								To = hydrate onset temperature [oC]						Ta = rapid hydrate temperature [oC]						Diviations from average													
Expt Date	Chemical	C [ppm]	Duration [days]	Vol.[ml]	Rock Speed	Rock Angle	Ball	T_o1	T_o2	T_o3	T_o4	T_o5	Av To	Ta1	Ta2	Ta3	Ta4	Ta5	Av Ta	T_o1	T_o2	T_o3	T_o4	T_o5		Ta1	Ta2	Ta3	Ta4	Ta5	Av. To	Av.Ta	
01.12.2010	DI water		1	20	20	40	Steel	17.3	18.0	17.7	20.0	19.5	**18.5**	n/a	n/a	n/a	n/a	n/a	**n/a**	6.5	2.7	4.3	-8.1	-5.4							**5.4**		1
02.12.2010	DI water		1	20	20	40	Steel	18.9	18.5	18.2	18.3	18.8	**18.5**	n/a	n/a	n/a	n/a	n/a	**n/a**	-1.9	0.2	1.8	1.3	-1.4							**1.3**		2
01.02.2011	DI water		1	20	20	40	Steel	17.4	17.2	17.5	17.2	18.6	**17.6**							1.0	2.2	0.5	2.2	-5.8							**2.3**		3
																																	4
07.12.2010	Luvicap 55W	2500	1	20	20	40	Steel	9.2	8.8	9.2	8.4	8.4	**8.8**	6.0	6.0	5.9	5.9	6.0	**6.0**	-4.5	0.0	-4.5	4.5	4.5		-0.7	-0.7	1.0	1.0	-0.7	**3.6**	**0.8**	5
27.01.2011	Luvicap 55W	2500	1	20	20	40	Steel	7.0	n/a	7.0	7.1	7.4	**7.1**	5.9	n/a	5.8	5.8	5.8	**5.8**	1.8		1.8	0.4	-3.9		-1.3		0.4	0.4	0.4	**1.9**	**0.6**	6
28.01.2011	Luvicap 55W	2500	3	20	20	40	Steel	8.4	8.8	8.5	8.4	8.8	**8.6**	7.0	7.1	7.0	7.1	7.1	**7.1**	2.1	-2.6	0.9	2.1	-2.6		0.8	-0.6	0.8	-0.6	-0.6	**2.1**	**0.7**	7
03.02.2011	Luvicap 55W	2500	1	20	20	40	Steel	8.4	8.0	7.4	8.1	7.0	**7.8**	5.8	5.8	5.7	5.8	5.8	**5.8**	-8.0	-2.8	4.9	-4.1	10.0		-0.3	-0.3	1.4	-0.3	-0.3	**6.0**	**0.6**	8
03.12.2010	Luvicap 55W	5000	1	20	20	40	Steel	6.9	7.0	7.4	6.5	6.5	**6.9**	4.1	4.4	4.0	4.1	3.8	**4.1**	-0.6	-2.0	-7.9	5.2	5.2		-0.5	-7.8	2.0	-0.5	6.9	**4.2**	**3.5**	9
06.12.2010	Luvicap 55W	5000	1	20	20	40	Steel	6.9	8.0	7.2	6.4	6.1	**6.9**	4.0	4.3	3.8	4.3	3.5	**4.0**	0.3	-15.6	-4.0	7.5	11.8		-0.5	-8.0	4.5	-8.0	12.1	**7.9**	**6.6**	10
02.02.2011	Luvicap 55W	5000	1	20	20	40	Steel	6.8	6.8	6.8	6.2	6.2	**6.6**	3.5	3.5	3.5	3.3	3.7	**3.5**	-3.7	-3.7	-3.7	5.5	5.5		0.0	0.0	0.0	5.7	-5.7	**4.4**	**2.3**	11
04.03.2011	Luvicap 55W	5000	1	20	20	40	Steel	6.3	6.2	6.1	6.1	6.5	**6.2**	3.5	3.3	3.5	3.5	3.4	**3.4**	-1.0	0.6	2.2	2.2	-4.2		-1.7	4.1	-1.7	-1.7	1.2	**2.1**	**2.1**	12
04.02.2011	Luvicap 55W	5000	3	20	20	40	Steel	6.8	7.2	8.3	8.1	7.1	**7.5**	5.8	5.5	5.6	5.4	5.3	**5.5**	9.3	4.0	-10.7	-8.0	5.3		-5.1	0.4	-1.4	2.2	4.0	**7.5**	**2.6**	13
21.01.2011	Luvicap 55W	2500	1	20	20	40	Glass	7.0	8.0	6.8	7.0	8.0	**7.4**	5.8	5.8	5.8	5.8	5.8	**5.8**	4.9	-8.7	7.6	4.9	-8.7		0.0	0.0	0.0	0.0	0.0	**7.0**	**0.0**	14
20.01.2011	Luvicap 55W	5000	1	20	20	40	Glass	5.7	5.8	5.4	6.0	5.6	**5.7**	3.4	3.5	3.2	3.5	3.4	**3.4**	0.0	-1.8	5.3	-5.3	1.8		0.0	-2.9	5.9	-2.9	0.0	**2.8**	**2.4**	15
14.02.2011	Luvicap 55W	2500	1	20	10	40	Steel	n/a	n/a	n/a	8.6	8.4	**8.5**	n/a	n/a	n/a	6.1	6.0	**6.1**				-1.2	1.2					-0.8	0.8	**1.2**	**0.8**	16
23.02.2011	Luvicap 55W	2500	1	20	10	40	Steel	8.2	8.2	8.7	8.1	7.2	**8.1**	5.9	5.8	5.8	5.7	6.0	**5.8**	-1.5	-1.5	-7.7	-0.2	10.9		-1.0	0.7	0.7	2.4	-2.7	**4.4**	**1.5**	17
21.02.2011	Luvicap 55W	5000	1	20	10	40	Steel	5.3	5.9	5.7	5.3	5.8	**5.6**	3.7	3.4	3.6	3.8	3.8	**3.7**	5.4	-5.4	-1.8	5.4	-3.6		-1.1	7.1	1.6	-3.8	-3.8	**4.3**	**3.5**	18
02.03.2011	Luvicap 55W	2500	1	20	20	25	Steel	7.4	8.0	7.8	6.9	7.0	**7.4**	5.5	6.0	5.8	5.9	5.7	**5.8**	0.3	-7.8	-5.1	7.0	5.7		4.8	-3.8	-0.3	-2.1	1.4	**5.2**	**2.5**	19
03.03.2011	Luvicap 55W	5000	1	20	20	25	Steel	6.9	5.8	6.0	6.1	6.3	**6.2**	3.9	3.4	3.4	3.6	3.6	**3.6**	-10.9	6.8	3.5	1.9	-1.3		-8.9	5.0	5.0	-0.6	-0.6	**4.9**	**4.0**	20
08.03.2011	Luvicap 55W	2500	1	10	20	40	Steel	8.0	8.3	8.2	8.6	8.2	**8.3**	6.3	6.8	6.7	6.9	6.8	**6.7**	3.1	-0.5	0.7	-4.1	0.7		6.0	-1.5	0.0	-3.0	-1.5	**1.8**	**2.4**	21
09.03.2011	Luvicap 55W	5000	1	10	20	40	Steel	6.9	6.4	6.0	5.9	6.4	**6.3**	4.3	4.2	4.1	4.2	4.8	**4.3**	-9.2	-1.3	5.1	6.6	-1.3		0.5	2.8	5.1	2.8	-11.1	**4.7**	**4.4**	22
10.03.2011	Luvicap 55W	2500	1	30	20	40	Steel	6.3	6.8	6.4	6.4	6.3	**6.4**	5.0	5.0	5.0	5.0	5.0	**5.0**	2.2	-5.6	0.6	0.6	2.2		0.0	0.0	0.0	0.0	0.0	**2.2**	**0.0**	23
14.03.2011	Luvicap 55W	5000	1	30	20	40	Steel	4.4	4.9	4.9	4.8	5.1	**4.8**	2.2	2.3	2.0	2.3	2.0	**2.2**	8.7	-1.7	-1.7	0.4	-5.8		-1.9	-6.5	7.4	-6.5	7.4	**3.7**	**5.9**	24
15.03.2011	Luvicap 55W	2500	8hrs	20	20	40	Steel	6.1	6.0	5.9	5.8	6.0	**6.0**	5.0	4.8	4.9	4.8	4.9	**4.9**	-2.3	-0.7	1.0	2.7	-0.7		-2.5	1.6	-0.4	1.6	-0.4	**1.5**	**1.3**	25
16.03.2011	Luvicap 55W	5000	8hrs	20	20	40	Steel	5.0	4.2	3.8	4.2	4.3	**4.3**	2.8	2.3	2.5	2.7	2.5	**2.6**	-16.3	2.3	11.6	2.3	0.0		-9.4	10.2	2.3	-5.5	2.3	**6.5**	**5.9**	26
09.04.2011	Luvicap 55W	1000	1	20	20	40	Steel	10.3	9.4	10.8	10.0	10.4	**10.2**	9.7	9.0	10.0	9.6	9.3	**9.5**	-1.2	7.7	-6.1	1.8	-2.2		-1.9	5.5	-5.0	-0.8	2.3	**3.8**	**3.1**	27
10.04.2011	Luvicap 55W	10000	1	20	20	40	Steel	4.3	6.2	6.3	4.3	4.8	**5.2**	2.0	2.0	2.0	2.0	2.2	**2.0**	17.0	-19.7	-21.6	17.0	7.3		2.0	2.0	2.0	2.0	-7.8	**16.5**	**3.1**	28
																																	29
08.12.2010	Luvicap EG	2500	1	20	20	40	Steel	10.2	10.2	10.2	10.2	10.2	**10.2**	8.0	8.0	8.8	8.0	8.0	**8.2**	0.0	0.0	0.0	0.0	0.0		2.0	2.0	-7.8	2.0	2.0	**0.0**	**3.1**	30
15.12.2010	Luvicap EG	5000	1	20	20	40	Steel	7.4	7.7	8.0	6.8	6.7	**7.3**	6.7	7.0	6.8	4.4	4.7	**5.9**	-1.1	-5.2	-9.3	7.1	8.5		-13.2	-18.2	-14.9	25.7	20.6	**6.2**	**18.5**	31
14.12.2010	Luvicap EG	2500	1	20	20	40	Glass	9.4	9.5	9.7	9.4	9.3	**9.5**	8.7	8.8	8.7	8.8	8.7	**8.7**	0.6	-0.4	-2.5	0.6	1.7		0.5	-0.7	0.5	-0.7	0.5	**1.2**	**0.5**	32
18.01.2011	Luvicap EG	5000	1	20	20	40	Glass	7.4	7.7	7.0	6.4		**7.1**	6.8	7.0	6.8	4.8		**6.4**	-3.9	-8.1	1.8	10.2			-7.1	-10.2	-7.1	24.4		**6.0**	**12.2**	33
																																	34
10.01.2011	New Luvicap EG	2500	1	20	20	40	Steel	8.1	9.3	8.8	8.7	8.7	**8.7**	7.9	8.0	8.0	8.2	8.2	**8.1**	7.1	-6.7	-0.9	0.2	0.2		2.0	0.7	0.7	-1.7	-1.7	**3.0**	**1.4**	35
12.01.2011	New Luvicap EG	5000	1	20	20	40	Steel	6.6	6.9	6.3	5.7	7.0	**6.5**	6.4	6.8	6.1	5.3	6.9	**6.3**	-1.5	-6.2	3.1	12.3	-7.7		-1.6	-7.9	3.2	15.9	-9.5	**6.2**	**7.6**	36
14.01.2011	New Luvicap EG	2500	1	20	20	40	Glass	8.7	8.5	9.4	8.8	8.3	**8.7**	8.0	8.0	8.0	8.0	8.0	**8.0**	0.5	2.7	-7.6	-0.7	5.0		0.0	0.0	0.0	0.0	0.0	**3.3**	**0.0**	37
17.01.2011	New Luvicap EG	5000	1	20	20	40	Glass	5.9	6.1	6.1	5.1	5.7	**5.8**	5.8	6.0	6.0	4.2	5.3	**5.5**	-2.1	-5.5	-5.5	11.8	1.4		-6.2	-9.9	-9.9	23.1	2.9	**5.3**	**10.4**	38
																																	39
07.02.2011	New Luvicap EG + TBAB	2500	1	20	20	40	Steel	6.3	7.0	6.8	7.0	6.1	**6.6**	5.9	6.2	6.2	6.2	5.9	**6.1**	5.1	-5.4	-2.4	-5.4	8.1		3.0	-2.0	-2.0	-2.0	3.0	**5.3**	**2.4**	40
25.01.2011	New Luv.EG+BGE	2500	1	20	20	40	Steel	7.5	7.7	7.3	7.4	7.3	**7.4**	4.0	4.0	4.1	4.0	4.1	**4.0**	-0.8	-3.5	1.9	0.5	1.9		1.0	1.0	-1.5	1.0	-1.5	**1.7**	**1.2**	41
26.01.2011	New Luv.EG+BGE	5000	1	20	20	40	Steel	3.3	3.3	3.4	3.0	3.0	**3.2**	2.6	2.6	2.7	2.7	2.7	**2.7**	-3.1	-3.1	-6.2	6.3	6.3		2.3	2.3	-1.5	-1.5	-1.5	**5.0**	**1.8**	42
																																	43
09.12.2010	Inhibex 101	2500	1	20	20	40	Steel	7.0	7.2	5.7	5.6	5.2	**6.1**	3.4	3.5	3.3	3.1	3.2	**3.3**	-14.0	-17.3	7.2	8.8	15.3		-3.0	-6.1	0.0	6.1	3.0	**12.5**	**3.6**	44
17.12.2010	Inhibex 101	5000	1	20	20	40	Steel	3.7	2.8	2.9	n/a	n/a	**3.1**	n/a	n/a	n/a	n/a	n/a	-	-18.1	10.6	7.4									**12.1**		45
18.12.2010	Inhibex 101	5000	1	20	20	40	Steel	14.4	11.7	13.0	11.7	9.8	**12.1**	n/a	n/a	n/a	n/a	n/a	-	-18.8	3.5	-7.3	3.5	19.1							**10.4**		46
10.12.2010	Inhibex 101	2500	1	20	20	40	Steel	7.5	7.0	6.2	5.5	5.0	**6.2**	3.5	3.4	3.4	3.0	3.2	**3.3**	-20.2	-12.2	0.6	11.9	19.9		-6.1	-3.0	-3.0	9.1	3.0	**12.9**	**4.8**	47
11.12.2010	Inhibex 101	2500	1	20	20	40	Steel	11.8	11.5	11.0	10.7	10.6	**11.1**	3.0	2.9	3.0	3.0	3.0	**3.0**	-6.1	-3.4	1.1	3.8	4.7		-0.7	2.7	-0.7	-0.7	-0.7	**3.8**	**1.1**	48
12.12.2010	Inhibex 101	2500	1	20	20	40	Steel	11.2	10.0	10.2	10.0	10.0	**10.3**	2.9	2.8	3.0	n/a	n/a	**2.9**	-8.9	2.7	0.8	2.7	2.7		0.0	3.4	-3.4			**3.6**	**2.3**	49
13.12.2010	Inhibex 101	2500	1	20	20	40	Glass	7.0	5.5	5.8	5.8	5.7	**6.0**	3.5	3.3	3.2	3.5	3.5	**3.4**	-17.4	7.7	2.7	2.7	4.4		-2.9	2.9	5.9	-2.9	-2.9	**7.0**	**3.5**	50
13.01.2011	Inhibex 101	5000	1	20	20	40	Glass	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a	n/a	n/a	**n/a**														51
22.02.2011	Inhibex 101	2500	1	20	20	40	Steel	5.0	5.0	4.8	5.1	4.2	**4.8**	3.0	3.0	3.0	3.0	3.7	**3.1**	-3.7	-3.7	0.4	-5.8	12.9		4.5	4.5	4.5	4.5	-17.8	**5.3**	**7.1**	52
18.02.2011	Inhibex 101	2500	3	20	20	40	Steel	6.2	6.1	5.3	6.3	6.4	**6.1**	5.3	5.2	5.0	5.5	5.4	**5.3**	-2.3	-0.7	12.5	-4.0	-5.6		-0.4	1.5	5.3	-4.2	-2.3	**5.0**	**2.7**	53
																																	54
03.01.2011	Inhibex 501	2500	1	20	20	40	Steel	8.8	8.7	7.6	8.4	8.7	**8.4**	5.2	5.1	4.6	4.8	5.0	**4.9**	-4.3	-3.1	10.0	0.5	-3.1		-5.3	-3.2	6.9	2.8	-1.2	**4.2**	**3.9**	55
06.01.2011	Inhibex 501	5000	1	20	20	40	Steel	8.7	6.8	7.0	6.0	7.0	**7.1**	2.6	2.4	2.4	2.4	2.4	**2.4**	-22.5	4.2	1.4	15.5	1.4		-6.6	1.6	1.6	1.6	1.6	**9.0**	**2.6**	56
11.01.2011	Inhibex 501	2500	1	20	20	40	Glass	6.4	6.3	6.9	6.6	8.5	**6.9**	4.6	4.6	4.6	4.5	4.6	**4.6**	7.8	9.2	0.6	4.9	-22.5		-0.4	-0.4	-0.4	1.7	-0.4	**9.0**	**0.7**	57
24.01.2011	Inhibex 501	5000	1	20	20	40	Glass	4.3	4.8	4.8	5.2	5.8	**5.0**	2.0	2.0	2.0	2.0	2.0	**2.0**	13.7	3.6	3.6	-4.4	-16.5		0.0	0.0	0.0	0.0	0.0	**8.4**	**0.0**	58
																																	59
28.02.2011	PVP Plasdone 4k (Mw=4000)	5000	1	20	20	40	Steel	10.3	10.3	12.0	12.2	10.8	**11.1**	10.1	10.3	11.7	11.9	10.3	**10.9**	7.4	7.4	-7.9	-9.7	2.9		7.0	5.2	-7.7	-9.6	5.2	**7.1**	**6.9**	60
02.05.2011	PVP 30k (Mw=60 000)	5000	1	20	20	40	Steel	11.3	13.0	12.8	12.9	11.0	**12.2**	11.0	12.4	12.2	12.3	10.4	**11.7**	7.4	-6.6	-4.9	-5.7	9.8		5.7	-6.3	-4.6	-5.5	10.8	**6.9**	**6.6**	61
01.03.2011	PVP 120k (Mw=3 mill)	5000	1	20	20	40	Steel	13.4	13.4	14.0	13.9	13.2	**13.6**	12.8	13.0	13.0	13.0	12.5	**12.9**	1.3	1.3	-3.1	-2.4	2.8		0.5	-1.1	-1.1	-1.1	2.8	**2.2**	**1.3**	62
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	

Maximum divagation	25.7 %	
Total	501 cell results	
Divagation of more than 10 % COUNTIFS(V3:AF64;"<10";V3:AF64;">-10")	453	9.6 %
Divagation of more than 20 % COUNTIFS(V3:AF64;"<20";V3:AF64;">-20")	493	1.6 %
Divagation of more than 30 % COUNTIFS(V3:AF64;"<30";V3:AF64;">-30")	501	0 %
Average divagation AVERAGE(AA3:AA64;AG7:AG64)		4.4 %