N				
0	37.6	3.2	32	41	9	0	32.0	3.0	28	39	30	0	31.4	3.2	24	36
260	36.8	3.9	32	41	5	260	35.2	4.5	30	39	4	260	33.6	2.8	29	37
360	36.8	1.4	35	38	4	300	33.2	2.7	31	39	9	300	30.1	1.8	27	33
						340	30.4	2.0	28	34	10	340	28.8	2.8	24	31

Tabelle 16

THUNERSEE

AUGENDURCHMESSER / KOPFLAENGE

KROPPER:

"ALBOCK":

BRIENZLIG:

MAENNCHEN + WEIBCHEN	KROPPER					"ALBOCK"					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	223.3	18.6	196	263	11	0	198.4	18.4	169	250	46	0	199.1	21.8	160	256	60	
260	223.0	29.0	196	263	5	260	212.9	24.1	186	250	7	260	211.3	25.7	167	256	20	
300	223.5	4.8	217	229	6	300	205.5	16.8	178	244	14	300	193.8	14.9	170	227	20	
						340	193.8	12.7	174	214	11	340	188.1	16.0	160	229	16	
						380	191.0	14.1	172	207	7							
						420	189.0	13.0	169	203	5							

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	193.1	17.4	169	225	15	0	199.0	24.3	167	250	23	0	199.0	24.3	167	250	23
260	205.3	19.5	186	225	3	260	213.7	30.2	167	250	7	260	213.7	30.2	167	250	7
300	195.6	4.4	178	222	5	300	197.7	21.6	174	227	6	300	197.7	21.6	174	227	6
380	186.6	14.2	172	203	5	340	189.6	17.6	170	229	10	340	189.6	17.6	170	229	10

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	222.6	20.7	196	263	9	0	201.0	18.6	169	250	31	0	199.2	20.5	160	256	37
260	223.0	29.0	196	263	5	260	218.5	28.5	186	250	4	260	210.1	24.2	174	256	13
300	222.0	5.1	217	229	4	300	211.0	13.9	196	244	9	300	192.1	11.6	170	203	14
						340	193.2	13.2	179	214	10	340	189.5	14.1	160	203	6
						420	194.0	7.7	185	203	4						

TRUNERSEE

RELATIVER UMFANG

KROPPER:

"ALBOCK":

BRIENZLIG:

MAENCHEN + WEIBCHEN	TL			M			ST			MIN			MAX			N		
	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N
0	556.1	77.3	17	0	577.4	50.1	4.98	705	50	0	551.7	36.9	440	680	98			
260	592.0	126.5	6	260	534.9	15.2	512	554	7	220	508.8	43.0	440	546	5			
300	536.5	15.2	11	300	583.9	40.4	498	629	15	260	556.1	36.2	495	630	28			
				340	608.5	33.9	532	675	12	300	550.1	32.8	451	617	31			
				380	578.7	26.3	548	648	10	340	555.0	40.7	469	680	27			
				420	634.4	38.9	509	684	5	380	558.1	26.3	535	615	8			

MAENCHEN	TL			M			ST			MIN			MAX			N		
	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N
0	536.4	22.5	8	0	588.4	32.0	512	622	18	0	540.1	31.9	440	609	44			
300	539.3	22.6	7	260	537.7	22.5	512	554	3	260	546.1	36.7	495	609	10			
				300	532.2	9.5	522	548	6	300	538.7	35.3	451	596	12			
				380	573.5	24.3	548	609	6	340	542.5	21.5	500	573	16			
										380	544.0	11.0	535	562	5			

WEIBCHEN	TL			M			ST			MIN			MAX			N		
	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N
0	573.6	103.9	9	0	588.0	55.4	498	795	32	0	560.9	35.2	469	680	55			
260	607.2	135.2	5	260	532.7	10.5	524	548	4	220	526.0	22.1	504	546	4			
300	531.5	12.4	4	300	551.7	51.2	498	629	9	260	561.7	35.7	515	630	18			
				340	608.6	36.8	532	675	10	300	557.2	29.9	511	617	19			
				380	588.5	30.8	549	648	4	340	573.1	54.8	469	680	11			
				420	645.7	34.0	611	684	4	380	581.7	29.1	561	615	3			



THURERSEE

TOTALLAENGE / GEWICHT

KROPPER:

"ALBOCK":

BRIENZLIG:

KATEGORIE	KROPPER				"ALBOCK"				BRIENZLIG			
	TL	M	ST	N	TL	M	ST	N	TL	M	ST	N
MAENNCHEN	0	130.1	26.6	10	0	105.0	34.7	98	0	109.7	38.1	239
	260	139.3	36.0	6	260	152.2	16.1	15	220	259.3	52.6	6
	300	131.3	14.6	11	300	122.8	24.1	34	260	142.2	29.6	40
WEIBCHEN	380	88.4	11.8	30	380	68.4	5.4	13	300	117.6	18.1	74
						60.2	5.9	80	340	89.2	14.1	132
					380				380	67.5	8.2	85

KATEGORIE	KROPPER				"ALBOCK"				BRIENZLIG			
	TL	M	ST	N	TL	M	ST	N	TL	M	ST	N
MAENNCHEN	0	130.5	15.4	8	0	105.4	31.5	40	0	109.5	36.0	113
	260	127.4	13.7	7	260	156.3	30.3	4	260	152.4	17.4	14
	300				300	120.5	20.2	17	300	120.8	21.2	31
					340	90.5	14.1	11	340	92.2	10.9	58
					380	69.4	6.7	7	380	73.6	6.2	8

KATEGORIE	KROPPER				"ALBOCK"				BRIENZLIG			
	TL	M	ST	N	TL	M	ST	N	TL	M	ST	N
WEIBCHEN	0	129.7	36.9	10	0	104.7	37.0	58	0	109.8	40.1	126
	260	136.8	39.7	5	260	150.7	8.9	11	220	249.2	40.6	4
	300	138.0	15.5	4	300	125.1	21.8	17	260	136.7	31.4	26
					340	87.3	12.3	19	300	115.2	15.3	43
					380	66.7	3.3	6	340	85.4	16.8	45
					380				380	61.4	4.3	8

THUNERSEE

GEWICHT

KROPPER:

WALBOCK\*:

BRIENZLIG:

MAENNCHEN

WEIBCHEN

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	243.4	105.9	125	631	18	0	367.4	191.9	124	1150	98	0	316.6	115.3	63	740	236	
260	206.2	61.6	125	313	6	260	173.6	21.8	124	215	15	220	87.3	22.1	63	115	6	
300	225.4	32.8	190	276	12	300	252.5	55.5	138	335	34	260	187.8	26.5	136	252	39	
						340	386.6	64.9	300	532	32	300	256.8	42.2	145	372	79	
						380	552.1	46.7	467	649	14	340	381.0	51.2	244	524	103	
						420	846.6	140.2	673	1037	5	380	547.6	83.1	423	740	19	

MAENNCHEN

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	229.5	32.3	182	276	8	0	344.1	140.7	124	673	40	0	320.0	103.2	63	558	112	
300	236.3	28.0	193	276	7	260	177.0	39.5	124	215	4	260	170.4	23.6	136	224	14	
						300	256.1	50.6	186	328	17	300	250.3	47.3	145	348	33	
						340	378.5	61.0	300	691	11	340	372.3	47.6	244	464	59	
						380	552.3	59.4	467	649	7	380	490.9	49.2	423	558	10	

WEIBCHEN

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	254.5	141.6	125	631	10	0	383.5	220.2	138	1150	58	0	313.5	125.6	65	740	124	
260	211.0	67.6	125	313	5	260	180.5	13.9	150	208	11	220	92.5	24.0	65	115	4	
300	210.2	35.9	190	274	5	300	248.8	61.4	138	335	17	260	193.0	27.1	143	252	25	
						340	390.9	67.9	320	532	21	300	261.4	43.7	181	372	46	
						380	552.0	34.6	504	613	7	340	392.6	54.1	298	524	44	
						420	890.0	116.9	758	1037	4	380	610.7	65.7	513	740	9	

THURERSEE

KIEMENREISENDORNEN / SEITENLINIENSCHUPPEN

KROPPER:

"ALBOCK":

BRIENZLIG:

KROPPER	KROPPER					"ALBOCK"					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	276.7	40.6	230	368	18	0	359.2	32.5	292	455	98	0	445.9	47.2	299	558	239
+	260	292.7	56.3	230	368	6	260	351.6	34.1	292	424	15	220	502.3	19.6	477	531	6
WEIBCHEN	300	284.2	27.3	240	321	11	300	365.3	41.7	298	455	33	260	486.0	41.8	409	558	40
							340	355.0	26.1	306	425	30	300	459.3	42.3	326	548	74
							380	354.5	21.0	326	405	13	340	420.5	37.1	299	494	102
							420	355.0	23.2	337	395	5	380	419.7	26.8	368	459	16

KROPPER	KROPPER					"ALBOCK"					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	256.4	21.9	241	307	8	0	365.5	40.0	306	455	40	0	439.0	50.1	299	558	112
	300	257.7	23.3	241	307	7	260	356.0	49.5	306	424	4	260	492.3	44.0	409	558	14
							300	373.9	49.7	311	455	17	300	459.2	47.7	326	548	31
							340	366.9	28.6	330	425	11	340	414.4	39.4	299	494	57
							380	344.3	17.2	326	369	7	380	426.4	18.1	394	449	8

KROPPER	KROPPER					"ALBOCK"					BRIENZLIG							
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
WEIBCHEN	0	293.0	45.9	230	368	10	0	354.6	25.6	292	405	58	0	451.9	43.7	360	550	127
	260	301.6	57.7	230	368	5	260	356.8	29.9	292	388	11	220	502.0	24.2	477	531	4
	300	275.5	33.6	240	321	4	300	356.2	30.0	298	393	16	260	482.6	41.1	419	550	26
							340	348.2	22.5	306	383	19	300	459.4	38.5	388	541	43
							380	366.5	19.7	352	405	6	340	428.1	32.8	360	473	45
							420	345.0	7.0	337	354	4	380	413.0	33.3	368	459	8

TRUNERSEE

N - FAKTOR ( NACH DOTRENS & QUARTIER, 1949 )

KROPPER:

\*ALBOCK\*:

BRIENZLIG:

MAENNCHEN + WEIBCHEN	TL			M			ST			MIN			MAX			N			
	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	
0	14.6	10.7	18	0	-6.7	8.3	0	-29.1	11.3	98	11	-32	11	-32	11	0	-29.1	11.3	240
260	10.7	14.7	6	260	-5.9	8.7	260	-42.7	3.9	15	11	-23	11	-23	11	260	-42.7	3.9	6
300	17.6	7.5	11	300	-8.5	10.7	300	-38.0	9.5	33	9	-32	9	-32	9	300	-38.0	9.5	40
				340	-5.4	6.6	340	-32.3	10.1	30	7	-22	7	-22	7	340	-32.3	10.1	74
				380	-5.4	5.3	380	-23.2	9.4	13	2	-18	2	-18	2	380	-23.2	9.4	103
																			16

MAENNCHEN	TL			M			ST			MIN			MAX			N			
	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	
0	19.5	5.8	8	0	-8.2	10.3	0	-27.5	12.2	40	7	-32	7	-32	7	0	-27.5	12.2	113
300	19.1	6.2	7	260	-5.8	12.6	260	-39.7	10.1	4	7	-23	7	-23	7	260	-39.7	10.1	14
				300	-10.5	13.0	300	-32.4	11.8	17	6	-32	6	-32	6	300	-32.4	11.8	31
				340	-8.4	7.2	340	-21.7	10.0	11	1	-22	1	-22	1	340	-21.7	10.0	58
				380	-2.7	4.4	380	-25.5	4.2	7	2	-9	2	-9	2	380	-25.5	4.2	8

WEIBCHEN	TL			M			ST			MIN			MAX			N			
	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	TL	M	N	
0	10.6	12.3	10	0	-5.6	6.5	0	-30.5	10.2	58	11	-18	11	-18	11	0	-30.5	10.2	127
260	8.4	15.2	5	260	-5.9	7.7	260	-42.5	4.9	11	11	-14	11	-14	11	260	-42.5	4.9	4
300	15.0	9.8	4	300	-6.4	7.5	300	-37.1	9.2	16	9	-15	9	-15	9	300	-37.1	9.2	26
				340	-3.7	5.7	340	-32.2	8.9	19	7	-12	7	-12	7	340	-32.2	8.9	43
				360	-8.5	4.9	360	-25.2	8.4	6	-5	-18	-5	-18	-5	360	-25.2	8.4	45
																			8

BIELERSEE

ANZAHL KIEMENREUSENDORNEN

BONDELLE:

PALEE:

MAENNCHEN		M		ST		MIN		MAX		N	
TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	29.6	2.7	22	35	56	0	34.1	1.9	30	40	304
260	28.9	1.7	27	31	7	260	33.5	1.7	30	39	61
300	30.3	2.6	22	35	40	300	34.3	1.9	30	40	231
340	27.2	1.7	25	29	4	340	35.6	2.7	32	39	5
380	25.5	1.9	24	28	4						

WEIBCHEN

MAENNCHEN		M		ST		MIN		MAX		N	
TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	30.5	2.4	24	35	39	0	34.2	1.9	30	40	155
260	29.2	1.6	27	31	6	260	33.6	1.8	30	39	47
300	31.1	2.1	26	35	31	300	34.4	1.8	30	40	107

MAENNCHEN

WEIBCHEN		M		ST		MIN		MAX		N	
TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	27.5	2.2	22	30	17	0	34.1	1.9	30	39	149
300	27.8	2.4	22	30	9	260	33.2	1.2	31	35	14
340	27.3	2.1	25	29	3	300	34.1	1.9	30	39	124
380	26.0	2.0	24	28	3	340	35.6	2.7	32	39	5

WEIBCHEN

BIELERSEE

ANZAHL SEITENLINIENSCHUPPEN

BONDELLE:

PALEE:

MAENNCHEN +	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
WEIBCHEN	0	87.6	3.7	78	98	56	0	86.2	4.0	77	98	304
	260	86.9	3.3	81	91	7	260	85.8	4.1	77	95	61
	300	87.6	4.0	78	98	40	300	86.3	3.9	77	98	231
	340	88.8	1.7	87	91	4	340	88.8	4.7	81	92	5
	380	88.8	3.3	85	93	4						

MAENNCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	87.7	3.7	81	98	39	0	85.9	3.8	77	96	155
	260	86.2	3.0	81	89	6	260	85.8	4.1	77	93	47
	300	87.8	3.8	82	98	31	300	85.9	3.7	77	96	107

WEIBCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	87.3	3.8	78	92	17	0	86.6	4.1	77	98	149
	300	86.8	4.6	78	92	9	260	85.6	4.3	77	95	14
	340	89.0	2.0	87	91	3	300	86.7	4.1	78	98	124
	380	87.3	2.1	85	89	3	340	88.8	4.7	81	92	5

BIELERSEE

RELATIVE AFTERFLOSSENBASIS

PALEE:

BONDELLE:

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	97.3	8.1	67	117	55	0	100.3	10.0	41	197	301
+												
WEIBCHEN	260	100.7	8.5	92	117	7	260	102.0	10.5	86	148	61
	300	97.3	7.6	67	109	40	300	99.7	6.5	82	122	231
	340	99.0	12.8	86	114	4	340	102.8	6.9	96	112	5
	380	89.0	3.0	86	92	3						

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	98.4	6.7	86	117	39	0	102.4	11.2	88	197	155
	260	102.2	8.3	96	117	6	260	103.0	11.3	88	148	47
	300	98.5	5.7	89	109	31	300	101.3	6.4	88	122	107

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
WEIBCHEN	0	94.4	10.5	67	114	16	0	98.0	7.9	41	118	146
	300	93.1	11.6	67	109	9	260	98.8	7.0	86	115	14
	340	103.3	11.6	91	114	3	300	98.3	6.3	82	118	124
							340	102.8	6.9	96	112	5

BIELERSEE

RELATIVE RUECKENFLOSSENBASIS

PALEE:

BONDELLE:

MAENNCHEN  
+  
WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	97.4	7.1	87	114	56	0	94.8	8.0	79	184	301
260	96.6	8.2	89	113	7	260	94.5	6.7	80	114	61
300	95.4	5.8	87	109	40	300	94.6	5.9	79	133	231
340	108.2	4.5	103	114	4	340	93.6	6.3	83	99	5
380	105.5	1.7	104	108	4						

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	95.0	6.3	87	113	39	0	95.7	9.2	79	184	155
260	96.2	8.9	89	113	6	260	95.0	6.6	80	114	47
300	93.9	5.0	87	106	31	300	95.1	5.4	79	109	107

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	103.1	5.6	94	114	17	0	94.0	6.3	82	133	146
300	100.7	5.7	94	109	9	260	92.7	7.1	82	108	14
340	108.3	5.5	103	114	3	300	94.2	6.2	82	133	124
380	104.7	.6	104	105	3	340	93.6	6.3	83	99	5

Table 26



BIELERSEE

RELATIVE RUECKENFLOSSENLAENGE

PALEE:

BONDELLE:

MAENNCHEN  
+  
WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	144.1	8.4	122	170	56	0	145.1	13.1	87	299	300
260	142.1	11.7	122	161	7	260	144.5	12.4	87	168	61
300	143.6	7.3	126	158	40	300	144.7	8.8	95	172	230
340	146.2	6.0	141	154	4	340	139.0	2.1	137	142	5
380	143.8	7.0	137	152	4						

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	144.5	8.1	122	161	39	0	146.8	16.0	87	299	154
260	142.0	12.8	122	161	6	260	145.4	12.8	87	168	47
300	144.9	7.1	126	158	31	300	146.0	8.8	126	172	106

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	143.4	9.2	130	170	17	0	143.2	8.9	95	162	146
300	139.4	6.9	130	151	9	260	141.6	11.1	112	155	14
340	143.7	3.8	141	148	3	300	143.6	8.7	95	161	124
380	146.0	6.6	139	152	3	340	139.0	2.1	137	142	5

Tablelle 27

BIELERSEE

RELATIVE BRUSTFLOSSENLAENGE

PALEE:

BONDELLE:

MAENNCHEN  
+  
WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	138.0	9.2	117	157	56	0	138.9	11.2	111	259	300
260	128.6	9.7	117	143	7	260	138.6	8.3	113	162	61
300	140.5	8.6	120	157	40	300	138.7	8.8	111	181	230
340	132.2	5.6	126	139	4	340	129.8	8.0	123	143	5
380	135.0	5.2	129	141	4						

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	140.2	9.1	118	157	39	0	141.5	12.2	125	259	155
260	130.5	9.1	118	143	6	260	139.9	7.3	125	162	47
300	142.2	8.2	125	157	31	300	141.1	7.8	125	170	107

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	132.9	7.4	117	141	17	0	136.0	9.2	111	181	145
300	134.4	7.3	120	141	9	260	134.3	10.4	113	162	14
340	130.0	4.0	126	134	3	300	136.5	9.0	111	181	123
380	134.3	6.1	129	141	3	340	129.8	8.0	123	143	5

Tabelle 28

BIELERSEE

BRUSTFLOSSENLAENGE / RUECKENFLOSSENLAENGE

PALEE:

MAENNCHEN  
+  
WEIBCHEN

TL	M	ST	MIN	MAX	N
0	95.9	6.3	82	112	56
260	90.7	7.2	82	100	7
300	97.9	5.2	89	112	40
340	90.0	.8	89	91	4
380	93.8	5.6	87	100	4

BONDELLE:

TL	M	ST	MIN	MAX	N
0	96.1	8.4	74	188	302
260	97.0	13.4	74	188	61
300	96.0	6.5	78	143	229
340	93.8	7.0	88	105	5

MAENNCHEN

TL	M	ST	MIN	MAX	N
0	97.2	5.6	84	112	39
260	92.2	6.6	84	100	6
300	98.3	5.0	89	112	31

TL	M	ST	MIN	MAX	N
0	97.0	9.3	80	188	154
260	97.4	14.4	85	188	47
300	96.9	5.8	80	116	106

WEIBCHEN

TL	M	ST	MIN	MAX	N
0	92.8	6.7	82	108	17
300	96.4	6.0	90	108	9
340	90.0	1.0	89	91	3
380	91.7	4.5	87	96	3

TL	M	ST	MIN	MAX	N
0	95.2	7.3	74	143	148
260	95.5	9.9	74	113	14
300	95.2	7.0	78	143	123
340	93.8	7.0	88	105	5

Tabelle 29

BIELERSEE

RUECKENFLOSSENLAENGE / RUECKENFLOSSENBASIS

PALEE:

BONDELLE:

MAENNCHEN  
+  
WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	148.7	13.0	118	170	56	0	153.6	12.3	96	196	303
260	147.7	11.8	127	163	7	260	153.5	15.0	96	196	61
300	151.2	12.8	118	170	40	300	153.5	11.6	105	185	230
340	135.5	9.7	124	144	4	340	149.6	12.7	138	171	5
380	136.2	8.2	127	145	4						

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	152.7	11.9	118	170	39	0	154.0	12.7	96	196	154
260	148.3	12.8	127	163	6	260	153.7	15.9	96	196	47
300	154.7	10.8	118	170	31	300	154.0	11.1	128	179	106

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	139.4	10.8	119	158	17	0	153.3	12.0	105	185	149
300	139.0	11.7	119	154	9	260	152.9	11.7	131	171	14
340	133.0	10.1	124	144	3	300	153.0	12.0	105	185	124
380	139.3	6.7	132	145	3	340	149.6	12.7	138	171	5

Tabelle 30

BIELERSEE

RUECKENFLOSSENBASIS / AFTERFLOSSENBASIS

PALEE:

BONDELLE:

MAENNCHEN  
+  
WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	100.8	11.4	84	140	55	0	95.2	11.6	64	250	304
260	96.1	6.8	86	108	7	260	93.3	8.9	64	113	61
300	98.8	10.5	84	140	40	300	95.2	7.0	79	121	231
340	110.2	11.3	100	125	4	340	91.4	7.8	80	100	5
380	119.3	5.5	114	125	3						

1 58 1

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	97.0	9.4	84	125	39	0	93.8	7.5	64	113	155
260	94.2	4.8	86	100	6	260	93.0	9.5	64	113	47
300	95.7	7.3	84	114	31	300	94.2	6.5	79	111	107

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	110.1	10.8	97	140	16	0	96.7	14.6	80	250	149
300	109.3	13.2	97	140	9	260	94.1	6.7	83	104	14
340	105.3	6.8	100	113	3	300	96.1	7.3	81	121	124
						340	91.4	7.6	80	100	5

Tabelle 31

BIELERSEE

RELATIVE SCHWANZSTIELLAENGE

BONDELLE:

PALEE:

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	83.0	7.7	64	98	33	0	82.6	6.3	67	96	123
+	300	82.9	8.1	64	98	27	260	82.9	7.2	71	92	11
WEIBCHEN	380	84.7	9.1	78	95	3	300	82.6	6.3	67	96	108

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	81.5	7.6	64	98	25	0	83.6	6.0	69	95	53
	300	81.7	7.9	64	98	23	260	82.6	7.5	71	92	10
							300	83.8	5.6	69	95	43

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
WEIBCHEN	0	87.7	6.5	78	96	8	0	81.8	6.6	67	96	70
	300	89.7	6.3	81	96	4	300	81.7	6.7	67	96	65

BIELERSEE

RELATIVE SCHWANZSTIELHOEHE

PALEE:

BONDELLE:

MAENNCHEN  
+  
WEIBCHEN

TL	H	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	65.7	2.9	61	72	18	0	66.3	4.0	59	85	53
300	64.8	2.1	61	69	13	260	66.0	3.4	61	69	5
380	67.3	3.8	63	70	3	300	66.4	4.1	60	85	45

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	65.5	2.5	61	70	12	0	66.0	4.8	60	85	28
300	65.1	2.2	61	69	11	260	66.0	3.4	61	69	5
						300	66.0	5.1	60	85	23

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	66.2	3.7	63	72	6	0	66.6	2.9	59	72	25
						300	66.9	2.5	63	72	22

Tabelle 33

BIELERSEE

SCHWANZSTIELHOEHE / SCHWANZSTIELLAENGE

BONDELLE:

PALEE:

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	79.7	9.3	67	100	17	0	80.2	8.3	67	105	56
WEIBCHEN	300	80.0	9.7	67	100	13	260	82.0	9.0	72	95	5
							300	80.3	8.5	69	105	45

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN	0	81.7	9.7	67	100	12	0	80.0	8.4	69	100	26
WEIBCHEN	300	81.2	10.0	67	100	11	260	82.0	9.0	72	95	5
							300	79.5	8.4	69	100	23

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
WEIBCHEN	0	75.0	6.7	67	84	5	0	80.4	8.3	67	105	28
							300	81.0	8.8	69	105	22



BIELERSEE

RELATIVE KOPFLAENGE

PALEE:

BONDELLE:

MAENNCHEN +	PALEE:						BONDELLE:					
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	167.8	5.3	157	179	34	0	171.9	5.5	157	189	123
	300	168.6	5.0	160	179	27	260	177.3	5.0	172	188	11
WEIBCHEN	380	164.0	5.0	158	170	4	300	171.5	5.3	157	189	108

MAENNCHEN	PALEE:						BONDELLE:					
	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	169.4	4.5	162	179	25	0	173.1	5.2	158	188	53
	300	169.3	4.7	162	179	23	260	177.5	5.3	172	188	10
WEIBCHEN	380	162.0	3.6	158	165	3	300	172.0	4.7	158	182	43

BIELERSEE

RELATIVE AUGENGROESSE

PALEE:

BONDELLE:

MAENNCHEN + WEIBCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	34.3	2.8	29	41	26	0	35.9	2.3	31	41	75
	300	34.5	2.2	31	40	20	260	38.2	1.5	36	40	6
	380	31.0	1.7	29	32	3	300	35.6	2.1	31	41	66

MAENNCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	34.6	2.8	31	41	18	0	36.1	2.2	32	40	37
	300	34.4	2.3	31	40	16	260	38.2	1.5	36	40	6
							300	35.7	2.1	32	39	31

WEIBCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	33.6	2.9	29	38	8	0	35.7	2.4	31	41	38
	300	35.2	1.9	34	38	4	300	35.5	2.1	31	41	35

Tabelle 36

BIELERSEE

AUCENDURCHMESSER / KOPFLAENGE

PALEE:

MAENNCHEN  
+  
WEIBCHEN

BONDELLE:

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	205.2	15.1	183	239	26	0	209.4	12.6	182	240	78
300	205.9	13.8	185	239	20	260	214.2	9.3	204	229	6
380	189.0	5.6	183	194	3	300	208.1	12.3	182	240	66

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	204.7	14.5	185	239	18	0	208.9	11.5	189	229	37
300	203.5	11.9	185	226	16	260	214.2	9.3	204	229	6
						300	207.8	11.7	189	229	31

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	206.4	17.4	183	239	8	0	209.8	13.6	182	240	41
300	215.7	18.3	196	239	4	300	208.4	12.9	182	240	35

BIELERSEE

RELATIVER UMFANG

PALEE:

BONDELLE:

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN												
+												
WEIBCHEN	0	526.8	20.8	484	573	34	0	536.0	29.7	469	594	121
	300	528.1	20.6	484	573	27	260	538.8	25.2	502	593	11
	380	517.2	22.7	499	547	4	300	536.8	29.5	473	594	106

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
MAENNCHEN												
	0	528.2	17.6	497	565	25	0	526.3	23.6	485	593	53
	300	527.3	17.7	497	565	23	260	538.4	26.5	502	593	10
							300	523.4	22.3	485	582	43

	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
WEIBCHEN												
	0	523.1	28.8	484	573	9	0	543.6	31.8	469	594	68
	300	532.5	37.0	484	573	4	300	545.9	30.5	473	594	63
	380	515.3	27.4	499	547	3						

Tabelle 38

BIELERSEE

TOTALLAENGE / GEWICHT

PALEE:

BONDELLE:

MAENNCHEN +	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	130.9	26.2	79	235	56	0	143.7	30.6	63	442	304
	260	163.0	15.2	135	175	7	260	167.2	20.1	133	241	61
	300	129.2	14.7	86	165	40	300	135.8	15.6	98	176	231
	340	107.5	7.4	101	118	4	340	113.8	11.1	104	128	5
	380	88.5	6.8	79	95	4						

WEIBCHEN

MAENNCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	132.4	20.9	86	175	39	0	148.8	19.4	63	196	155
	260	163.8	16.4	135	175	6	260	165.2	16.9	133	196	47
	300	128.1	14.9	86	165	31	300	142.4	13.9	107	176	107

WEIBCHEN

WEIBCHEN	TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
	0	127.5	36.0	79	235	17	0	138.3	38.5	98	442	146
	300	133.1	13.9	110	162	9	260	174.1	28.2	137	241	14
	340	104.0	3.0	101	107	3	300	130.1	14.6	98	172	124
	380	88.3	8.3	79	95	3	340	113.8	11.1	104	128	5

BIELERSEE

GEWICHT

BONDELLE:

PALEE:

MAENNCHEN

+

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	244.7	69.5	95	473	56	0	208.9	42.8	40	340	304
260	170.0	15.0	160	200	7	260	165.7	21.6	104	209	61
300	236.8	35.1	170	360	40	300	220.9	31.4	160	327	231
340	313.5	30.4	275	349	4	340	290.4	27.1	263	323	5
380	422.2	38.0	381	473	4						

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	234.7	52.0	160	419	39	0	195.8	30.1	135	288	155
260	169.5	16.4	160	200	6	260	167.5	19.5	135	209	47
300	240.1	36.3	170	360	31	300	207.8	25.3	160	288	107

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	267.6	96.8	95	473	17	0	222.6	49.3	40	340	149
300	225.8	29.8	175	284	9	260	159.4	27.5	104	203	14
340	326.3	19.9	312	349	3	300	232.2	31.8	165	327	124
380	423.3	46.4	381	473	3	340	290.4	27.1	263	323	5

BIELERSEE

KIEMENREUSENDORNEN / SEITENLINIENSCHUPPEN

PALEE:

BONDELLE:

MAENNCHEN  
+

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	338.5	36.1	247	402	55	0	396.7	26.9	333	476	304
260	333.1	30.0	297	383	7	260	391.6	26.8	333	468	61
300	347.0	33.8	247	402	40	300	397.7	26.5	337	476	231
340	307.2	21.2	281	333	4	340	402.0	40.0	352	457	5
380	288.0	28.6	258	318	4						

WEIBCHEN

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	348.4	33.1	258	402	39	0	398.5	25.5	333	476	155
260	339.2	27.8	303	383	6	260	392.4	27.9	333	468	47
300	354.5	29.5	278	402	31	300	401.1	24.1	359	476	107

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	315.6	32.9	247	385	17	0	394.8	28.3	337	468	149
300	321.3	36.8	247	385	9	260	388.8	23.6	358	442	14
340	307.3	26.0	281	333	3	300	394.7	28.2	337	468	124
380	298.0	25.0	270	318	3	340	402.0	40.0	352	457	5

Tabelle 41

BIELERSEE

N - FAKTOR (DOTTRENS & QUARTIER, 1949)

PALEE:

BONDELLE:

MAENNCHEN  
+  
WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	-1.4	9.8	-18	23	52	0	-16.2	6.5	-36	-1	302
260	.3	7.7	-12	10	7	260	-15.0	6.2	-32	-3	60
300	-3.6	9.1	-18	23	38	300	-16.5	6.4	-36	-1	230
340	9.3	4.0	7	14	3	340	-18.0	9.8	-30	-5	5
380	14.0	8.9	4	21	3						

MAENNCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	-3.9	8.9	-18	21	38	0	-16.7	6.1	-36	-3	153
260	-1.3	7.0	-12	8	6	260	-15.3	6.5	-32	-3	46
300	-5.6	7.9	-18	16	30	300	-17.3	5.8	-36	-7	106

WEIBCHEN

TL	M	ST	MIN	MAX	N	TL	M	ST	MIN	MAX	N
0	5.4	9.2	-12	23	14	0	-15.7	6.9	-32	-1	149
300	3.9	10.0	-12	23	8	260	-14.0	5.4	-25	-7	14
						300	-15.7	6.9	-32	-1	124
						340	-18.0	9.8	-30	-5	5

Tabelle 42