4.55 vapor-liquid equilibrium data for nitric acid + water mixtures at 1.0 atm.

T (°C)	$x_{\text{nitric acid}}$	$y_{\text{nitric acid}}$
100.	0.0	0.0
104.	0.067	0.003
104.5	0.072	0.003
106.5	0.102	0.010
107.0	0.110	0.012
108.5	0.135	0.020
109.5	0.141	0.023
110.5	0.162	0.035
111.5	0.181	0.042
112.0	0.181	0.042
114.5	0.217	0.082
115.5	0.233	0.096
117.5	0.282	0.165
119.2	0.348	0.297
119.4	0.341	0.259
120.0	0.383	0.375
119.9	0.374	0.375
118.5	0.450	0.564
117.0	0.474	0.651
115.0	0.515	0.762
113.0	0.530	0.764
112.6	0.540	0.768
111.5	0.557	0.857
108.8	0.574	0.864
106.0	0.606	0.936
102.9	0.651	0.942
97.5	0.700	0.960
96.1	0.719	0.972
95.8	0.723	0.984
95.5	0.738	0.986
92.0	0.755	0.983
91.0	0.802	0.983
87.2	0.853	0.984
86.9	0.878	0.988
82.8	0.991	0.997
83.0	1.0	1.0