

2018 LHR Data and EPD Update

Lot	Wt	365 wt	ratio	365 SC	Act SC	%IMF	ratio	URE	ratio	CED	BW	WW	YW	Milk	CW	MS	RE	\$W	\$F	\$G	\$B	
1	1,350	1,340	100	39.80	39	4.91	113	12.8	109	5	3.0	59	108	34	51	1.44	0.61	63.67	68.41	56.64	168.56	
2	1,200	1,155	94	36.74	36	4.05	102	11.7	90	1	3.1	59	111	31	49	0.92	0.74	52.69	66.15	48.05	149.71	
3	1,340	1,345	110	35.04	34	4.56	115	12.9	99	7	1.1	68	131	30	56	0.91	0.55	70.00	104.46	45.63	171.26	
4	1,140	1,166	95	38.08	38	2.80	70	14.1	108	2	3.0	71	119	23	65	0.38	1.19	67.06	104.35	33.86	191.42	
5	OUT																					
6	1,190	1,149	100	37.42	37	4.09	94	11.9	102	13	-0.4	54	103	30	37	0.70	0.10	61.88	52.10	29.71	105.08	
7	1,260	1,216	100	35.32	35	4.02	92	11.6	99	8	1.2	69	119	35	53	0.50	0.39	82.58	77.34	22.71	135.50	
8	1,200	1,160	100	37.42	37	2.74	63	12.7	109	7	0.9	66	119	33	53	0.27	0.59	78.89	81.47	21.46	136.69	
9	1,175	1,146	100	33.35	33	4.12	95	10.9	93	3	2.8	74	130	34	64	0.57	0.30	79.95	83.72	22.96	143.39	
10	1,150	1,084	100	36.22	36	3.71	85	11.1	95	6	1.0	61	96	27	40	0.29	0.27	69.24	35.05	18.12	96.63	
11	1,150	1,077	100	34.42	34	3.48	80	11.2	96	5	1.3	65	114	31	40	0.70	0.20	75.76	74.43	30.79	124.13	
12	1,155	1,086	100	31.35	31	5.42	125	10.6	91	6	0.8	56	101	23	49	0.83	0.37	55.96	72.71	33.70	155.50	
13	1,300	1,251	100	35.48	35	2.99	69	13.7	117	8	0.3	69	124	23	64	0.78	0.98	70.11	100.72	43.08	187.05	
14	1,230	1,203	100	35.64	35	3.84	88	12.4	106	4	3.1	73	134	23	65	0.55	0.90	64.25	99.97	36.39	167.58	
15	1,210	1,226	99	34.23	33	3.70	93	14.3	110	3	3.7	57	106	19	44	0.55	0.84	45.42	68.89	38.95	141.42	
16	1,420	1,425	114	35.09	34	3.23	80	15.1	114	7	1.5	89	148	28	60	0.66	0.89	91.46	115.28	40.30	168.22	
17	1,265	1,310	104	32.07	31	3.92	87	12.1	97	7	0.9	70	126	18	69	0.43	0.94	64.07	94.69	34.36	175.61	
18	1,120	1,101	93	34.51	34	3.19	73	11.3	93	6	0.4	46	93	13	32	0.31	0.47	35.65	49.90	25.97	99.10	
19	1,220	1,230	100	36.23	35	4.58	115	13.5	104	2	3.2	80	144	15	67	1.09	0.95	65.01	117.22	52.75	191.58	
20	1,215	1,199	96	33.86	33	5.07	113	12.8	102	11	1.1	60	118	29	44	0.85	0.62	61.36	81.87	44.38	143.49	
21	1,240	1,194	100	37.80	37	3.70	85	13.4	115	0	4.3	75	140	21	62	1.01	0.89	56.70	120.74	54.53	194.23	
22	1,265	1,259	100	34.90	34	4.66	107	11.9	102	8	1.7	52	103	27	44	0.78	0.48	52.37	64.80	43.75	143.68	
23	1,330	1,356	110	37.07	36	4.96	125	12.2	94	-2	4.2	72	131	26	53	0.73	0.31	58.97	96.96	38.71	154.91	
24	1,275	1,277	102	36.80	36	3.65	91	13.3	100	-1	2.5	62	112	31	45	0.69	0.49	70.40	73.92	41.25	144.16	
25	1,095	1,164	93	36.73	35	4.13	103	12.3	92													
26	1,120	1,073	100	34.58	34	4.29	99	11.2	96	10	1.8	59	106	21	37	0.47	0.44	56.56	60.02	32.02	113.58	
27	1,230	1,166	100	35.26	35	5.43	125	13.1	112	7	2.8	63	106	25	48	0.51	0.75	65.85	63.10	37.37	144.38	
28	1,225	1,173	100	37.16	37	2.94	68	13.0	111	6	1.1	52	91	30	39	0.40	0.52	58.30	36.59	30.45	110.68	
29	1,160	1,089	100	37.19	37	4.89	112	10.5	90	6	2.0	54	94	34	37	0.75	0.55	63.61	49.08	41.93	127.51	
30	1,330	1,304	100	38.22	38	3.84	88	11.4	97	3	2.8	55	94	29	39	0.20	0.54	53.09	35.21	22.16	98.34	
31	1,010	936	100	34.16	34	4.93	113	11.8	101	1	3.3	64	107	20	39	0.41	0.79	55.28	63.81	35.80	126.35	
32	1,000				34					9	0.5	52	87	31	34	0.33	0.32	58.94	39.26	23.48	102.40	
33	1,205	1,154	100	35.48	35	6.00	138	12.8	109	6	-1.1	44	79	28	27	0.94	0.27	52.11	35.13	46.43	113.39	
34	1,115	1,046	100	32.45	32	3.51	81	10.2	87	6	2.0	48	94	32	24	0.69	-0.14	49.82	60.08	31.86	97.78	
35	1,200	1,271	102	34.11	32	4.82	120	12.8	96	0	2.4	60	107	29	49	1.02	0.43	60.35	56.05	41.46	139.78	
36	1,190	1,252	102	34.87	33	3.19	80	12.5	96	12	0.1	60	118	28	35	0.63	0.64	64.86	78.26	40.80	119.63	
37	1,150				32					2	4.0	73	121	14	44	0.53	0.84	55.62	75.22	38.58	134.01	
38	1,200	1,119	100	34.54	34	5.24	120	11.7	100	6	1.3	49	89	27	28	1.06	0.40	54.76	37.01	47.48	106.69	
39	1,220	1,153	100	41.67	41	4.13	95	12.7	109	-2	3.4	71	124	27	48	0.87	0.32	68.24	83.93	37.08	142.18	
40	1,250	1,213	100	36.58	36	2.78	64	13.0	111	-4	4.3	60	109	25	54	0.20	0.77	51.45	76.98	20.76	144.86	
41	1,180				33					2	4.7	62	111	19	53	0.34	0.80	40.80	82.46	31.31	157.35	
42	1,150	1,150	98	36.73	36	5.65	129	12.4	102	9	0.9	50	100	27	29	0.83	0.21	54.06	73.87	37.36	120.15	
43	1,130	1,134	97	34.12	33	4.27	98	12.6	104	4	1.8	48	88	24	33	0.48	0.58	48.34	49.94	34.93	118.70	
44	1,850	1,325	100	41.75	39	3.03	96	13.2	118	1	4.4	71	120	23	49	0.56	0.45	61.64	75.86	29.92	134.58	
45	1,680	1,199	100	35.78	36	2.42	77	11.9	106	4	3.0	73	127	25	56	0.52	0.52	73.10	74.83	26.82	131.95	
46	1,720	1,238	100	34.72	37	2.70	86	10.9	97	3	2.7	67	123	29	50	0.53	0.49	68.31	80.52	34.59	138.72	
47	1,690	1,239	100	33.82	38	3.61	115	12.0	107	5	1.8	64	110	18	49	0.80	0.77	57.69	80.00	47.59	167.74	
48	1,620	1,170	100	36.66	40	3.28	104	11.2	100	5	3.0	64	119	21	47	0.90	0.80	52.21	103.56	52.36	178.94	
49	1,600	1,179	100	34.66	38	4.07	129	12.3	110	8	1.4	64	111	23	47	0.90	0.94	64.97	79.31	51.57	166.22	
50	1,565	1,180	101	36.96	39	3.88	137	12.2	108	8	2.4	47	83	23	24	0.93	0.61	45.69	48.16	47.77	117.26	
51	1,550	1,056	100	35.36	36	4.24	135	9.8	88	9	1.7	52	94	18	27	0.79	0.62	39.02	62.38	50.20	127.00	
52	1,720	1,282	110	34.89	38	3.14	111	10.6	94	12	0.4	74	129	32	68	0.45	0.52	84.39	87.73	26.82	157.49	
53	1,500	1,131	97	35.99	40	2.15	76	9.3	82	7	0.8	59	107	27	46	0.81	0.31	64.81	52.73	37.23	126.42	
54	1,630	1,168	104	37.17	37	2.93	102	12.9	111	8	0.1	56	103	27	42	1.00	0.56	63.09	64.06	49.38	147.20	
55	1,700	1,267	113	35.60	39	2.33	81	13.2	114	10	0.2	70	118	29	57	0.57	0.97	78.49	80.24	44.51	168.14	
56	1,565	1,145	98	37.04	41	2.09	74	10.8	96	9	1.2	47	92	32	46	0.58	0.42	54.99	45.69	28.47	126.29	
57	1,720	1,241	106	34.74	38	3.01	106	11.9	105													
58	1,510	1,123	100	36.81	37	3.80	133	11.1	96	14	-1.0	55	106	35	38	0.83	0.53	67.31	68.21	41.70	131.22	
59	1,530	1,113	100	35.72	38	3.97	126	10.5	94	3	2.2	46	80	21	30	0.70	0.43	36.73	46.57	39.59	124.16	
60	1,615	1,108	100	33.69	38	5.63	179	10.9	97	10	0.1	50	86	20	29	1.34	0.57	50.80	40.35	54.59	124.27	
61	2,200	1,129	100	36.80	43	2.65	69	12.0	106	1	2.9	60	118	28	42	0.08	0.49	57.76	76.99	10.38	101.06	
62	2,050	1,048	100	32.61	44	3.22	84	10.8	96	6	2.6	60	116	46	50	0.53	0.50	71.41	87.20	24.80	142.24	
63	2,000	1,023	100	32.77	39	4.88	127	9.4	83	10	1.6	53	82	31	28	1.02	0.44	62.03	33.00	49.88	117.58	
64	1,800				44					9	1.4	62	111	24	38	0.93	0.57	60.02	78.64	49.64	146.08	

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Lot	Wt	365 wt	ratio	365 SC	Act SC	%IMF	ratio	URE	ratio	CED	BW	WW	YW	Milk	CW	MS	RE	\$W	\$F	\$G	\$B	
65	1,690	1,188	100	32.72	37	3.59	114	10.1	90	3	2.6	54	110	32	45	0.86	0.36	54.61	87.68	41.36	156.43	
66	1,625	1,157	100	33.85	39	2.47	78	10.8	96	-2	4.3	61	106	32	44	0.37	0.60	61.70	72.39	31.56	139.79	
67	1,530	1,109	100	35.88	37	2.90	92	10.4	93	-2	3.7	49	90	18	31	0.53	0.47	37.00	59.20	37.87	124.33	
68	1,430	1,057	100	33.46	36	3.22	102	11.2	100	8	2.7	42	89	32	29	0.56	0.59	43.09	70.56	40.42	131.41	
69	1,720	1,214	104	37.72	41	1.92	68	14.7	130	0	3.4	67	121	20	61	0.56	1.15	57.25	88.37	42.84	174.10	
70	1,450	1,254	100	35.86	37	2.95	100	11.5	100	10	-0.2	59	112	35	45	0.44	0.54	74.11	63.15	28.16	118.61	
71	1,470	1,072	100	33.34	36	1.74	55	12.3	110	9	0.3	39	74	25	30	0.62	0.64	43.64	43.21	40.47	126.46	
72	1,500	1,043	100	34.75	38	2.43	77	10.9	97	6	1.9	55	91	16	32	0.68	0.42	49.44	58.96	38.57	128.81	
73	1,480	1,096	100	36.59	38	4.12	131	10.5	94	5	2.6	46	77	20	24	1.26	0.22	38.66	41.37	46.65	117.56	
74	1,560	1,082	100	35.34	38	2.23	71	12.9	115	2	2.8	70	114	29	53	0.27	0.72	69.82	74.84	23.55	142.11	
75	1,570	1,155	100	35.72	38	2.40	76	9.9	88	3	1.9	55	92	27	39	0.28	0.50	54.39	44.38	25.81	114.07	
77	1,550	1,176	100	34.78	36	2.13	68	11.9	106	1	4.9	48	85	26	43	0.21	0.71	32.73	49.52	25.92	133.30	
78	1,580	1,112	100	33.78	36	3.26	103	11.9	106	2	4.3	56	98	26	42	0.89	0.71	43.01	63.84	50.23	155.34	
79	OUT																					
80	1,530	1,244	107	39.84	42	3.02	107	11.6	103	1	3.6	58	95	21	32	0.65	0.31	52.03	50.43	37.51	115.10	
81	1,520	1,234	106	38.00	39	2.71	96	11.8	104	4	3.3	52	92	26	32	0.80	0.37	53.63	45.82	44.91	118.87	
82	1,430	1,151	103	39.48	42	2.64	92	13.5	116	8	0.7	42	77	37	23	1.11	0.50	62.25	25.14	51.24	101.58	
83	1,480	1,085	97	36.19	39	2.66	93	10.6	91	9	2.1	59	97	24	22	0.89	0.22	60.31	51.42	44.76	99.62	
84	1,570	1,075	42	34.20	40	3.86	112	10.0	93	7	1.8	51	90	24	33	0.91	-0.05	48.79	45.06	28.38	106.05	
85	1,550	1,149	102	39.11	41	3.59	126	12.1	104	11	-0.5	54	86	27	20	0.74	0.37	59.50	45.48	45.40	103.37	
86	1,480	1,110	99	35.81	38	2.67	93	9.8	84	11	-0.2	55	111	42	40	0.92	0.43	69.81	90.32	45.04	152.99	
87	1,700	1,138	98	35.12	40	3.41	120	11.8	104	5	0.4	53	90	30	26	0.95	0.56	57.33	38.37	51.48	108.62	
88	1,400	1,089	97	34.91	36	2.93	102	11.2	97	13	0.3	61	102	23	30	0.79	0.55	60.87	58.67	46.20	119.25	
89	1,440	1,085	97	33.27	35	2.89	101	10.7	92	15	-1.4	42	81	35	16	1.02	0.55	53.38	37.64	54.18	96.36	
90	1,400	1,057	95	34.94	36	2.46	86	11.5	99	5	1.7	57	103	26	33	0.93	0.88	56.04	74.18	56.05	147.15	
91	1,500	1,100	98	33.91	37	3.15	110	11.5	99	11	-1.2	56	108	37	37	0.62	0.46	72.28	70.57	35.71	123.22	
92	1,750	1,291	111	35.88	40	1.80	64	12.0	106	0	1.8	64	113	29	48	0.29	0.76	69.20	76.26	29.42	139.63	
93	1,410	1,132	98	31.42	35	4.27	151	11.6	103	15	-2.1	44	78	25	32	1.25	0.30	52.65	46.35	47.96	138.41	
94	1,320	1,096	94	36.65	37	2.92	103	10.5	93	9	-0.2	52	85	24	29	0.39	0.52	58.53	38.92	30.65	101.49	
95	1,490	1,157	99	32.25	35	2.57	91	10.6	94	9	-0.2	68	124	39	51	0.35	0.57	88.40	85.32	28.38	137.78	
96	1,475	1,179	101	34.55	37	3.02	107	10.5	93	10	-1.3	62	112	26	47	0.83	0.44	68.29	81.57	39.26	153.25	
97	1,490	1,057	94	42.36	37	2.28	80	10.7	92	13	-1.7	47	83	32	27	0.59	0.36	63.93	35.63	35.15	98.49	
98	1,360	1,043	90	30.71	34	2.27	80	11.2	99	10	-1.6	48	87	32	45	0.73	0.46	58.87	52.84	37.76	149.21	
99	1,300	953	82	30.56	32	2.62	93	8.9	79	11	-0.7	43	72	24	15	0.47	0.17	44.71	24.37	30.58	71.09	
100	1,650	1,080	98	34.87	40	3.99	116	10.2	94	6	2.8	51	88	21	26	0.45	0.47	41.00	59.14	35.50	115.19	
101	1,680				40	1.72	92	15.1	121	4.4	0.6	40	61	17.0	34	0.05	1.17				203.66	
102	1,585				41	1.97	105	11.8	95	8.1	0.0	22	38	4.0	18	0.18	0.55				185.44	
104	1,655				41	2.20	108	10.7	92	6.2	1.5	24	35	3.0	14	0.21	0.50				179.40	
106	1,375				35	1.70	90	10.9	87	8.9	-2.1	16	24	10.0	-8	0.13	0.30				173.03	
107	1,120				37	2.31	100	11.8	93	-0.6	2.2	37	53	7.0	15	0.02	0.71				191.48	
108	1,200				39	2.43	100	12.6	100	7.1	0.2	28	44	4.0	10	0.10	0.54				187.97	
109	1,255				34	2.72	93	13.0	107	3.9	0.0	27	44	1.0	6	0.17	0.47				191.72	
110	1,145				33	3.74	128	11.0	90	3.9	-0.3	23	39	1.0	6	0.17	0.47				187.70	
111	1,275				38	2.82	97	12.0	99	4.0	1.0	35	53	3.0	13	0.11	0.44				194.23	
112	1,150				37	3.67	126	11.7	96	4.0	1.0	35	53	3.0	13	0.11	0.44				194.23	
113	1,255				34	2.69	100	14.0	100	3.0	1.2	41	66	14.0	31	0.11	0.96				209.63	
114	1,145				34	2.29	78	12.0	99	3.0	1.3	33	55	14.0	31	0.11	0.96				201.06	
115	1,260				36	2.28	78	13.3	109	3.0	1.4	41	67	14.0	31	0.11	0.96				210.16	
116	1,175				35					3.0	1.2	41	66	14.0	31	0.11	0.96				209.63	
117	1,250				37	2.26	100	13.8	100	8.2	-0.5	17	33	4.0	16	0.22	0.60				183.58	
118	1,200				36	2.40	81	14.6	113	4.9	1.4	36	54	4.0	24	0.19	0.73				196.25	
119	1,210				35	2.66	100	13.4	100	6.4	0.7	31	53	5.0	17	0.25	0.63				200.31	
120	1,265				36	3.51	100	13.1	100	6.7	0.2	17	36	3.0	14	0.30	0.56				188.19	
121	1,215				32	3.53	100	11.6	100	4.4	2.5	29	42	2.0	12	0.07	0.57				181.55	
122	1,320				31	2.77	93	12.8	99	11.9	-1.8	30	40	5.0	20	0.07	0.75				183.30	
123	1,100				34	3.35	112	12.1	95	-0.3	2.6	33	53	4.0	9	0.13	0.40				194.09	
124	1,235				33	3.25	109	13.4	104	0.5	3.5	28	39	5.0	18	0.09	0.45				178.24	
125	1,050				30	3.02	101	12.3	96	6.3	1.1	26	42	3.0	30	0.07	0.86				170.64	
126	1,215				34	3.11	104	12.0	93	5.2	0.4	26	42	3.0	12	0.21	0.48				189.18	
127										7	1.4	58	103	32	45	1.36	0.68	64.24	68.37	57.45	166.24	
128		1,038	99			7.07	100	9.8	89	5	2.3	65	119	30	57	0.75	0.29	65.67	76.04	31.77	146.94	
129		929	100			8.57	126	10.4	98	1	2.5	63	113	33	50	1.66	0.51	63.96	64.24	60.42	161.34	
130 A		913	100			6.63	97	10.6	100	13	-0.6	59	104	30	49	0.56	0.74	68.50	61.42	41.32	148.80	
130 B		877	100			8.23	121	11.2	106	9	0.1	53	95	28	49	0.79	0.78	58.03	62.00	46.22	164.34	

2018 LHR Data and EPD Update

Lot	Wt	365 wt	ratio	365 SC	Act SC	%IMF	ratio	URE	ratio	CED	BW	WW	YW	Milk	CW	MS	RE	\$W	\$F	\$G	\$B	
131		1,098	105			8.38	118	11.9	108	6	1.9	74	137	27	70	1.05	0.83	71.67	112.99	48.19	193.99	
133 A		934	100			8.58	126	9.2	87	7	2.6	59	109	22	57	1.00	0.21	53.89	78.34	27.24	156.37	
133 B		OUT																				
133 C		892	100			5.50	81	10.8	102	6	1.0	43	78	27	38	0.67	0.57	45.19	51.06	40.09	147.07	
134		971	102			6.33	98	10.1	94	2	1.9	69	112	28	50	0.61	0.68	73.41	71.19	43.85	156.55	
135		997	105			6.07	94	11.0	102	7	2.2	38	74	34	33	0.71	0.76	50.97	39.84	46.29	134.81	
136 A		981	94			7.24	102	10.7	97	6	3.0	70	129	25	59	0.50	0.81	65.82	85.86	34.14	149.67	
136 B		1,017	100			5.43	80	12.2	115	1	4.8	78	138	24	62	0.42	0.85	61.59	95.11	33.64	152.94	
136 C		958	100			6.55	96	10.5	99	2	1.9	62	113	31	45	0.75	0.21	72.71	71.98	28.96	128.48	
136 D		923	100			6.15	90	9.7	92	2	1.7	56	100	31	37	0.67	0.22	67.53	48.78	32.17	109.69	
136 E		1,023	100			5.78	85	12.8	121	10	0.7	57	104	28	39	0.58	0.59	63.03	58.18	36.94	122.48	
137 A		868	100			7.06	104	10.4	98	8	0.4	54	91	27	31	0.47	0.46	58.78	34.15	33.19	95.96	
137 B		803	100			6.48	95	11.0	104	4	3.4	71	118	16	49	0.16	0.75	56.67	72.71	20.63	125.43	
138										11	-0.2	59	104	18	37	0.53	0.79	57.25	65.46	38.30	128.38	
140		908	100			6.13	90	9.2	87	6	2.1	67	117	24	49	0.40	0.36	67.28	80.12	22.50	133.92	
141 A		910	100			7.06	104	10.3	97	5	1.0	47	87	32	24	0.72	0.05	58.43	46.31	32.86	94.67	
141 B		929	100			8.18	120	10.9	103	10	-0.7	39	72	28	18	0.97	0.12	47.79	17.88	44.57	82.68	
142 A		906	100			6.88	101	10.1	95	6	2.9	64	104	18	44	0.87	0.65	57.21	62.33	44.42	147.18	
142 B		883	100			5.87	86	10.1	95	4	3.3	59	99	9	43	0.40	0.72	34.34	55.26	33.80	132.28	
143		1,034	100			3.60	70	11.3	115	5	3.0	57	114	30	53	0.26	0.87	53.15	91.77	26.20	153.92	
144		962	100			5.63	110	9.5	97	8	1.3	57	98	39	55	0.73	0.80	71.45	51.45	42.15	157.22	
145		920	100			4.49	88	8.8	90	6	3.2	71	132	29	43	0.62	0.31	65.32	95.43	30.38	126.69	
146		874	100			7.16	140	9.6	98	10	0.9	48	89	20	33	1.01	0.99	41.54	61.93	60.19	154.49	
147 A		838	100			5.07	99	9.3	95	3	2.3	43	83	29	26	0.76	0.57	45.42	38.99	47.28	109.58	
147 B		819	100			5.42	106	8.1	83	9	0.0	42	77	37	23	0.95	0.35	56.30	35.12	45.92	106.25	
147 D		888	100			5.69	111	9.1	93	8	0.0	32	65	38	11	1.01	0.12	43.32	24.39	43.74	79.79	
147 D		863	100			6.63	129	9.1	93	5	1.2	31	59	23	15	1.24	0.25	31.45	22.41	51.09	101.84	
148 A		820	100			5.91	115	8.2	84	-5	4.9	72	125	18	71	0.37	0.67	47.99	95.09	24.00	170.44	
148 B		725	100			4.59	100	9.6	100	1	3.6	54	86	25	44	0.24	0.80	46.62	36.98	26.73	125.47	
149		916	90			7.81	114	10.2	89	7	1.0	56	93	34	36	0.46	0.43	70.44	36.55	29.74	103.44	
150										9	-0.7	40	77	30	21	0.94	0.26	47.73	30.52	49.22	99.58	
151		978	98							5	3.4	49	94	22	29	0.60	0.40	35.21	51.30	39.05	107.46	
152										7	0.8	56	104	24	42	0.36	0.61	60.99	46.57	28.27	107.15	
153		769	100			6.56	112	9.8	100	7	-1.3	41	70	32	19	1.03	0.53	56.28	33.12	53.05	112.57	
154		795	100			4.52	97	7.7	85	0	2.8	63	115	28	55	1.15	0.32	62.36	83.73	46.69	171.79	
154 calf										6	1.9	67	128	21	59	0.86	0.68	64.03	102.11	45.07	176.05	
155 A		795	100			4.86	104	6.7	74	0	4.6	52	93	24	51	0.74	0.47	40.52	64.19	40.38	166.72	
155 A calf										6	2.8	62	117	19	57	0.66	0.75	53.91	91.24	40.96	172.53	
155 B		878	100			7.63	110	9.4	92	6	1.3	62	110	21	49	0.85	0.38	59.68	65.72	42.01	146.75	
155 Bc calf										5	1.9	64	113	24	45	0.89	0.31	63.94	74.56	39.90	143.12	
156		894	100			7.41	126	8.8	90	14	-2.1	50	97	23	28	0.92	0.20	56.60	54.35	39.75	105.23	
157		856	100			5.08	87	9.2	94	3	4.6	49	86	29	40	0.72	0.58	47.87	49.11	40.58	140.92	
157 calf										5	3.6	59	106	29	51	0.67	0.77	59.66	69.79	41.31	157.51	
158		1,033	99			6.69	95	12.6	97	4	4.1	71	113	13	52	0.31	1.03	56.54	69.91	33.15	147.46	
158 calf										10	0.8	66	109	22	41	0.54	0.78	71.63	70.11	37.59	136.41	
159		920	100			5.56	95	9.6	98	6	1.6	51	101	25	30	0.98	0.23	52.65	60.12	43.54	113.80	
159 calf										9	1.3	61	121	20	47	0.78	0.63	59.35	90.07	42.92	151.42	
160 A		935	100			5.83	100	10.9	103	6	2.3	56	106	20	44	1.16	0.40	45.02	74.50	48.55	155.77	
160 B		1,004	100			8.12	140	12.0	113	7	1.0	46	92	26	36	1.02	0.33	48.66	59.35	40.08	132.27	
161		942	100			6.07	87	9.1	89	6	2.1	69	120	22	44	0.44	0.20	65.53	71.60	25.02	116.02	
162		903	100			5.97	86	10.1	99	7	2.2	67	108	24	41	0.66	0.79	63.78	66.69	41.89	139.31	
163 A		940	100			6.35	109	12.0	113	7	1.0	63	104	33	46	0.56	0.61	73.09	56.24	37.69	137.32	
163 A calf										6	1.8	65	110	30	44	0.75	0.43	71.49	69.29	38.61	139.89	
163 B		849	100			5.37	92	9.9	93	5	1.1	48	72	27	25	0.68	0.51	48.06	18.09	42.19	100.43	
163 C		888	100			5.92	102	10.7	101	2	1.7	64	116	31	50	0.77	0.37	68.04	67.25	33.88	133.62	
164		1,092	111			6.08	117	10.3	105	5	2.0	64	114	16	37	1.05	0.62	54.25	73.04	53.40	138.99	
165 A		836	100			7.83	113	10.2	100	-2	2.1	56	94	18	25	1.04	0.30	54.15	54.07	46.11	112.68	
165 A calf										5	0.9	54	96	22	33	0.88	0.28	55.22	64.38	40.65	130.53	
165 B		841	100			5.82	100	9.9	93	1	1.4	54	96	24	38	0.99	0.29	55.45	54.82	38.81	129.09	
166 calf		1,080	104			6.46	92	11.1	85	2	3.9	55	104	20	29	0.82	0.49	38.95	61.73	44.78	112.43	
166 c										7	2.4	63	123	17	46	0.70	0.76	52.24	91.80	43.11	149.69	