

HERS BESTEST results for:

Software Name: MICROPAS7

User input data fields indicated by pale yellow

Test result fields indicated by pale green

Annual Loads

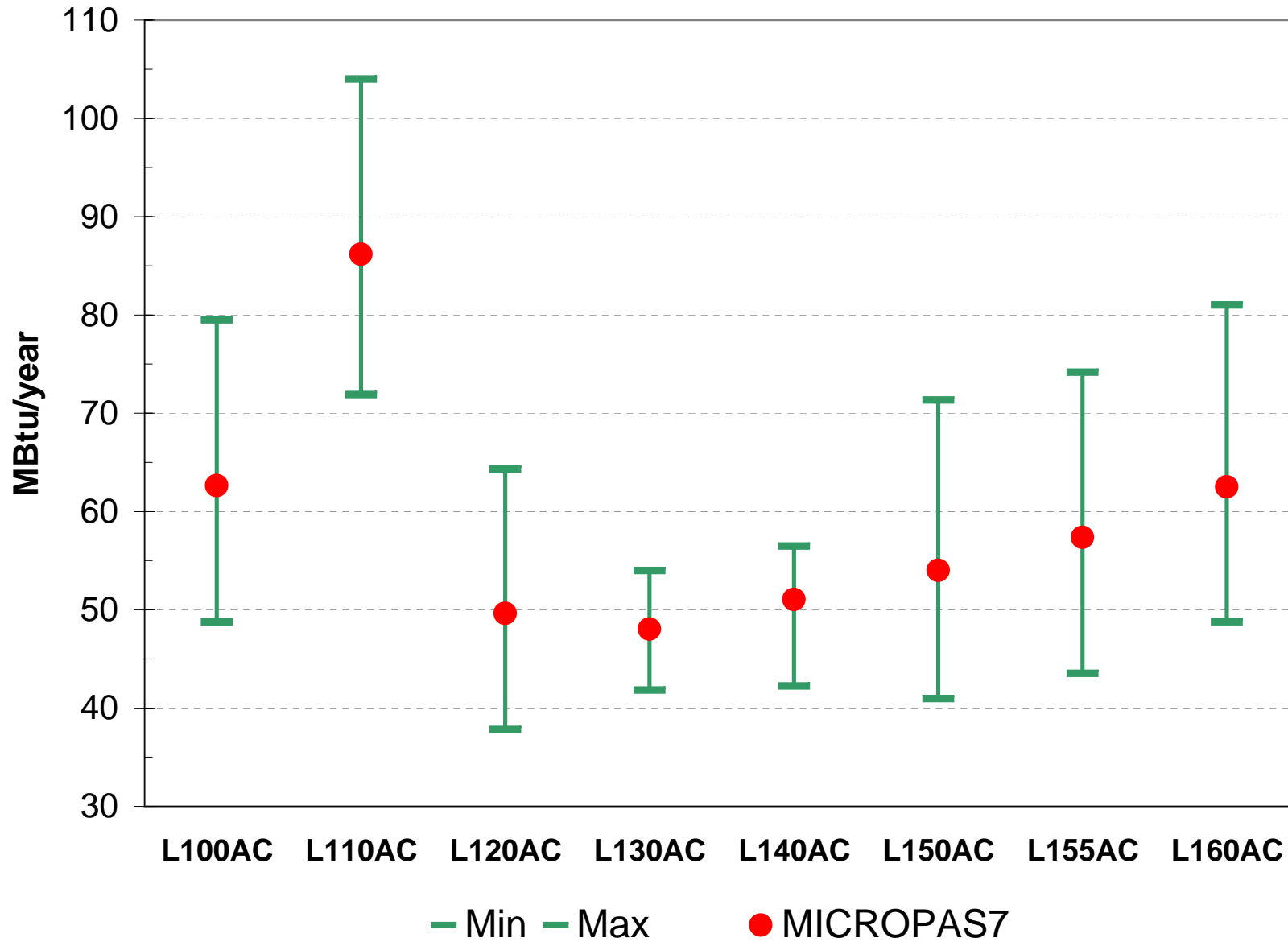
Heating	range max	range min	Result	pass/fail
L100AC	79.48	48.75	62.63	pass
L110AC	103.99	71.88	86.17	pass
L120AC	64.30	37.82	49.62	pass
L130AC	53.98	41.82	48.04	pass
L140AC	56.48	42.24	51.05	pass
L150AC	71.33	40.95	54.02	pass
L155AC	74.18	43.53	57.36	pass
L160AC	81.00	48.78	62.50	pass
L170AC	92.40	61.03	74.81	pass
L200AC	185.87	106.41	124.36	pass
L202AC	190.05	111.32	124.96	pass
L302AC	86.90	56.12	67.62	pass
L304AC	73.15	46.11	54.53	pass
L322AC	111.69	73.71	92.19	pass
L324AC	77.47	46.38	70.00	pass

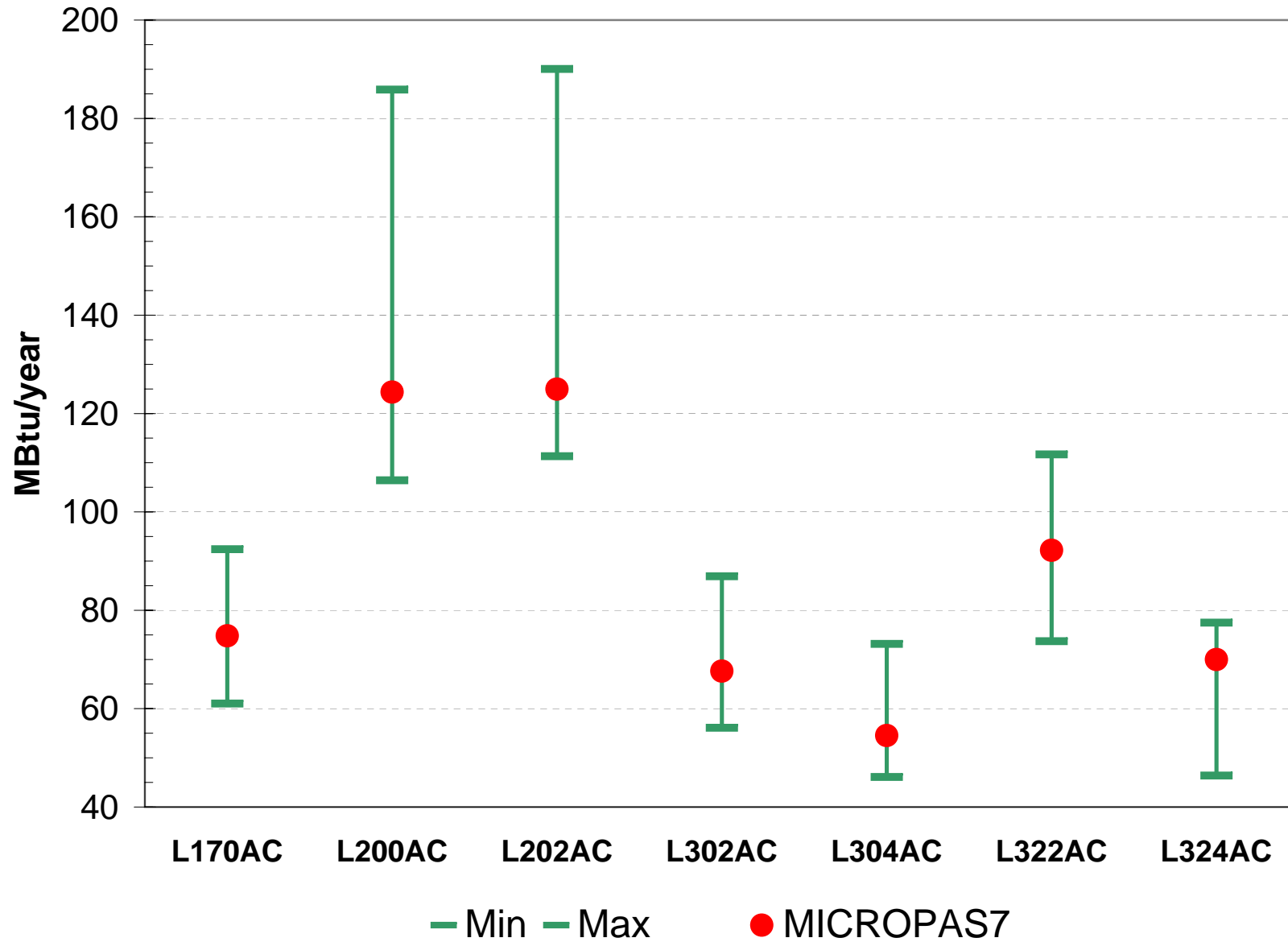
Annual Load deltas

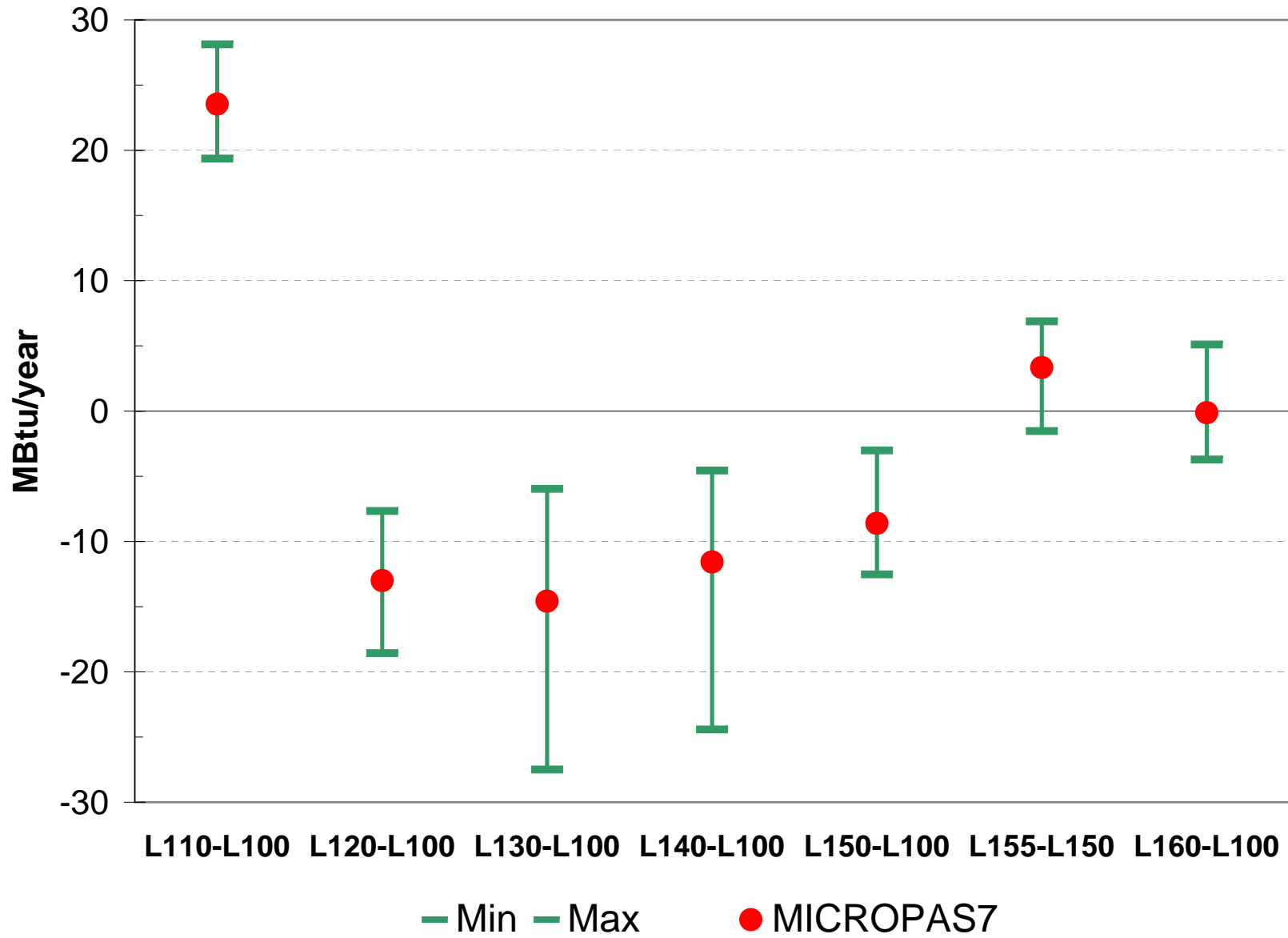
Heating	range max	range min	Result	pass/fail
L110-L100	28.12	19.36	23.55	pass
L120-L100	-7.67	-18.57	-13.00	pass
L130-L100	-5.97	-27.50	-14.58	pass
L140-L100	-4.56	-24.42	-11.58	pass
L150-L100	-3.02	-12.53	-8.61	pass
L155-L150	6.88	-1.54	3.34	pass
L160-L100	5.10	-3.72	-0.12	pass
L170-L100	17.64	7.12	12.19	pass
L200-L100	107.66	56.39	61.73	pass
L202-L200	9.94	-0.51	0.60	pass
L302-L100	14.50	-3.29	4.99	pass
L302-L304	17.75	5.66	13.09	pass
L322-L100	39.29	15.71	29.57	pass
L322-L324	38.22	21.25	22.19	pass

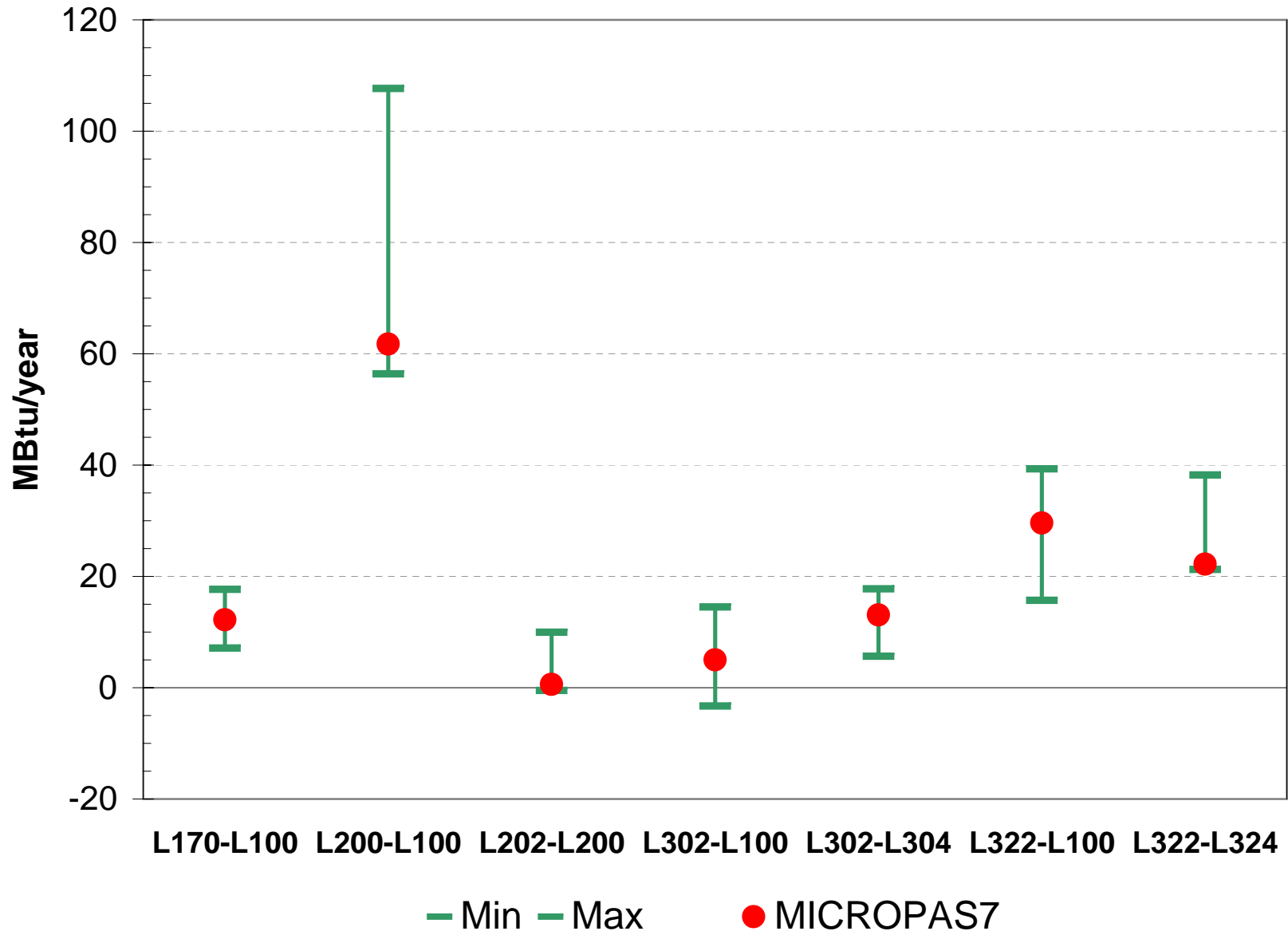
Cooling	range max	range min	Result	pass/fail
L100AL	64.88	50.66	60.39	pass
L110AL	68.50	53.70	63.38	pass
L120AL	60.14	47.34	53.45	pass
L130AL	45.26	32.95	41.54	pass
L140AL	30.54	19.52	28.03	pass
L150AL	82.33	62.41	75.46	pass
L155AL	63.06	50.08	58.12	pass
L160AL	72.99	58.61	72.59	pass
L170AL	53.31	41.83	49.81	pass
L200AL	83.43	60.25	77.42	pass
L202AL	75.96	52.32	64.10	pass

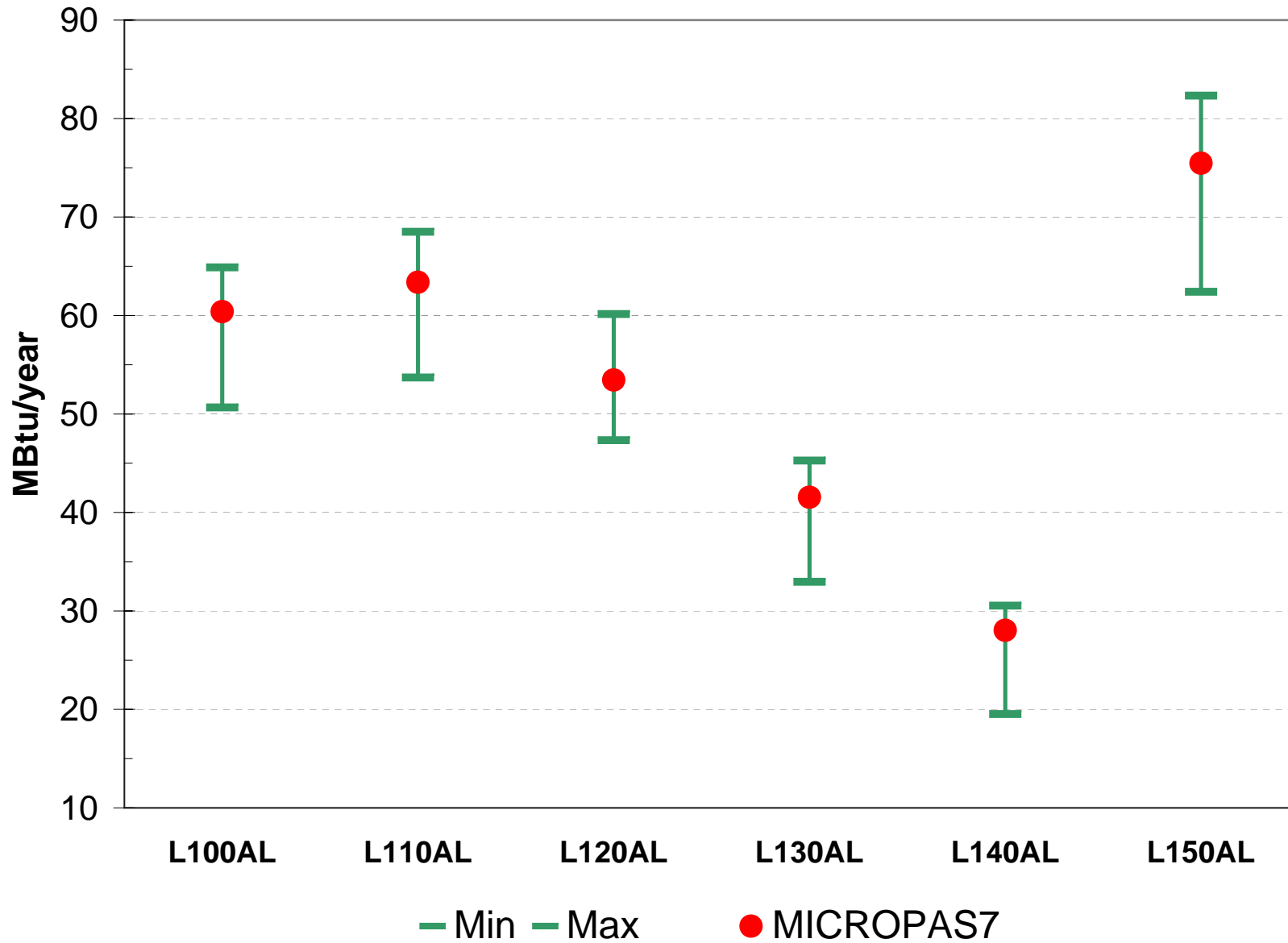
Cooling	range max	range min	Result	pass/fail
L110-L100	7.84	-0.98	2.99	pass
L120-L100	0.68	-8.87	-6.94	pass
L130-L100	-13.71	-24.40	-18.85	pass
L140-L100	-27.14	-38.68	-32.36	pass
L150-L100	20.55	8.72	15.07	pass
L155-L150	-9.64	-22.29	-17.34	pass
L160-L100	12.28	3.88	12.19	pass
L170-L100	-4.83	-15.74	-10.59	pass
L200-L100	21.39	6.63	17.03	pass
L200-L202	14.86	2.03	13.32	pass

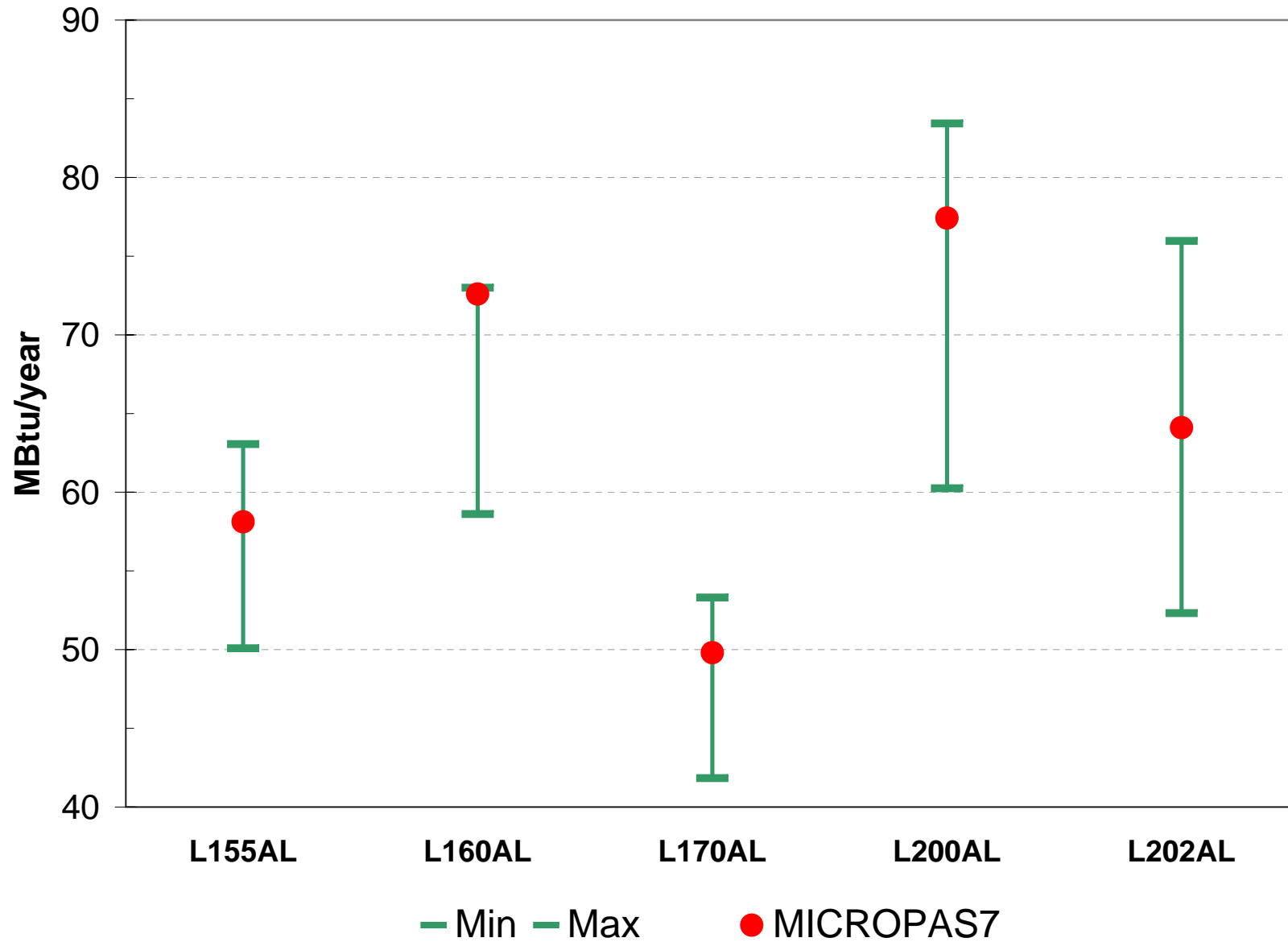


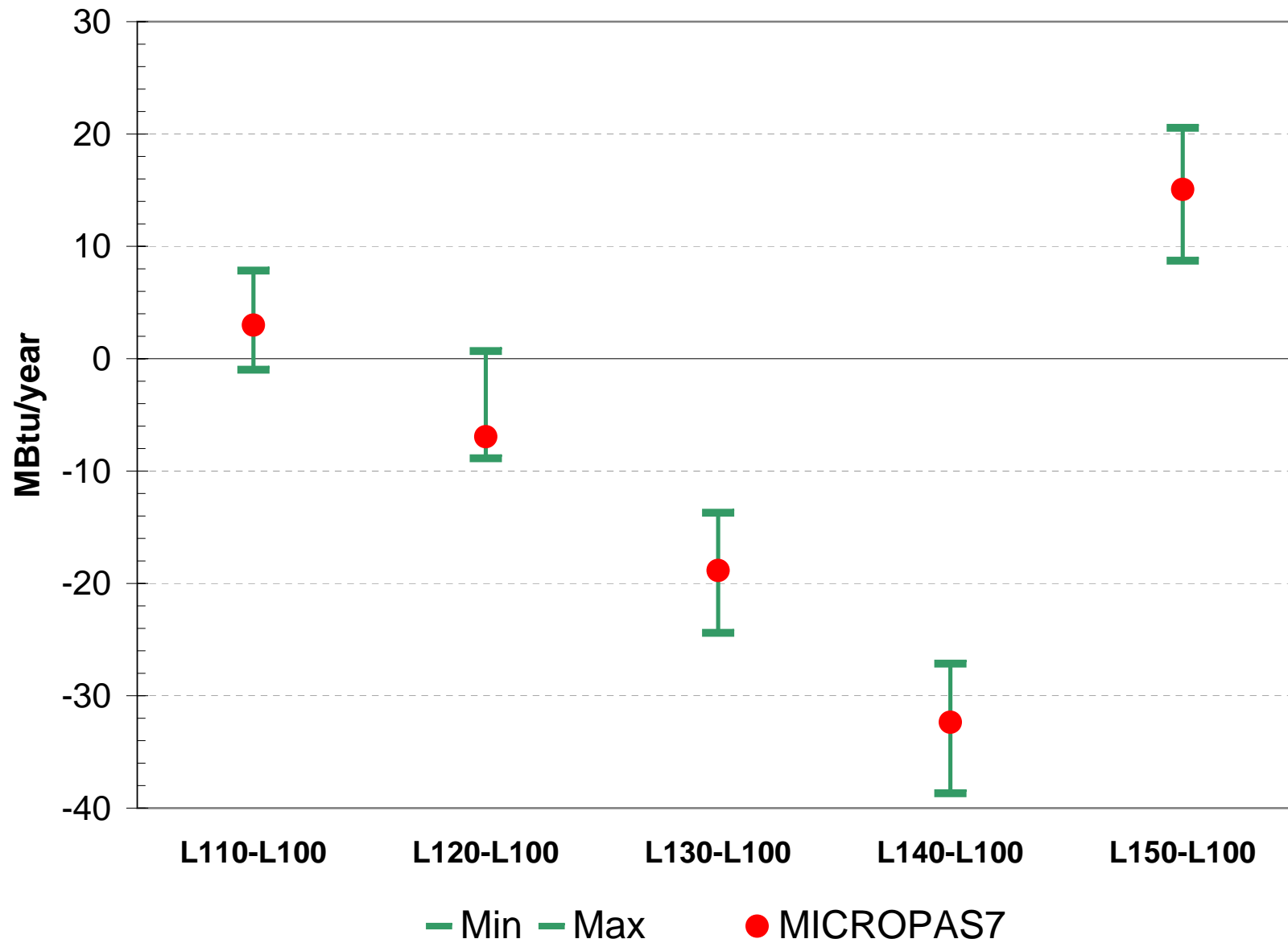












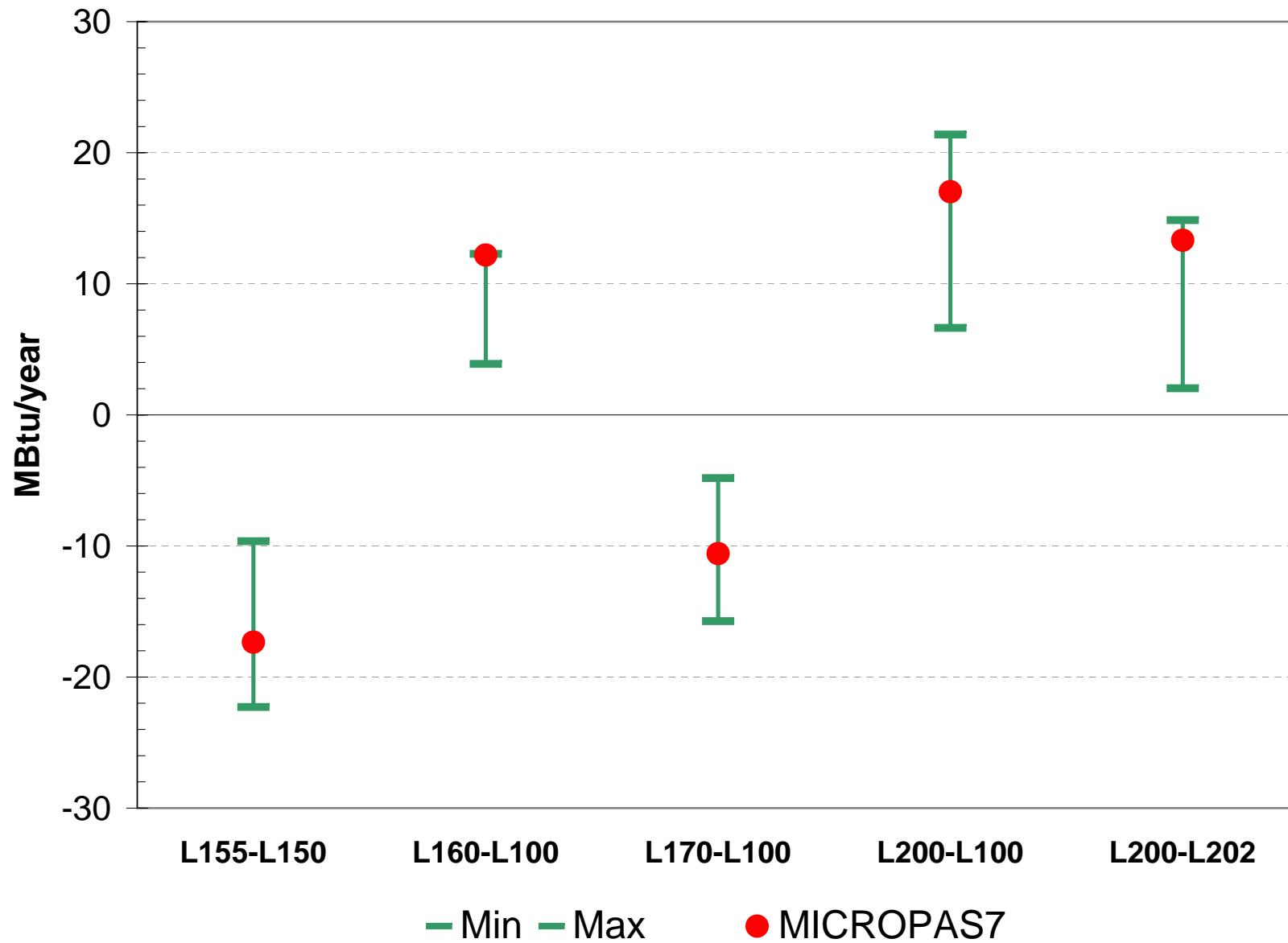


Chart plot data

Chart 1	L100AC	L110AC	L120AC	L130AC	L140AC	L150AC	L155AC	L160AC
max	79.48	103.99	64.30	53.98	56.48	71.33	74.18	81.00
min	48.75	71.88	37.82	41.82	42.24	40.95	43.53	48.78
avg	64.12	87.94	51.06	47.90	49.36	56.14	58.86	64.89
egUSA	62.63	86.17	49.62	48.04	51.05	54.02	57.36	62.50

Chart 2	L170AC	L200AC	L202AC	L302AC	L304AC	L322AC	L324AC
max	92.40	185.87	190.05	86.90	73.15	111.69	77.47
min	61.03	106.41	111.32	56.12	46.11	73.71	46.38
avg	76.72	146.14	150.69	71.51	59.63	92.70	61.93
egUSA	74.81	124.36	124.96	67.62	54.53	92.19	70.00

Chart 3	L110-L100	L120-L100	L130-L100	L140-L100	L150-L100	L155-L150	L160-L100
max	28.12	-7.67	-5.97	-4.56	-3.02	6.88	5.10
min	19.36	-18.57	-27.50	-24.42	-12.53	-1.54	-3.72
avg	23.74	-13.12	-16.74	-14.49	-7.78	2.67	0.69
egUSA	23.55	-13.00	-14.58	-11.58	-8.61	3.34	-0.12

Chart 4	L170-L100	L200-L100	L202-L200	L302-L100	L302-L304	L322-L100	L322-L324
max	17.64	107.66	9.94	14.50	17.75	39.29	38.22
min	7.12	56.39	-0.51	-3.29	5.66	15.71	21.25
avg	12.38	82.03	4.72	5.61	11.71	27.50	29.74
egUSA	12.19	61.73	0.60	4.99	13.09	29.57	22.19

Chart 5	L100AL	L110AL	L120AL	L130AL	L140AL	L150AL
max	64.88	68.50	60.14	45.26	30.54	82.33
min	50.66	53.70	47.34	32.95	19.52	62.41
avg	57.77	61.10	53.74	39.11	25.03	72.37
egUSA	60.39	63.38	53.45	41.54	28.03	75.46

Chart 6	L155AL	L160AL	L170AL	L200AL	L202AL
max	63.06	72.99	53.31	83.43	75.96
min	50.08	58.61	41.83	60.25	52.32
avg	56.57	65.80	47.57	71.84	64.14
egUSA	58.12	72.59	49.81	77.42	64.10

Chart 7	L110-L100	L120-L100	L130-L100	L140-L100	L150-L100
max	7.84	0.68	-13.71	-27.14	20.55
min	-0.98	-8.87	-24.40	-38.68	8.72
avg	3.43	-4.10	-19.06	-32.91	14.64
egUSA	2.99	-6.94	-18.85	-32.36	15.07

Chart 8	L155-L150	L160-L100	L170-L100	L200-L100	L200-L202
max	-9.64	12.28	-4.83	21.39	14.86
min	-22.29	3.88	-15.74	6.63	2.03
avg	-15.97	8.08	-10.29	14.01	8.45
egUSA	-17.34	12.19	-10.59	17.03	13.32