10 ¹² ·	$M_{\rm L} = 0.5 M_{\rm W} = 0.7$	-	$M_{\rm L}$ =0.3 $M_{\rm w}$ =0.6	$M_{\rm L}$ =0.6 $M_{\rm W}$ =0.9	$M_{L}=0.7 M_{W}=0.8$	$M_{L}=0.6 M_{w}=0.7$	$M_{L}=1.1 M_{W}=1.0$	$M_{L}=0.4 M_{W}=0.7$
10^{10} .	f _c =50.1 Hz		f _c =52.0 Hz	f _c =35.4 Hz	f _c =48.0 Hz	f _c =45.1 Hz	f _c =41.1 Hz	f _c =36.7 Hz
	2018156105500	2018156132827	2018157010141	2018157013858	2018157121700	2018158072013	2018158204112	2018159000959
10 ¹² ·	$M_L=0.3 M_w=0.5$ $f_c=51.4 Hz$	$M_L=0.8 M_w=0.9$ $f_c=51.9 \text{ Hz}$	$M_L=0.8 M_w=1.0$ $f_c=37.9 \text{ Hz}$	$M_L=0.5 M_w=0.7$ $f_c=49.1 \text{ Hz}$	$M_L=0.6 M_w=0.7$ $f_c=56.8 Hz$	$M_{L}=0.5 M_{W}=0.7$ $f_{c}=48.5 Hz$	$M_{L}=1.0 M_{W}=1.4$ $f_{c}=33.2 Hz$	$-\frac{M_{L}=0.9 \ M_{w}=1.1}{f_{c}=34.2 \ Hz}$
10^{10} .							-	
	2018159011231	2018159035257	2018159044000	2018159120046	2018159152310	2018160051518	2018160054115	2018160102510
10 ¹² ·	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=45.9 Hz$	M_L =0.4 M_w =0.5 f_c =62.7 Hz	$M_L = 0.3 M_w = 0.5$ $f_c = 49.7 \text{ Hz}$	$M_L = 0.6 M_w = 0.9$ $f_c = 37.5 Hz$	$M_L=0.6 M_w=0.7$ $f_c=56.8 Hz$	$M_L=0.8 M_w=0.9$ $f_c=50.9 Hz$	$M_L=0.2 M_W=0.3$ $f_c=73.4 Hz$	M _L =1.4 M _w =1.6
10 ¹⁰ ·							-	-
	2018160135358	2018160181943	2018160211026	2018161004449	2018161102425	2018161172544	2018162012825	2018162052548
10 ¹² ·	M_L =0.6 M_w =0.6 f_c =61.3 Hz	$M_L=0.6 M_w=0.6$ $f_c=49.8 \text{ Hz}$	$M_L=0.7 M_w=0.8$ $f_c=52.5 Hz$	-	$M_L=0.9 M_W=1.1$ $f_c=37.0 Hz$	$M_L=0.7 M_w=0.8$ $f_c=49.5 Hz$	$M_L = 0.9 M_w = 1.1$ $f_c = 37.4 \text{ Hz}$	$M_L=0.7 M_w=0.8$ $f_c=42.8 \text{ Hz}$
10 ¹⁰ -				-	-			-
	2018162102701	2018162103517	2018162124708	2018162134139	2018162195803	2018162224749	2018163001121	2018163031320
10 ¹²		$M_L=0.5 M_w=0.7$ $f_c=38.7 Hz$	$M_L=1.1 M_w=1.3$ $f_c=30.7 Hz$	$M_L=1.0 M_w=1.3$ $f_c=29.3 Hz$	$M_L=0.7 M_w=0.7$ $f_c=53.6 Hz$	M_L =0.5 M_w =0.6 f_c =43.9 Hz	M_L =0.2 M_w =0.4 f_c =54.6 Hz	$M_L=0.4 M_w=0.6$ $f_c=59.0 \text{ Hz}$
10 ¹⁰ ·	-		-	-	-		-	
	2018163115829	2018163132124	2018164031000	2018165002042	2018165152357	2018165200500	2018166021841	2018166111647
10 ¹² ·	M_L =1.0 M_W =1.1 f_c =45.7 Hz	$M_L=0.4 M_w=0.6$ $f_c=37.9 Hz$	$M_L = 0.6 M_w = 0.7$ $f_c = 34.9 \text{ Hz}$	$M_L=0.4 M_w=0.6$ $f_c=56.3 \text{ Hz}$	M_L =0.6 M_w =0.7 f_c =50.1 Hz	$M_L=0.4 M_W=0.3$ $f_c=59.2 Hz$	$M_L=0.4 M_W=0.5$ $f_c=49.6 Hz$	$M_L = 0.8 M_W = 1.0$ $f_c = 32.4 \text{ Hz}$
10 ¹⁰ ·						-		
10 ¹² -	2018168094946	2018168112428	2018169024000	2018169033430	2018169042045	2018169213726	2018169230658	2018170012100
	M_{L} =0.6 M_{w} =0.7 f_{c} =51.7 Hz	$M_L=0.4 M_w=0.7$ $f_c=32.4 Hz$			$M_L = 0.8 M_W = 0.9$ $f_c = 45.2 \text{ Hz}$	M_{L} =0.7 M_{w} =0.8 f_{c} =35.0 Hz	$M_L = 0.7 \ M_w = 0.7 \ f_c = 36.9 \ Hz$	$M_L = 0.5 M_W = 0.6$ $f_c = 41.9 \text{ Hz}$
10 ¹⁰ ·	2018170013500	2018170022530	2018170070706	2018170141444	2018170145100	2018170191546	2018170200105	2018170210141
10 ¹² ·	$M_{L}=1.3 M_{W}=1.6$	$M_{L}=0.8 M_{W}=0.9$	$M_{L}=0.8 M_{W}=1.0$	-	$M_{L}=0.7 M_{W}=0.8$	$M_{L}=0.8 M_{W}=0.9$	$M_{L}=0.6 M_{W}=0.6$	$M_{L}=0.6 M_{W}=0.6$
10^{10} .	6-31.61tz -	f _c =32.7 Hz	f _c =31.6 Hz		f _c =47.4 Hz	f _c =38.5 Hz	f _c =53.3 Hz	f _c =54.5 Hz
	2018171001230	2018171003700	2018171005900	2018171034700	2018171100309	2018171100500	2018171101020	2018171113245
10 ¹² ·		$M_{L}=0.8 M_{W}=1.0$ $f_{c}=43.9 \text{ Hz}$	$M_{L}=1.1 M_{W}=1.3$ $f_{c}=29.6 \text{ Hz}$	16 M _W =1.9	$M_{L}=0.4 M_{W}=0.6$ $f_{c}=48.5 Hz$	$M_{L}=0.8 \ M_{W}=1.0 \ f_{c}=28.7 \ Hz$	$M_{L}=0.5 M_{W}=0.6$ $f_{c}=43.2 Hz$	-
10 ¹⁰ ·	-	r _c =43.9 HZ	r _c =29.6 HZ	, 4 Hz	1 _C =46.5 HZ	1 _C =28./ HZ	1c=45.2 HZ	-
	2018171120032	2018171170704	2018171173814	2018171232614	2018171233929	2018172001100	2018172010600	2018172041700
10 ¹² ·	$M_{L}=0.6 M_{W}=0.6$ $f_{c}=48.9 \text{ Hz}$	$M_L=0.8 M_W=0.9$ $f_c=47.8 Hz$	M _L =1.2 M _W =1.5 €=31 6 Hz	$M_{L}=0.8 M_{W}=1.0$ $f_{c}=32.5 Hz$	$M_L=0.8 M_w=0.9$ $f_c=40.3 Hz$	$M_L = 0.7 M_w = 0.8$ $f_C = 46.2 \text{ Hz}$	$M_L = 0.4 M_W = 0.5$ $f_c = 55.5 Hz$	$M_L=1.0 M_w=1.3$ $f_c=23.4 Hz$
10 ¹⁰ ·		-	- The state of the	-	-	-		- See
	2018172070230	2018172090030	2018172175518	2018172180735	2018172183326	2018172230708	2018172234909	2018173042858
10 ¹² ·	$M_{L}=0.9 M_{w}=1.0$ $f_{c}=36.2 Hz$	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=35.8 Hz$	$M_L=0.9 M_W=1.0$ $f_c=44.9 \text{ Hz}$	$M_L=0.5 M_w=0.6$ $f_c=42.4 \text{ Hz}$	M_L =1.0 M_w =1.2 f_c =32.7 Hz	$M_L=1.1 M_w=1.4$ $f_c=27.5 Hz$	$M_L=0.0 M_W=0.7$ $f_c=42.0 \text{ Hz}$	$M_L=0.6 M_w=0.7$ $f_c=41.0 Hz$
10 ¹⁰ ·	-	-				-		-
	2018173043508	2018173072237	2018173130130	2018173142304	2018173151655	2018173181236	2018173191258	2018173214953
10 ¹² ·	M_{L} =0.8 M_{w} =1.0 f_{c} =32.1 Hz	$M_{L}=0.7 M_{w}=0.8$ $f_{c}=42.9 Hz$	M_{L} =0.9 M_{w} =1.0 f_{c} =28.0 Hz	$M_L=1.0 M_w=1.2$ $f_c=35.6 Hz$	$M_L = 0.7 M_w = 0.8$ $f_c = 52.9 \text{ Hz}$	$M_L=1.1 M_w=1.3$ $f_c=36.2 Hz$	$M_L=0.6 M_w=0.6$ $f_c=52.1 Hz$	$M_L = 0.5 M_w = 0.6$ $f_c = 50.2 \text{ Hz}$
10 ¹⁰ ·	-			-	-			
1012	2018173220003	2018174040400	2018174043300	2018174062000	2018174064100	2018174085934	2018174131934	2018174154112
10 ¹² ·	$M_L=1.1 M_w=1.2$ $f_c=28.7 \text{ Hz}$		M_L =0.4 M_w =0.6 f_c =46.6 Hz	$M_{L}=0.8 M_{W}=1.0$ $f_{c}=28.1 \text{ Hz}$	$M_L = 0.5 M_W = 0.6$ $f_c = 45.0 \text{ Hz}$	M_{L} =0.8 M_{W} =0.9 f_{c} =44.0 Hz	$M_L=0.5 M_w=0.7$ $f_c=52.5 Hz$	$M_L=0.7 M_w=0.8$ $f_c=36.8 \text{ Hz}$
(E 10 ¹⁰ ·	2019175062422	2019175071712	2019175122750	2019176001912	2019176155952	2019176170554	2019176210520	2019177104720
ctrum &M (Nm) 10 ₁₅ .	2018175062422 	2018175071713 	2018175132759 	2018176001813 	2018176155852 M _L =0.9 M _w =1.0	2018176170554 	2018176210520 	2018177104730
spe	$f_c = 52.7 \text{ Hz}$	f _c =35.8 Hz	f _c =38.2 Hz	f = 32.7 Hz	f_{c} =32.3 Hz	7 Mw-1.9 f _c -01.4 Hz	70[-1.5 M _W -1.6 -25.5 Hz	$f_c = 28.6 \text{ Hz}$
source displacement 10^{10}	2018178152609	2018178222942	2018179053245	2018179233042	2018180013150	2018180040100	2018180094138	2018181040940
eldsip 10 ¹²	$M_{\perp} = 1.4 M_{\rm w} = 1.6$	M _L =0.8 M _w =1.1	$M_{L}=0.8 M_{w}=1.0$	M _L =1.0 M _w =1.2	M _L =1.1 M _w =1.3	M _L =0.8 M _w =1.0	$M_{L}=0.9 M_{W}=1.0$	$M_{L}=0.7 M_{W}=0.9$
00 nos 10 ¹⁰ .	34.6 H2	f _c =31.9 Hz	f _c =40.2 Hz	f _c =33.4 Hz	f _c =27.9 Hz	f _c =32.0 Hz	f _c =40.6 Hz	f _c =33.6 Hz
	2018181065239	2018181192300	2018182124340	2018182203248	2018182212250	2018182233301	2018183155952	2018183202531
10 ¹² ·	$M_L=1.0 M_w=1.2$ $f_c=26.9 \text{ Hz}$	$M_L=0.6 M_w=0.7$ $f_c=40.7 Hz$	$M_L=1.1 M_w=1.2$ $f_c=32.5 Hz$	$M_L=1.2 M_W=1.4$ $f_c=25.9 \text{ Hz}$	$M_L=0.9 M_w=1.1$ $f_c=33.4 Hz$	$M_{L}=1.1 \ M_{W}=1.2 \ f_{c}=31.5 \ Hz$	$M_L=1.1 M_w=1.0$ $f_c=36.9 Hz$	$M_{L}=0.7 M_{w}=0.9$ $f_{c}=38.2 Hz$
10 ¹⁰ ·			-		-000000	-000005		
	2018183215029	2018184003003	2018184201046	2018184202906	2018185001326	2018185014623	2018185034551	2018185120950
10 ¹² ·	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=38.4 Hz$	$M_L=0.7 M_w=0.8$ $f_c=40.1 Hz$	M _L =1.4 M _w =1.6	-	$M_L=0.8 M_w=0.9$ $f_c=40.3 Hz$	$M_L=0.9 M_w=1.0$ $f_c=35.0 Hz$	$M_L=0.5 M_w=0.6$ $f_c=43.4 Hz$	$M_L=0.7 M_w=0.7$ $f_c=38.6 Hz$
10 ¹⁰ -			-	_	-			
	2018185145450	2018185155423	2018186070100	2018186092109	2018186115357	2018186131522	2018186202646	2018186215007
10 ¹² ·	$M_L = 0.6 M_w = 0.7$ $f_c = 39.1 \text{ Hz}$	$M_L=0.6 M_w=0.6$ $f_c=46.9 Hz$	M _L =1.3 M _w =1.6	$M_L = 0.8 M_w = 1.0$ $f_c = 29.4 \text{ Hz}$	M_{L} =0.6 M_{w} =0.8 f_{c} =31.8 Hz	$M_{\rm L}$ =1.4 $M_{\rm W}$ =1.6	$M_L=1.0 M_W=1.2$ $f_c=34.1 Hz$	$M_L = 0.7 M_W = 0.8$ $f_c = 44.5 \text{ Hz}$
10 ¹⁰ ·	-		-	-			-	
1012	2018187034808	2018187062657	2018187084836	2018188142051	2018188161324	2018188173124	2018188175428	2018188193122
10 ¹² ·	M_{L} =0.7 M_{w} =0.8 f_{c} =38.1 Hz	$M_{L}=0.8 M_{W}=1.1$ $f_{c}=30.6 Hz$	$M_L = 0.7 M_w = 0.9$ $f_c = 29.1 \text{ Hz}$	M_L =0.6 M_w =0.8 f_c =49.7 Hz	$M_L = 0.7 M_w = 0.7$ $f_c = 46.2 \text{ Hz}$	$M_L = 0.6 M_w = 0.7$ $f_c = 42.0 \text{ Hz}$	$M_L=0.4 M_w=0.6$ $f_c=46.8 \text{ Hz}$	$M_L = 0.5 M_w = 1.0$ $f_c = 34.6 \text{ Hz}$
10 ¹⁰ -	2018188202905	2018188214438	2018188214700	2018188214802	2018189060720	2018189070845	2018189095118	2018189132738
10 ¹² -	M _L =0.8 M _w =1.0	M _L =0.8 M _w =0.9	M _L =0.6 M _w =0.8	M _L =0.8 M _w =1.1	$M_{L}=0.6 M_{W}=0.8$	2018169070845 	M _L =0.5 M _w =0.5	M _L =0.6 M _w =0.7
10 ¹⁰ .	$M_{L}=0.6 M_{W}=1.0 f_{c}=34.0 Hz$	f _c =35.9 Hz	$m_{L}=0.6 M_{W}=0.8$ $f_{c}=33.5 Hz$	$M_{L} = 0.6 M_{W} = 1.1$ $f_{c} = 32.6 \text{ Hz}$	$f_{c}=44.4 \text{ Hz}$	f _c = 0.5 Hz	$f_c = 45.8 \text{ Hz}$	$f_c = 0.6 \text{ M}_W = 0.7$ $f_c = 41.8 \text{ Hz}$
	2018189132728	2018189142028	2018189152317	2018189160854	2018189163251	2018189173537	2018189195043	2018190005253
10 ¹² ·	$M_{L}=1.1 M_{W}=1.3$ $f_{c}=36.7 \text{ Hz}$	$M_{L}=0.3 M_{w}=0.5$ $f_{c}=43.6 \text{ Hz}$	$M_{L}=0.8 M_{W}=0.9$ $f_{c}=38.0 \text{ Hz}$	M _L =1.3 M _w =1.6	$M_{L}=0.5 M_{W}=0.5$ $f_{c}=52.5 Hz$	$M_{L}=0.6 M_{W}=0.8$ $f_{c}=38.4 \text{ Hz}$	$M_{L}=1.3 M_{W}=1.6$	$M_L=0.8 M_w=0.9$ $f_c=37.7 Hz$
10 ¹⁰ ·	1000000 Toler		-	-				
	2018190020811	2018190025747	2018190155046	2018193142500	2018193204529	2018194085018	2018194133411	2018195011432
10 ¹² ·	$M_L=0.6 M_w=0.6$ $f_c=47.6 Hz$	$M_{L}=0.9 M_{W}=1.2$	$M_{L}=0.5 M_{W}=0.6$	$M_L = 0.6 M_w = 0.7$ $f_c = 36.7 \text{ Hz}$	$M_L=0.8 M_w=0.9$ $f_c=34.3 Hz$	$M_L=0.8 M_w=1.0$ $f_c=31.5 Hz$		$M_L=0.7 M_w=0.9$ $f_c=43.3 Hz$
10 ¹⁰	_	f _c =26.2 Hz	f _c =55.7 Hz	76-30.7 112		'	•	
		f _c =26.2 Hz	I _c =55./ H2		-			
	2018195074501	2018195123640	2018195172331	2018195195343	2018196003937	2018196010738	2018196071020	2018196133941
10 ¹² ·	2018195074501 M _L =0.7 M _w =0.7 f _c =52.6 Hz				2018196003937 	2018196010738 		2018196133941
	$M_{L}=0.7 M_{W}=0.7$ $f_{c}=52.6 Hz$	2018195123640 M _L =0.7 M _w =0.9 f _c =41.0 Hz	2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz	$M_{L}=0.6 M_{W}=0.8 \\ f_{c}=38.9 \text{ Hz}$	$f_c = 0.9 \text{ Hz}$	M_{L} =0.9 M_{W} =1.1 f_{c} =36.9 Hz	2018196071020 M _L =0.6 M _w =0.7 f _c =48.0 Hz	M _L =1.3 M _w =1.6 =2T.4 H2
10 ¹² ·	M _L =0.7 M _w =0.7 f _c =52.6 Hz	2018195123640 $M_L = 0.7 M_w = 0.9$ $f_c = 41.0 \text{ Hz}$ 2018197015541	2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz	2018195195343 M_L =0.6 M_w =0.8 f_c =38.9 Hz 2018197091659	2018197172535	M _L =0.9 M _w =1.1 f _c =36.9 Hz	2018196071020 M _L =0.6 M _w =0.7 f _c =48.0 Hz 2018199080816	M _L =1.3 M _w =1.6 =2T.4 H2 2018199104200
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{$	$M_{L}=0.7 M_{W}=0.7$ $f_{c}=52.6 Hz$	2018195123640 M _L =0.7 M _w =0.9 f _c =41.0 Hz	2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz	$M_{L}=0.6 M_{W}=0.8 \\ f_{c}=38.9 \text{ Hz}$	$f_c = 0.9 \text{ Hz}$	M_{L} =0.9 M_{W} =1.1 f_{c} =36.9 Hz	2018196071020 M _L =0.6 M _w =0.7 f _c =48.0 Hz	M _L =1.3 M _w =1.6 =2T.4 H2
$10^{12} \cdot 10^{10} \cdot 10^{$	M _L =0.7 M _w =0.7 f _c =52.6 Hz 2018196200450 M _L =0.9 M _w =1.2	$M_{L}=0.7 M_{w}=0.9$ $f_{c}=41.0 \text{ Hz}$ 2018197015541 $M_{L}=0.7 M_{w}=0.8$	2018195172331 M_L =0.6 M_w =0.6 f_c =49.0 Hz 2018197070436 M_L =0.5 M_w =0.6	$M_{L}=0.6 M_{W}=0.8$ $f_{c}=38.9 \text{ Hz}$ 2018197091659 $M_{L}=0.5 M_{W}=0.6$	$M_{L}=1.2 M_{W}=1.5$	M _L =0.9 M _w =1.1 f _c =36.9 Hz 2018197183626 M _L =0.5 M _w =0.7	$M_{L}=0.6 M_{W}=0.7 f_{c}=48.0 \text{ Hz}$ 2018199080816 $M_{L}=0.5 M_{W}=0.6$	$M_{L}=1.3 M_{w}=1.6$ $=2T.4 H2$ $=2018199104200$ $=2018199104200$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{$	$M_{L}=0.7 M_{W}=0.7$ $f_{c}=52.6 \text{ Hz}$ 2018196200450 $M_{L}=0.9 M_{W}=1.2$ $f_{c}=30.4 \text{ Hz}$ 2018199170820 $M_{L}=1.1 M_{W}=1.2$		2018195172331 $M_L = 0.6 M_w = 0.6$ $f_c = 49.0 \text{ Hz}$ 2018197070436 $M_L = 0.5 M_w = 0.6$ $f_c = 49.2 \text{ Hz}$ 2018199194117 $M_L = 0.9 M_w = 1.0$	$M_{L}=0.6 M_{W}=0.8 \\ f_{c}=38.9 \text{ Hz}$ 2018197091659 $M_{L}=0.5 M_{W}=0.6 \\ f_{c}=52.1 \text{ Hz}$	$M_{L}=2.0$ $f_{c}=1.9$ Hz $M_{L}=1.2$ $M_{W}=1.5$ $f_{c}=21.8$ Hz $M_{L}=1.5$ $M_{W}=1.7$	M_{L} =0.9 M_{w} =1.1 f_{c} =36.9 Hz 2018197183626 M_{L} =0.5 M_{w} =0.7 f_{c} =48.6 Hz 2018200015608 M_{L} =0.6 M_{w} =0.6	2018196071020 M _L =0.6 M _w =0.7 f _c =48.0 Hz 2018199080816 M _L =0.5 M _w =0.6 f _c =58.1 Hz 2018200040208	$M_L=1.3 M_w=1.6$ $M_L=1.3 M_w=1.6$ $M_L=1.0 M_w=1.2$ $M_c=32.8 Hz$ $M_c=0.6 M_w=0.7$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{$	$M_L=0.7 M_w=0.7$ $f_c=52.6 \text{ Hz}$ 2018196200450 $M_L=0.9 M_w=1.2$ $f_c=30.4 \text{ Hz}$ 2018199170820		2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz 2018197070436 M _L =0.5 M _w =0.6 f _c =49.2 Hz		2018197172535 M _L =1.2 M _w =1.5 6=21.8 Hz	M_{L} =0.9 M_{w} =1.1 f_{c} =36.9 Hz 2018197183626 M_{L} =0.5 M_{w} =0.7 f_{c} =48.6 Hz	2018196071020 M _L =0.6 M _w =0.7 f _c =48.0 Hz 2018199080816 M _L =0.5 M _w =0.6 f _c =58.1 Hz	$M_L=1.3 M_w=1.6$ $M_L=1.3 M_w=1.6$ $M_L=1.0 M_w=1.2$ $M_c=32.8 Hz$ $M_c=32.8 Hz$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{$	$M_{L}=0.7 M_{W}=0.7$ $f_{c}=52.6 \text{ Hz}$ 2018196200450 $M_{L}=0.9 M_{W}=1.2$ $f_{c}=30.4 \text{ Hz}$ 2018199170820 $M_{L}=1.1 M_{W}=1.2$		2018195172331 $M_L = 0.6 M_w = 0.6$ $f_c = 49.0 \text{ Hz}$ 2018197070436 $M_L = 0.5 M_w = 0.6$ $f_c = 49.2 \text{ Hz}$ 2018199194117 $M_L = 0.9 M_w = 1.0$		$M_{L}=2.0$ $f_{c}=1.9$ Hz $M_{L}=1.2$ $M_{W}=1.5$ $f_{c}=21.8$ Hz $M_{L}=1.5$ $M_{W}=1.7$	M_{L} =0.9 M_{w} =1.1 f_{c} =36.9 Hz 2018197183626 M_{L} =0.5 M_{w} =0.7 f_{c} =48.6 Hz 2018200015608 M_{L} =0.6 M_{w} =0.6	2018196071020 M _L =0.6 M _w =0.7 f _c =48.0 Hz 2018199080816 M _L =0.5 M _w =0.6 f _c =58.1 Hz 2018200040208	$M_L=1.3 M_w=1.6$ $M_L=1.3 M_w=1.6$ $M_L=1.0 M_w=1.2$ $M_c=32.8 Hz$ $M_c=0.6 M_w=0.7$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{$	$M_{L}=0.7 M_{W}=0.7$ $f_{c}=52.6 \text{ Hz}$ 2018196200450 $M_{L}=0.9 M_{W}=1.2$ $f_{c}=30.4 \text{ Hz}$ 2018199170820 $M_{L}=1.1 M_{W}=1.2$ $f_{c}=29.8 \text{ Hz}$				$M_{L} = 1.2 M_{W} = 2.0$ $f_{c} = 1.9 \text{ Hz}$ $M_{L} = 1.2 M_{W} = 1.5$ $f_{c} = 21.8 \text{ Hz}$ $M_{L} = 1.5 M_{W} = 1.7$ $M_{L} = 1.5 M_{W} = 1.7$ $M_{L} = 1.5 M_{W} = 1.7$	$M_{L}=0.9 \ M_{w}=1.1 \\ f_{c}=36.9 \ Hz$ 2018197183626 $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=48.6 \ Hz$ 2018200015608 $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=53.5 \ Hz$	$ M_{L} = 0.6 \ M_{w} = 0.7 $ $ f_{c} = 48.0 \ Hz $ $ 2018199080816 $ $ M_{L} = 0.5 \ M_{w} = 0.6 $ $ f_{c} = 58.1 \ Hz $ $ 2018200040208 $ $ M_{L} = 0.7 \ M_{w} = 1.0 $ $ f_{c} = 30.1 \ Hz $	$M_{L}=1.3 M_{w}=1.6$ $=2T.4 Hz$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 Hz$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 Hz$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{$	$M_{L}=0.7 \ M_{w}=0.7 \ f_{c}=52.6 \ Hz$ 2018196200450 $M_{L}=0.9 \ M_{w}=1.2 \ f_{c}=30.4 \ Hz$ $M_{L}=1.1 \ M_{w}=1.2 \ f_{c}=29.8 \ Hz$ $M_{L}=0.4 \ M_{w}=0.6$		2018195172331 $M_L=0.6 \ M_w=0.6 \ f_c=49.0 \ Hz$ 2018197070436 $M_L=0.5 \ M_w=0.6 \ f_c=49.2 \ Hz$ 2018199194117 $M_L=0.9 \ M_w=1.0 \ f_c=35.5 \ Hz$ 2018200102006	2018195195343 $M_L=0.6 M_w=0.8$ $f_c=38.9 \text{ Hz}$ 2018197091659 $M_L=0.5 M_w=0.6$ $f_c=52.1 \text{ Hz}$ 2018199204703 $M_L=1.2 M_w=1.5$ $f_c=30.2 \text{ Hz}$ 2018200105407 $M_L=0.6 M_w=0.7$	$M_{L}=1.2 M_{W}=2.0$ $f_{c}=1.9 Hz$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=21.8 Hz$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=1.5 M_{W}=1.7$	M_{L} =0.9 M_{w} =1.1 f_{c} =36.9 Hz 2018197183626	2018196071020 $M_{L}=0.6 M_{W}=0.7$ $f_{c}=48.0 \text{ Hz}$ 2018199080816 $M_{L}=0.5 M_{W}=0.6$ $f_{c}=58.1 \text{ Hz}$ 2018200040208 $M_{L}=0.7 M_{W}=1.0$ $f_{c}=30.1 \text{ Hz}$ 2018200134612 $M_{L}=0.5 M_{W}=0.6$	$M_{L}=1.3 M_{w}=1.6$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 Hz$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 Hz$ 2018200143037 $M_{L}=0.5 M_{w}=0.6$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{$	$M_{L}=0.7 \ M_{w}=0.7 \ f_{c}=52.6 \ Hz$ 2018196200450 $M_{L}=0.9 \ M_{w}=1.2 \ f_{c}=30.4 \ Hz$ $M_{L}=1.1 \ M_{w}=1.2 \ f_{c}=29.8 \ Hz$ $M_{L}=0.4 \ M_{w}=0.6$			2018195195343 $M_L=0.6 M_w=0.8$ $f_c=38.9 \text{ Hz}$ 2018197091659 $M_L=0.5 M_w=0.6$ $f_c=52.1 \text{ Hz}$ 2018199204703 $M_L=1.2 M_w=1.5$ $f_c=30.2 \text{ Hz}$ 2018200105407 $M_L=0.6 M_w=0.7$	$M_{L}=1.2 M_{W}=2.0$ $f_{c}=1.9 Hz$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=21.8 Hz$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=1.5 M_{W}=1.7$	M_{L} =0.9 M_{w} =1.1 f_{c} =36.9 Hz 2018197183626	2018196071020 $M_{L}=0.6 M_{W}=0.7$ $f_{c}=48.0 \text{ Hz}$ 2018199080816 $M_{L}=0.5 M_{W}=0.6$ $f_{c}=58.1 \text{ Hz}$ 2018200040208 $M_{L}=0.7 M_{W}=1.0$ $f_{c}=30.1 \text{ Hz}$ 2018200134612 $M_{L}=0.5 M_{W}=0.6$	$M_{L}=1.3 M_{w}=1.6$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 Hz$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 Hz$ 2018200143037 $M_{L}=0.5 M_{w}=0.6$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{$	$M_{L}=0.7 M_{w}=0.7 \\ f_{c}=52.6 \text{Hz}$ 2018196200450 $M_{L}=0.9 M_{w}=1.2 \\ f_{c}=30.4 \text{Hz}$ 2018199170820 $M_{L}=1.1 M_{w}=1.2 \\ f_{c}=29.8 \text{Hz}$ 2018200100833 $M_{L}=0.4 M_{w}=0.6 \\ f_{c}=37.8 \text{Hz}$		2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz 2018197070436 M _L =0.5 M _w =0.6 f _c =49.2 Hz 2018199194117 M _L =0.9 M _w =1.0 f _c =35.5 Hz 2018200102006	2018195195343 $M_L=0.6\ M_w=0.8\ f_c=38.9\ Hz$ 2018197091659 $M_L=0.5\ M_w=0.6\ f_c=52.1\ Hz$ 2018199204703 $M_L=1.2\ M_w=1.5\ f_c=30.2\ Hz$ 2018200105407 $M_L=0.6\ M_w=0.7\ f_c=34.8\ Hz$	$M_{L} = 3.0 M_{W} = 2.0 f_{c} = 1.9 \text{ Hz}$ 2018197172535 $M_{L} = 1.2 M_{W} = 1.5 f_{c} = 21.8 \text{ Hz}$ 2018199224500 $M_{L} = 1.5 M_{W} = 1.7 f_{c} = 23.3 \text{ Hz}$ 2018200105452 $M_{L} = 0.7 M_{W} = 0.8 f_{c} = 36.0 \text{ Hz}$	$M_{L}=0.9 \ M_{w}=1.1 \\ f_{c}=36.9 \ Hz$ 2018197183626 $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=48.6 \ Hz$ 2018200015608 $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=53.5 \ Hz$ 2018200105703 $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=40.3 \ Hz$	2018196071020 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=48.0 \text{ Hz}$ 2018199080816 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=58.1 \text{ Hz}$ 2018200040208 $M_{L}=0.7 M_{w}=1.0$ $f_{c}=30.1 \text{ Hz}$ 2018200134612 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=44.9 \text{ Hz}$	$M_{L}=1.3 M_{w}=1.6$ $=2T.4 \text{Hz}$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 \text{Hz}$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 \text{Hz}$ 2018200143037 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=47.5 \text{Hz}$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{10} \cdot 10^{$	$M_{L}=0.7 M_{w}=0.7 \\ f_{c}=52.6 \text{Hz}$ 2018196200450 $M_{L}=0.9 M_{w}=1.2 \\ f_{c}=30.4 \text{Hz}$ 2018199170820 $M_{L}=1.1 M_{w}=1.2 \\ f_{c}=29.8 \text{Hz}$ 2018200100833 $M_{L}=0.4 M_{w}=0.6 \\ f_{c}=37.8 \text{Hz}$ 2018200170651 $M_{L}=0.5 M_{w}=0.5$		2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz 2018197070436 M _L =0.5 M _w =0.6 f _c =49.2 Hz 2018199194117 M _L =0.9 M _w =1.0 f _c =35.5 Hz 2018200102006	2018195195343 $M_L=0.6 M_w=0.8 f_c=38.9 \text{ Hz}$ 2018197091659 $M_L=0.5 M_w=0.6 f_c=52.1 \text{ Hz}$ 2018199204703 $M_L=1.2 M_w=1.5 f_c=30.2 \text{ Hz}$ 2018200105407 $M_L=0.6 M_w=0.7 f_c=34.8 \text{ Hz}$ 2018201152715 $M_L=0.6 M_w=0.6$	$M_{L}=1.2 M_{W}=2.0$ $f_{c}=1.9 Hz$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=21.8 Hz$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=0.7 M_{W}=0.8$ $M_{C}=36.0 Hz$ $M_{L}=0.7 M_{W}=0.9$	$M_{L}=0.9 \ M_{w}=1.1 \ f_{c}=36.9 \ Hz$ 2018197183626 $M_{L}=0.5 \ M_{w}=0.7 \ f_{c}=48.6 \ Hz$ 2018200015608 $M_{L}=0.6 \ M_{w}=0.6 \ f_{c}=53.5 \ Hz$ $M_{L}=1.2 \ M_{w}=1.2 \ f_{c}=40.3 \ Hz$ 2018202134535 $M_{L}=0.5 \ M_{w}=0.6$	2018196071020 M _L =0.6 M _w =0.7 f _c =48.0 Hz 2018199080816 M _L =0.5 M _w =0.6 f _c =58.1 Hz 2018200040208 M _L =0.7 M _w =1.0 f _c =30.1 Hz 2018202144515 M _L =0.7 M _w =0.7	$M_{L}=1.3 M_{w}=1.6$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 Hz$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 Hz$ 2018200143037 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=47.5 Hz$ 2018202222748 $M_{L}=1.0 M_{w}=1.2$
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{$	$M_{L}=0.7 M_{w}=0.7 \\ f_{c}=52.6 Hz$ 2018196200450 $M_{L}=0.9 M_{w}=1.2 \\ f_{c}=30.4 Hz$ 2018199170820 $M_{L}=1.1 M_{w}=1.2 \\ f_{c}=29.8 Hz$ 2018200100833 $M_{L}=0.4 M_{w}=0.6 \\ f_{c}=37.8 Hz$ 2018200170651 $M_{L}=0.5 M_{w}=0.5$		2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz 2018197070436 M _L =0.5 M _w =0.6 f _c =49.2 Hz 2018199194117 M _L =0.9 M _w =1.0 f _c =35.5 Hz 2018200102006	2018195195343 $M_L=0.6 M_w=0.8 f_c=38.9 \text{ Hz}$ 2018197091659 $M_L=0.5 M_w=0.6 f_c=52.1 \text{ Hz}$ 2018199204703 $M_L=1.2 M_w=1.5 f_c=30.2 \text{ Hz}$ 2018200105407 $M_L=0.6 M_w=0.7 f_c=34.8 \text{ Hz}$ 2018201152715 $M_L=0.6 M_w=0.6$	$M_{L}=1.2 M_{W}=2.0$ $f_{c}=1.9 Hz$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=21.8 Hz$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=1.5 M_{W}=1.7$ $M_{L}=0.7 M_{W}=0.8$ $M_{C}=36.0 Hz$ $M_{L}=0.7 M_{W}=0.9$	$M_{L}=0.9 \ M_{w}=1.1 \ f_{c}=36.9 \ Hz$ 2018197183626 $M_{L}=0.5 \ M_{w}=0.7 \ f_{c}=48.6 \ Hz$ 2018200015608 $M_{L}=0.6 \ M_{w}=0.6 \ f_{c}=53.5 \ Hz$ $M_{L}=1.2 \ M_{w}=1.2 \ f_{c}=40.3 \ Hz$ 2018202134535 $M_{L}=0.5 \ M_{w}=0.6$	2018196071020 M _L =0.6 M _w =0.7 f _c =48.0 Hz 2018199080816 M _L =0.5 M _w =0.6 f _c =58.1 Hz 2018200040208 M _L =0.7 M _w =1.0 f _c =30.1 Hz 2018202144515 M _L =0.7 M _w =0.7	$M_{L}=1.3 M_{w}=1.6$ $D=2T.4 Hz$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 Hz$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 Hz$ 2018200143037 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=47.5 Hz$ 2018202222748 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=38.6 Hz$ 2018203171420
$10^{12} \cdot 10^{10} \cdot 10^{12} \cdot 10^{$	$M_{L}=0.7 M_{w}=0.7 \\ f_{c}=52.6 Hz$ 2018196200450 $M_{L}=0.9 M_{w}=1.2 \\ f_{c}=30.4 Hz$ 2018199170820 $M_{L}=1.1 M_{w}=1.2 \\ f_{c}=29.8 Hz$ 2018200100833 $M_{L}=0.4 M_{w}=0.6 \\ f_{c}=37.8 Hz$ 2018200170651 $M_{L}=0.5 M_{w}=0.5 \\ f_{c}=54.9 Hz$		2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz 2018197070436 M _L =0.5 M _w =0.6 f _c =49.2 Hz 2018199194117 M _L =0.9 M _w =1.0 f _c =35.5 Hz 2018200102006	2018195195343 $M_L=0.6 M_w=0.8$ $f_c=38.9 \text{ Hz}$ 2018197091659 $M_L=0.5 M_w=0.6$ $f_c=52.1 \text{ Hz}$ 2018199204703 $M_L=1.2 M_w=1.5$ $f_c=30.2 \text{ Hz}$ 2018200105407 $M_L=0.6 M_w=0.7$ $f_c=34.8 \text{ Hz}$ $M_L=0.6 M_w=0.6$ $M_L=0.6 M_w=0.6$	$M_{L} = 1.2 M_{W} = 2.0$ $f_{c} = 1.9 \text{ Hz}$ 2018197172535 $M_{L} = 1.2 M_{W} = 1.5$ $f_{c} = 21.8 \text{ Hz}$ 2018199224500 $M_{L} = 1.5 M_{W} = 1.7$ 2018200105452 $M_{L} = 0.7 M_{W} = 0.8$ $f_{c} = 36.0 \text{ Hz}$ $M_{L} = 0.7 M_{W} = 0.9$ $f_{c} = 42.7 \text{ Hz}$	$M_{L}=0.9 \ M_{w}=1.1 \\ f_{c}=36.9 \ Hz$ 2018197183626 $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=48.6 \ Hz$ 2018200015608 $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=53.5 \ Hz$ 2018200105703 $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=40.3 \ Hz$ 2018202134535 $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=47.6 \ Hz$	2018196071020 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=48.0 \text{ Hz}$ 2018199080816 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=58.1 \text{ Hz}$ 2018200040208 $M_{L}=0.7 M_{w}=1.0$ $f_{c}=30.1 \text{ Hz}$ 2018200134612 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=44.9 \text{ Hz}$ 2018202144515 $M_{L}=0.7 M_{w}=0.7$ $f_{c}=52.6 \text{ Hz}$	$M_{L}=1.3 M_{w}=1.6$ $D=2T.4 Hz$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 Hz$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 Hz$ 2018200143037 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=47.5 Hz$ 2018202222748 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=38.6 Hz$ 2018203171420 $10 100$
10 ¹² · 10 ¹⁰ ·	$M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=52.6 \ Hz$ 2018196200450 $M_{L}=0.9 \ M_{w}=1.2 \\ f_{c}=30.4 \ Hz$ 2018199170820 $M_{L}=1.1 \ M_{w}=1.2 \\ f_{c}=29.8 \ Hz$ 2018200100833 $M_{L}=0.4 \ M_{w}=0.6 \\ f_{c}=37.8 \ Hz$ 2018200170651 $M_{L}=0.5 \ M_{w}=0.5 \\ f_{c}=54.9 \ Hz$ 2018202225701 $M_{L}=0.5 \ M_{w}=0.6$	2018195123640 $M_L=0.7 M_w=0.9 f_c=41.0 \text{ Hz}$ 2018197015541 $M_L=0.7 M_w=0.8 f_c=49.7 \text{ Hz}$ 2018199170914 $M_L=0.8 M_w=0.9 f_c=44.1 \text{ Hz}$ 2018200191849 $M_L=0.5 M_w=0.6 f_c=54.8 \text{ Hz}$ $M_L=0.11 M_w=1.2$	2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz 2018197070436 M _L =0.5 M _w =0.6 f _c =49.2 Hz 2018199194117 M _L =0.9 M _w =1.0 f _c =35.5 Hz 2018201073346	2018195195343 $M_L=0.6 M_w=0.8$ $f_c=38.9 \text{ Hz}$ 2018197091659 $M_L=0.5 M_w=0.6$ $f_c=52.1 \text{ Hz}$ 2018199204703 $M_L=1.2 M_w=1.5$ $f_c=30.2 \text{ Hz}$ 2018200105407 $M_L=0.6 M_w=0.7$ $f_c=34.8 \text{ Hz}$ 2018201152715 $M_L=0.6 M_w=0.6$ $f_c=48.1 \text{ Hz}$	$M_{L}=1.2 M_{W}=2.0 f_{c}=1.9 Hz$ $M_{L}=1.2 M_{W}=1.5 f_{c}=21.8 Hz$ $M_{L}=1.5 M_{W}=1.7 f_{c}=36.0 Hz$ $M_{L}=0.7 M_{W}=0.8 f_{c}=36.0 Hz$ $M_{L}=0.7 M_{W}=0.9 f_{c}=42.7 Hz$ $M_{L}=0.7 M_{W}=0.9 f_{c}=42.7 Hz$	$M_{L}=0.9 \ M_{w}=1.1 \\ f_{c}=36.9 \ Hz$ 2018197183626 $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=48.6 \ Hz$ 2018200015608 $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=53.5 \ Hz$ 2018200105703 $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=40.3 \ Hz$ 2018202134535 $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=47.6 \ Hz$ 2018203113243 $M_{L}=0.9 \ M_{w}=1.3$	2018196071020 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=48.0 \text{ Hz}$ 2018199080816 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=58.1 \text{ Hz}$ 2018200040208 $M_{L}=0.7 M_{w}=1.0$ $f_{c}=30.1 \text{ Hz}$ 2018200134612 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=44.9 \text{ Hz}$ 2018202144515 $M_{L}=0.7 M_{w}=0.7$ $M_{L}=0.7 M_{w}=0.7$ $M_{L}=0.7 M_{w}=0.7$ $M_{L}=0.7 M_{w}=0.7$	$M_{L}=1.3 M_{w}=1.6$ $D=2T.4 Hz$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 Hz$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 Hz$ 2018200143037 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=47.5 Hz$ 2018202222748 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=38.6 Hz$ 2018203171420 $10 100$ 35 -28suoj 14ty
10^{12} 10^{10} 10^{12} 10^{10} 10^{12} 10^{10} 10^{12} 10^{10} 10^{12} 10^{10} 10^{12} 10^{10}	$M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=52.6 \ Hz$ 2018196200450 $M_{L}=0.9 \ M_{w}=1.2 \\ f_{c}=30.4 \ Hz$ 2018199170820 $M_{L}=1.1 \ M_{w}=1.2 \\ f_{c}=29.8 \ Hz$ 2018200100833 $M_{L}=0.4 \ M_{w}=0.6 \\ f_{c}=37.8 \ Hz$ 2018200170651 $M_{L}=0.5 \ M_{w}=0.5 \\ f_{c}=54.9 \ Hz$ 2018202225701 $M_{L}=0.5 \ M_{w}=0.6$	2018195123640 $M_L=0.7 M_w=0.9 f_c=41.0 \text{ Hz}$ 2018197015541 $M_L=0.7 M_w=0.8 f_c=49.7 \text{ Hz}$ 2018199170914 $M_L=0.8 M_w=0.9 f_c=44.1 \text{ Hz}$ 2018200191849 $M_L=0.5 M_w=0.6 f_c=54.8 \text{ Hz}$ $M_L=0.11 M_w=1.2$	2018195172331 M _L =0.6 M _w =0.6 f _c =49.0 Hz 2018197070436 M _L =0.5 M _w =0.6 f _c =49.2 Hz 2018199194117 M _L =0.9 M _w =1.0 f _c =35.5 Hz 2018201073346	2018195195343 $M_L=0.6 M_w=0.8$ $f_c=38.9 \text{ Hz}$ 2018197091659 $M_L=0.5 M_w=0.6$ $f_c=52.1 \text{ Hz}$ 2018199204703 $M_L=1.2 M_w=1.5$ $f_c=30.2 \text{ Hz}$ 2018200105407 $M_L=0.6 M_w=0.7$ $f_c=34.8 \text{ Hz}$ 2018201152715 $M_L=0.6 M_w=0.6$ $f_c=48.1 \text{ Hz}$	$M_{L}=1.2 M_{W}=2.0 f_{c}=1.9 Hz$ $M_{L}=1.2 M_{W}=1.5 f_{c}=21.8 Hz$ $M_{L}=1.5 M_{W}=1.7 f_{c}=36.0 Hz$ $M_{L}=0.7 M_{W}=0.8 f_{c}=36.0 Hz$ $M_{L}=0.7 M_{W}=0.9 f_{c}=42.7 Hz$ $M_{L}=0.7 M_{W}=0.9 f_{c}=42.7 Hz$	$M_{L}=0.9 \ M_{w}=1.1 \\ f_{c}=36.9 \ Hz$ 2018197183626 $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=48.6 \ Hz$ 2018200015608 $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=53.5 \ Hz$ 2018200105703 $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=40.3 \ Hz$ 2018202134535 $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=47.6 \ Hz$ 2018203113243 $M_{L}=0.9 \ M_{w}=1.3$	2018196071020 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=48.0 \text{ Hz}$ 2018199080816 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=58.1 \text{ Hz}$ 2018200040208 $M_{L}=0.7 M_{w}=1.0$ $f_{c}=30.1 \text{ Hz}$ 2018200134612 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=44.9 \text{ Hz}$ 2018202144515 $M_{L}=0.7 M_{w}=0.7$ $M_{L}=0.7 M_{w}=0.7$ $M_{L}=0.7 M_{w}=0.7$ $M_{L}=0.7 M_{w}=0.7$	$M_{L}=1.3 M_{w}=1.6$ $D=2T.4 Hz$ 2018199104200 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=32.8 Hz$ 2018200082657 $M_{L}=0.6 M_{w}=0.7$ $f_{c}=49.7 Hz$ 2018200143037 $M_{L}=0.5 M_{w}=0.6$ $f_{c}=47.5 Hz$ 2018202222748 $M_{L}=1.0 M_{w}=1.2$ $f_{c}=38.6 Hz$ 2018203171420 $10 100$