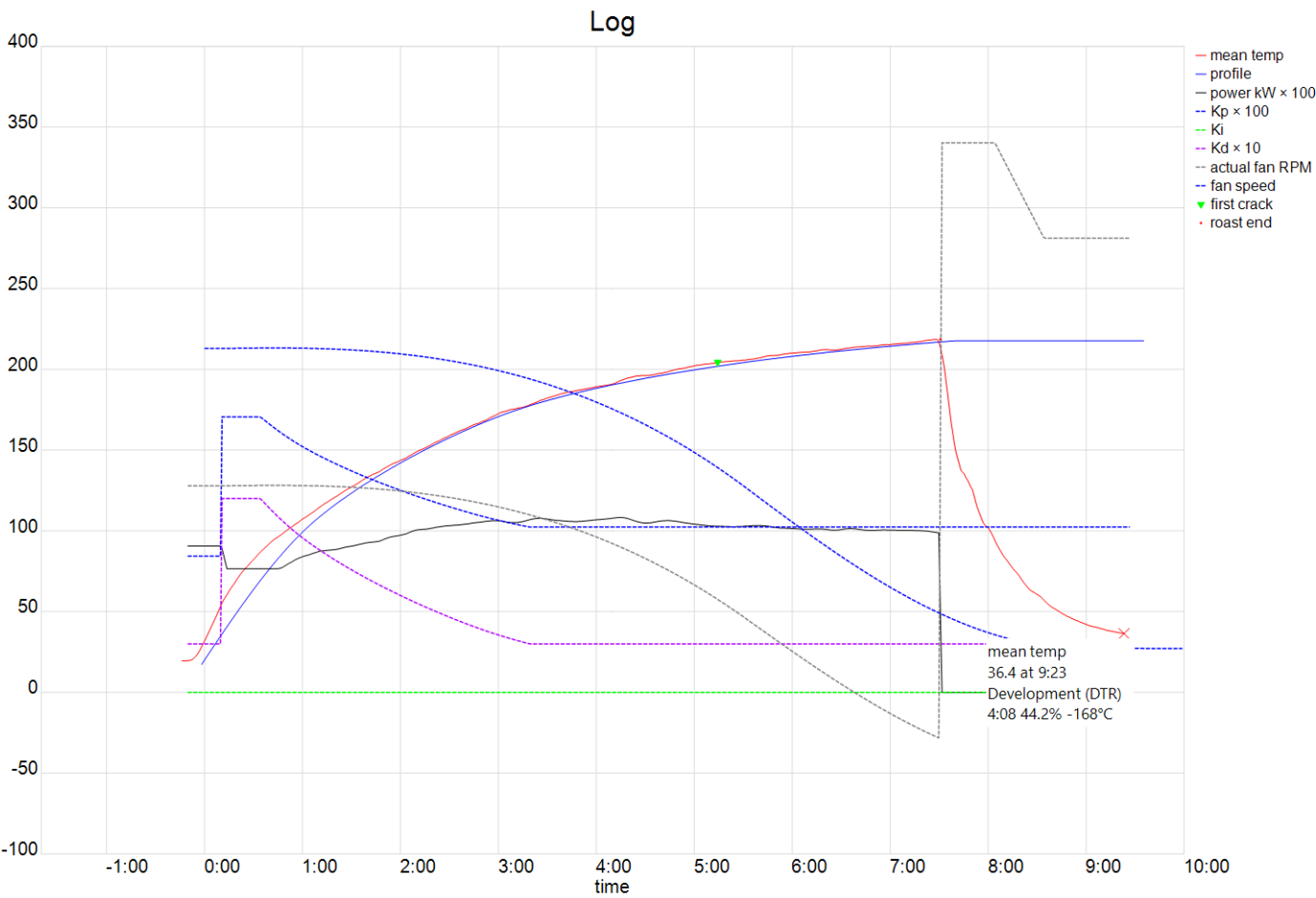
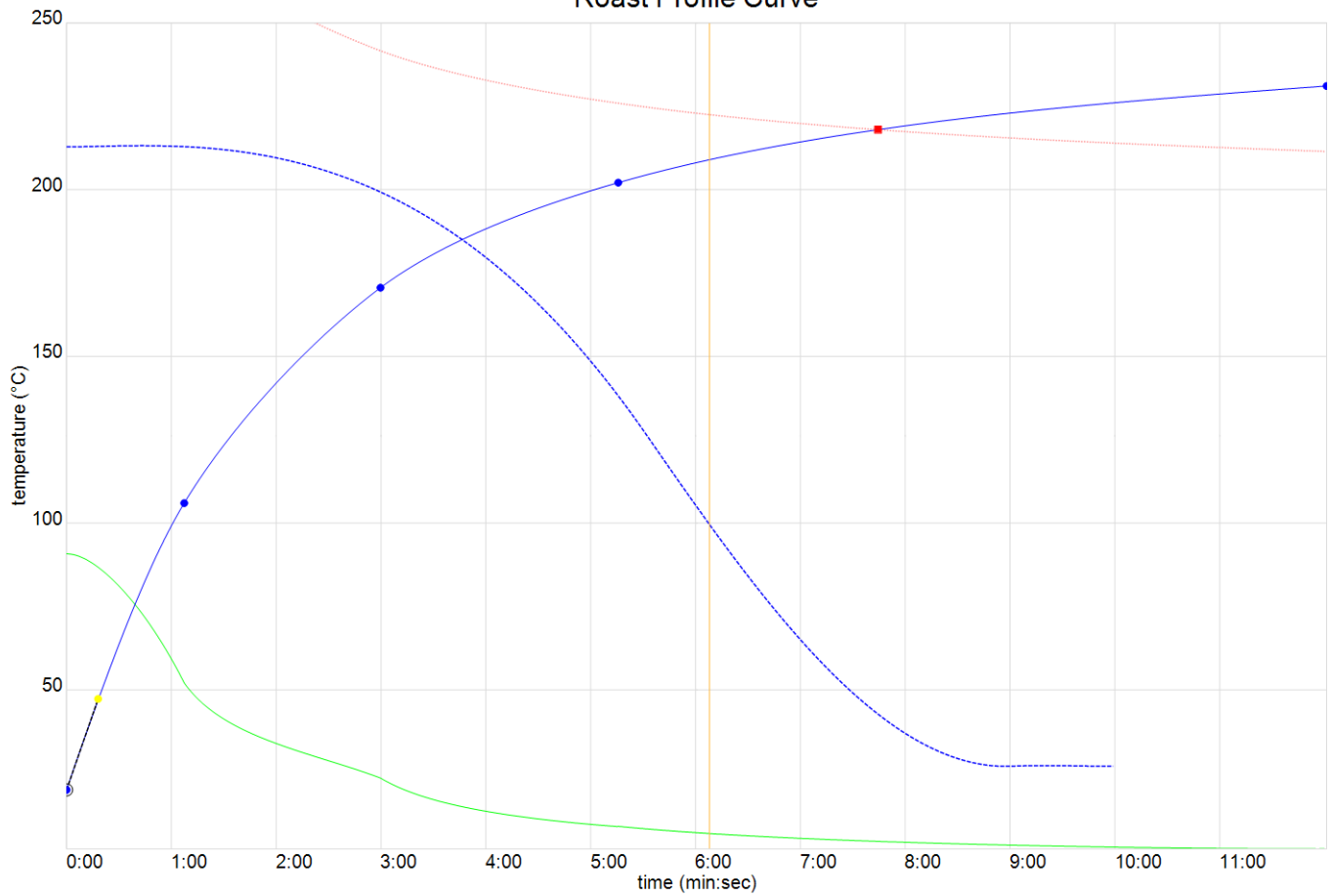




Roast Profile Curve



Recommended roast end

Temperature	218°C
Time	7:44

Development

Duration	1:36
Percent	20.7%
Increase	9°C

Expected first crack

Temperature	209
Time	6:08

Maillard

Duration	-
Percent	-
Increase	-

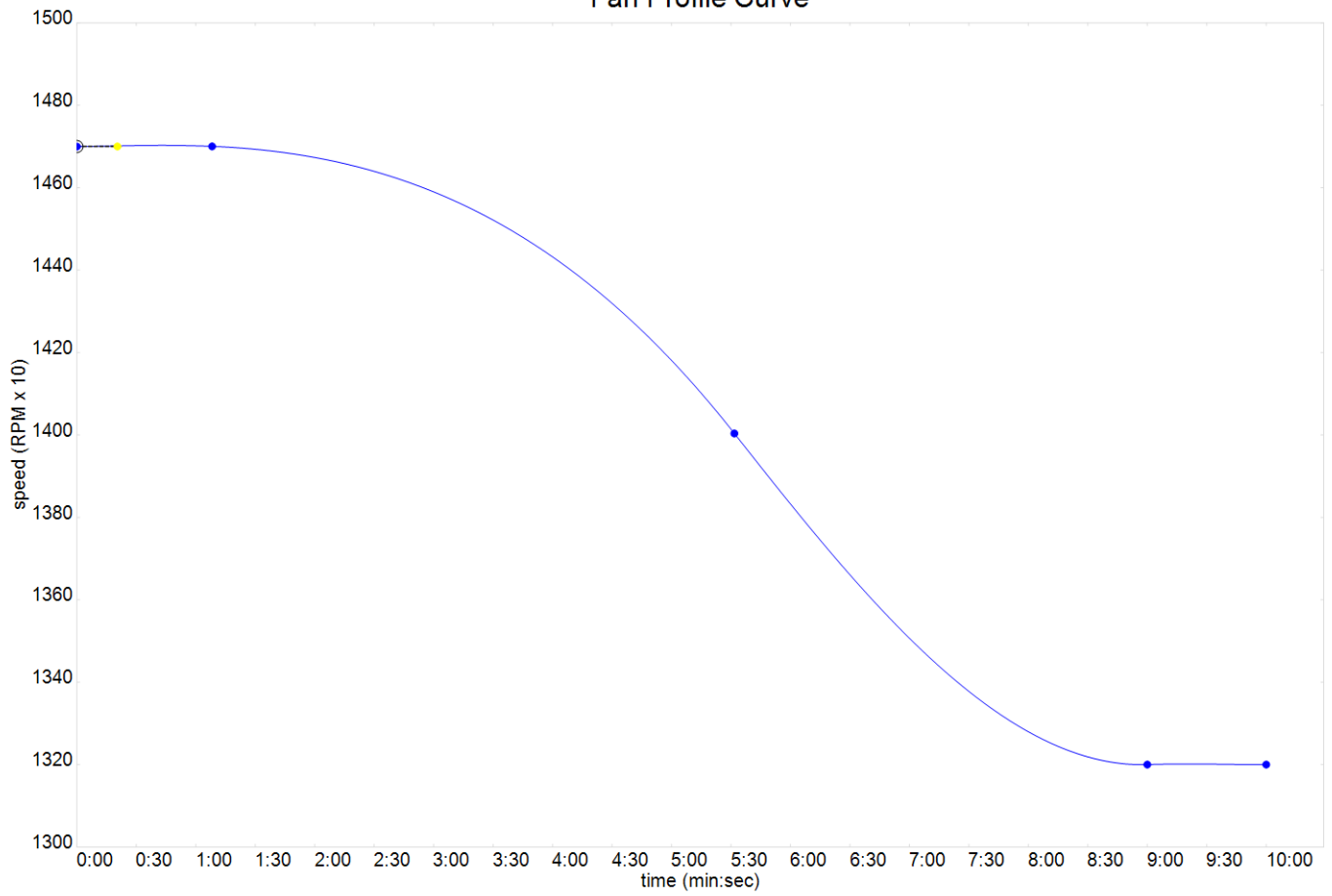
Expected colour change

Temperature	-
Time	-

Drying

Duration	-
Percent	-
Increase	-

Fan Profile Curve



About this file

Setting	Value
profile short name:	KL Explorer
profile designer:	Kaffellogic Ltd
profile file name:	
profile modified:	Built in profile

Profile settings

Setting	Value
profile schema version:	1.4
reference load size:	120
preheat power:	950
preheat nominal temperature:	240
preheat min power offset:	10
preheat min time:	0:20
preheat max time:	1:00
preheat check gradient time:	0:30
preheat target in future:	0:30
preheat mode:	5
preheat end detection count:	5
preheat temperature proximity:	8.5
roast required power:	1200
roast min desired rate of rise:	1.3
roast target in future:	0:25
roast use prediction method:	1
roast target timeshift:	0:01
roast end by time ratio:	0.333
roast PID Kp:	0.717
roast PID Ki:	0
roast PID Kd:	3.55
roast PID min i:	0
roast PID max i:	0
roast PID iLimitApplyAtZero:	1
roast PID differentialOnError:	1
specific heat adj upper temperature limit:	180
specific heat adj lower temperature limit:	80
specific heat adj multiplier Kp:	2.1
specific heat adj multiplier Kd:	4
zone1 time start:	0:00
zone1 time end:	0:00
zone1 multiplier Kp:	1
zone1 multiplier Kd:	1
zone1 boost:	0
zone2 time start:	0:00
zone2 time end:	0:00
zone2 multiplier Kp:	1
zone2 multiplier Kd:	1
zone2 boost:	0
zone3 time start:	0:00
zone3 time end:	0:00
zone3 multiplier Kp:	1

Setting	Value
zone3 multiplier Kd:	1
zone3 boost:	0
corner1 time start:	0:00
corner1 time end:	0:00
cooldown hi speed:	16500
cooldown lo speed:	16000
cooldown lo temperature:	100
roast levels:	212.0,214.0,216.0,218.0,221.0,224.0,226

Created by Kaffeologic Studio 7.3.9

kaffeologic.com