## Experiments performed on DeLight setup

	Power distribution	Fuel time	Reactivity	Pressure (MPa)	Kin core	Kout core	Ktop riser	Nature of the data
		constant (s)	feedback constant					
1	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.7	Open	Open	Open	Full plane scan
2	HPLWR distribution	4	3.5625 10 <sup>-5</sup>	5.7	Open	Open	Open	Full plane scan
3	HPLWR distribution	2	3.5625 10 <sup>-5</sup>	5.7	Open	Open	Open	Full plane scan
4	Uniform distribution	6	3.5625 10 <sup>-5</sup>	5.7	Open	Open	Open	Full plane scan
5	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.7	27	Open	Open	Full plane scan
6	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.7	Open	29	Open	Full plane scan
7	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.7	Open	Open	X	Full plane scan
8	HPLWR distribution	6	5 10 <sup>-5</sup>	5.7	Open	Open	Open	Full plane scan
9	HPLWR distribution	6	110 <sup>-4</sup>	5.7	Open	Open	Open	Full plane scan
10	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.48	Open	Open	Open	Full plane scan
11	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.6	Open	Open	Open	Line scan at Tin = -17°C
12	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.8	Open	Open	Open	Line scan at Tin = -17°C
13	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.7	62	Open	Open	Line scan at Tin = -6°C
14	HPLWR distribution	6	3.5625 10 <sup>-5</sup>	5.7	Open	10	Open	Line scan at Tin = -30°C