	ſ	$M_{\rm L}$ =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	$M_{\rm L}$ =0.7 $M_{\rm w}$ =0.8	$M_{\rm L}$ =0.6 $M_{\rm w}$ =0.8	$M_{\rm L}$ =1.1 $M_{\rm W}$ =1.1	$M_{\rm L}$ =0.4 $M_{\rm W}$ =0.7
10	) <sup>11</sup> -	f <sub>c</sub> =36.3 Hz		f <sub>c</sub> =42.4 Hz	f <sub>c</sub> =28.5 Hz	f <sub>c</sub> =35.7 Hz	f <sub>c</sub> =34.3 Hz	f <sub>c</sub> =33.9 Hz	f <sub>c</sub> =28.9 Hz
1	.0 <sup>9</sup> -	2018156105500	2018156132827	2018157010141	2018157013858	2018157121700	2018158072013	2018158204112	2018159000959
	ا آ	$M_{\rm L}$ =0.3 $M_{\rm w}$ =0.5	$M_{\rm L} = 0.8  M_{\rm W} = 0.9$	$M_{L}=0.8 M_{W}=1.0$	$M_{L}=0.5 M_{W}=0.7$	$M_{\rm L}$ =0.6 $M_{\rm W}$ =0.7	$M_{\rm L} = 0.5 \ M_{\rm W} = 0.7$	$M_{L}=1.0~M_{W}=1.4$	$M_{\rm L} = 0.9 \ M_{\rm W} = 1.1$
10	) <sup>11</sup> -	$f_{c}$ =40.7 Hz	f <sub>c</sub> =42.0 Hz	f <sub>c</sub> =29.0 Hz	$f_{c}$ =38.4 Hz	$f_c = 45.0 \text{ Hz}$	$f_c = 39.0 \text{ Hz}$	f=27.0 Hz	f <sub>c</sub> =26.7 Hz
1	.09 -				-	-	-	-	
	[	2018159011231	2018159035257	2018159044000	2018159120046	2018159152310	2018160051518	2018160054115	2018160102510
10	) <sup>11</sup> -	$M_{L}$ =0.7 $M_{W}$ =0.9 $f_{c}$ =37.4 Hz	$M_{L}=0.4 M_{W}=0.5$ $f_{c}=50.4 Hz$	$M_L = 0.3 M_w = 0.6$ $f_c = 36.7 \text{ Hz}$	$M_L = 0.6 M_w = 0.9$ $f_c = 29.8 \text{ Hz}$	$M_{L}$ =0.6 $M_{W}$ =0.7 $f_{c}$ =46.8 Hz	$M_L=0.8 M_w=1.0$ $f_c=41.8 \text{ Hz}$	$M_{L}$ =0.2 $M_{w}$ =0.4 $f_{c}$ =61.9 Hz	M <sub>L</sub> =1.4 M <sub>W</sub> =1.6 75.7 HZ
1	.0 <sup>9</sup> -		-		-	-	-	-	
	[	2018160135358	2018160181943	2018160211026	2018161004449	2018161102425	2018161172544	2018162012825	2018162052548
10	) <sup>11</sup> -	$M_{L}$ =0.6 $M_{w}$ =0.7 $f_{c}$ =49.1 Hz	$M_{L}$ =0.6 $M_{w}$ =0.7 $f_{c}$ =36.4 Hz	$M_L=0.7 M_w=0.8$ $f_c=42.1 Hz$	-	$M_L = 0.9 M_w = 1.1$ $f_c = 30.1 \text{ Hz}$	$M_{L}=0.7 M_{w}=0.8$ $f_{c}=40.6 Hz$	$M_L = 0.9 M_W = 1.1$ $f_c = 30.5 Hz$	$M_L=0.7 M_w=0.9$ $f_c=33.5 Hz$
1	.0 <sup>9</sup> -						-		
		2018162102701	2018162103517	2018162124708	2018162134139	2018162195803	2018162224749	2018163001121	2018163031320
10	) <sup>11</sup> -		$M_L = 0.5 M_W = 0.8$ $f_c = 27.5 Hz$	$M_L=1.1 M_W=1.3$	$M_L=1.0 M_W=1.3$ $f_c=23.4 Hz$	$M_L=0.7 M_W=0.8$ $f_c=40.4 Hz$	$M_L = 0.5 M_W = 0.7$ $f_c = 32.7 \text{ Hz}$	$M_L=0.2 M_w=0.4$ $f_c=43.4 Hz$	$M_L = 0.4 M_W = 0.6$ $f_c = 46.5 \text{ Hz}$
	.0 <sup>9</sup> -								
		2018163115829	2018163132124	2018164031000	2018165002042	2018165152357	2018165200500	2018166021841	2018166111647
1.0	) <sup>11</sup> -	$M_{L}=1.0 M_{W}=1.1$ $f_{c}=37.8 Hz$	$M_L = 0.4 M_W = 1.4$	$M_{L}$ =0.6 $M_{w}$ =0.8 $f_{c}$ =25.8 Hz	$M_{L}$ =0.4 $M_{W}$ =0.6 $f_{c}$ =45.6 Hz	$M_L = 0.6 M_w = 0.8$ $f_c = 36.7 \text{ Hz}$	$M_{L}=0.4 M_{W}=0.4$ $f_{c}=43.1 \text{ Hz}$	$M_L=0.4 M_w=0.6$ $f_c=39.8 Hz$	$M_L = 0.8 M_W = 1.0$ $f_c = 26.2 \text{ Hz}$
1	.09 -	2018168094946	2018168112428	2018169024000	2018169033430	2018169042045	2018169213726	2018169230658	2018170012100
		$M_{L}$ =0.6 $M_{w}$ =0.7 $f_{c}$ =42.4 Hz	$M_{L}=0.4 M_{W}=0.8$ $f_{c}=22.4 Hz$			$M_{L}=0.8 M_{w}=0.9$ $f_{c}=34.5 Hz$	$M_{L}=0.7 M_{w}=0.9$ $f_{c}=26.1 Hz$	$M_{\rm L}$ =0.7 $M_{\rm w}$ =0.8 $f_{\rm c}$ =27.9 Hz	$M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =32.1 Hz
	011 -								
1	.09 -	2018170013500	2018170022530	2018170070706	2018170141444	2018170145100	2018170191546	2018170200105	2018170210141
	[	$M_{\rm L} = 1.3 \ M_{\rm W} = 1.6$	$M_{\rm L} = 0.8 \ M_{\rm W} = 0.9$	$M_{L}=0.8 M_{W}=1.0$		$M_{\rm L} = 0.7  M_{\rm W} = 0.9$	$M_{\rm L} = 0.8 \ M_{\rm W} = 0.9$	$M_{\rm L} = 0.6  M_{\rm W} = 0.7$	$M_{L}=0.6 M_{W}=0.7$
10	)11 -	3.5 H2	f <sub>c</sub> =25.0 Hz	f <sub>c</sub> =24.8 Hz		f <sub>c</sub> =34.3 Hz	f <sub>c</sub> =27.7 Hz	f <sub>c</sub> =35.4 Hz	f <sub>c</sub> =41.5 Hz
1	.0 <sup>9</sup> -	2018171001230	2018171003700	2018171005900	2018171034700	2018171100309	2018171100500	2018171101020	2018171113245
	[	······································	$M_{\rm L} = 0.8 \ M_{\rm W} = 1.0$	$M_{L}=1.1 M_{W}=1.4$		$M_{L}=0.4 M_{W}=0.6$	$M_{L}=0.8 M_{W}=1.0$	$M_{\rm L} = 0.5 \ M_{\rm W} = 0.6$	
10	) <sup>11</sup> -		f <sub>c</sub> =35.4 Hz	f.=23.6 Hz	Te 7.4 Hz	f <sub>c</sub> =38.8 Hz	f <sub>c</sub> =22.3 Hz	f <sub>c</sub> =33.9 Hz	
1	.0 <sup>9</sup> -	2018171120032	2018171170704	2018171173814	2018171232614	2018171233929	2018172001100	2018172010600	2018172041700
	I.	$M_{\rm L}$ =0.6 $M_{\rm w}$ =0.7	$M_{\rm L} = 0.8 \ M_{\rm W} = 0.9$	$M_{L}=1.2 M_{W}=1.5$	$M_{L}=0.8 \ M_{W}=1.1$	$M_{\rm L} = 0.8  M_{\rm W} = 1.0$	$M_{L}=0.7 M_{W}=0.8$	$M_{\rm L} = 0.4 \ M_{\rm W} = 0.5$	$M_{L}=1.0 \ M_{W}=1.3$
10	) <sup>11</sup> -	$M_{L}=0.6 M_{W}=0.7$ $f_{c}=37.8 \text{ Hz}$	f <sub>c</sub> =38.6 Hz	M <sub>1</sub> =1.2   M <sub>W</sub> =1.5	$f_c = 25.6 \text{ Hz}$	$m_{\rm L} = 0.6  M_{\rm W} = 1.0  f_{\rm c} = 32.2  \rm Hz$	$f_{c}=0.7 M_{W}=0.8$ $f_{c}=37.7 Hz$	f <sub>c</sub> =45.3 Hz	$f_{c}=1.0 \text{ M}_{W}=1.5$
1	.0 <sup>9</sup> -	2018172070230	2018172090030	2018172175518	2018172180735	2018172183326	2018172230708	2018172234909	2018173042858
	[	2018172070230 	<del></del>	J	L,	L	·	2018172234909 	2018173042858 
10	) <sup>11</sup> -	$M_{L}$ =0.9 $M_{w}$ =1.0 $f_{c}$ =27.8 Hz	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=27.7 Hz$	$M_{L}$ =0.9 $M_{W}$ =1.0 $f_{c}$ =36.5 Hz	$M_{L}$ =0.5 $M_{W}$ =0.7 $f_{c}$ =28.5 Hz	$M_L=1.0 M_w=1.2$ $f_c=25.8 Hz$	$M_L=1.1 M_w=1.4$ $f_L=21.4 Hz$	$M_{L}$ =0.0 $M_{W}$ =0.8 $f_{c}$ =28.3 Hz	$M_L = 0.6 M_w = 0.7$ $f_c = 32.2 \text{ Hz}$
1	.0 <sup>9</sup> -		-		-			-	-
	_	2018173043508	2018173072237	2018173130130	2018173142304	2018173151655	2018173181236	2018173191258	2018173214953
10	) <sup>11</sup> -	$M_{L}=0.8 M_{W}=1.1$ $f_{c}=25.6 Hz$	$M_{L}=0.7 M_{W}=0.8$ $f_{c}=34.9 Hz$	$M_{L}=0.9 M_{W}=1.0$ $f_{c}=21.3 \text{ Hz}$	$M_L=1.0 M_W=1.2$ $f_c=28.5 Hz$	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=43.6 Hz$	$M_{L}=1.1 M_{W}=1.3$ $f_{c}=30.0 \text{ Hz}$	$M_{L}$ =0.6 $M_{w}$ =0.6 $f_{c}$ =41.8 Hz	$M_L = 0.5 M_w = 0.7$ $f_c = 39.9 \text{ Hz}$
1	.0 <sup>9</sup> -								
	[	2018173220003	2018174040400	2018174043300	2018174062000	2018174064100	2018174085934	2018174131934	2018174154112
10	) <sup>11</sup> -	$M_L=1.1 M_W=1.2$ $f_c=22.7 Hz$	-	$M_L=0.4 M_w=0.7$ $f_c=33.4 Hz$	$M_L$ =0.8 $M_w$ =1.0 $f_c$ =22.6 Hz	$M_L = 0.5 M_w = 0.7$ $f_c = 31.2 \text{ Hz}$	$M_{L}$ =0.8 $M_{w}$ =0.9 $f_{c}$ =33.0 Hz	$M_L = 0.5 M_W = 0.8$ $f_c = 43.9 \text{ Hz}$	$M_L = 0.7 M_W = 0.9$ $f_c = 25.9 \text{ Hz}$
(E <sub>N</sub> ) 1	.0 <sup>9</sup> -				-			-	
ctrum $\omega$ M (Nm)		2018175062422	2018175071713	2018175132759	2018176001813	2018176155852	2018176170554	2018176210520	2018177104730
spectru 01	) <sup>11</sup> -	$M_{L}$ =0.5 $M_{w}$ =0.8 $f_{c}$ =32.2 Hz	$M_L=0.9 M_w=1.2$ $f_c=31.0 Hz$	$M_{L}$ =0.8 $M_{w}$ =1.1 $f_{c}$ =29.0 Hz	M <sub>L</sub> =1.2 M <sub>W</sub> =1.4	$M_L = 0.9 M_w = 1.1$ $f_c = 25.9 \text{ Hz}$	$f_c = 1.9$	$M_1 = 1.5 M_w = 1.6$	$M_L$ =0.6 $M_w$ =0.9 $f_c$ =20.0 Hz
nent s	.0 <sup>9</sup> -								
source displacement D		2018178152609	2018178222942	2018179053245	2018179233042	2018180013150	2018180040100	2018180094138	2018181040940
rce dis	) <sup>11</sup> -	$M_{\rm L} = 1.4 \ M_{\rm W} = 1.6$	$M_{L}$ =0.8 $M_{W}$ =1.1 $f_{c}$ =25.8 Hz	$M_L$ =0.8 $M_w$ =1.0 $f_c$ =32.0 Hz	$M_L=1.0 M_w=1.2$ $f_c=27.0 Hz$	$M_L=1.1 M_w=1.3$ $f_c=22.4 Hz$	$M_{L}=0.8 M_{W}=1.1$ $f_{c}=25.8 \text{ Hz}$	$M_{L}$ =0.9 $M_{W}$ =1.1 $f_{c}$ =33.0 Hz	$M_L = 0.7 M_W = 0.9$ $f_c = 26.7 \text{ Hz}$
	.0 <sup>9</sup> -		- The state of the						
		2018181065239	2018181192300	2018182124340	2018182203248	2018182212250	2018182233301	2018183155952	2018183202531
10	) <sup>11</sup> -	$M_{L}=1.0 M_{W}=1.2$ $f_{c}=21.4 Hz$	$M_L = 0.6 M_w = 0.7$ $f_c = 35.3 \text{ Hz}$	$M_{L}=1.1 M_{W}=1.2$ $f_{c}=28.1 Hz$	$M_L=1.2 M_w=1.4$	$M_{L}$ =0.9 $M_{W}$ =1.1 $f_{c}$ =27.5 Hz	$M_{L}=1.1 M_{W}=1.2$ $f_{c}=25.8 \text{ Hz}$	$M_L=1.1 M_w=1.0$ $f_c=29.8 \text{ Hz}$	$M_L = 0.7 M_w = 1.0$ $f_c = 29.5 \text{ Hz}$
	.0 <sup>9</sup> -								
		2018183215029	2018184003003	2018184201046	2018184202906	2018185001326	2018185014623	2018185034551	2018185120950
10	) <sup>11</sup> -	$M_{L}$ =0.7 $M_{w}$ =0.9 $f_{c}$ =29.6 Hz	$M_L = 0.7 M_W = 0.8$ $f_c = 29.1 \text{ Hz}$	M <sub>L</sub> =1.4 M <sub>w</sub> =1.6		$M_L=0.8 M_w=0.9$ $f_c=31.6 \text{ Hz}$	$M_L=0.9 M_w=1.1$ $f_c=26.0 \text{ Hz}$	$M_{L}$ =0.5 $M_{w}$ =0.7 $f_{c}$ =33.2 Hz	$M_L = 0.7 M_w = 0.7$ $f_c = 29.5 \text{ Hz}$
	.0 <sup>9</sup> -								
_		2018185145450	2018185155423	2018186070100	2018186092109	2018186115357	2018186131522	2018186202646	2018186215007
10	) <sup>11</sup> -	$M_{L}$ =0.6 $M_{w}$ =0.8 $f_{c}$ =28.5 Hz	$M_{L}$ =0.6 $M_{w}$ =0.7 $f_{c}$ =36.8 Hz	M <sub>L</sub> =1.3 M <sub>w</sub> =1.7	$M_L = 0.8 M_w = 1.1$ $f_c = 22.9 \text{ Hz}$	$M_L=0.6 M_w=0.8$ $f_c=24.2 Hz$	M <sub>L</sub> =1.4 M <sub>w</sub> =1.6	$M_L=1.0 M_w=1.2$ $f_c=28.1 Hz$	$M_L = 0.7 M_W = 0.9$ $f_c = 35.5 \text{ Hz}$
	.0 <sup>9</sup> -							***	
1	.0 ]	2018187034808	2018187062657	2018187084836	2018188142051	2018188161324	2018188173124	2018188175428	2018188193122
10	) <sup>11</sup> -	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=30.4 Hz$	$M_{L}=0.8 M_{W}=1.1$ $f_{c}=25.0 \text{ Hz}$	$M_{L}$ =0.7 $M_{w}$ =1.0 $f_{c}$ =21.7 Hz	$M_{L}$ =0.6 $M_{W}$ =0.8 $f_{C}$ =41.3 Hz	$M_{L}=0.7 M_{W}=0.8$ $f_{c}=37.1 Hz$	$M_{L}=0.6 M_{w}=0.7$ $f_{c}=33.2 Hz$	$M_L=0.4 M_w=0.6$ $f_c=36.2 Hz$	$M_L = 0.5 M_w = 1.0$ $f_c = 26.5 \text{ Hz}$
	ļ								
	.0 <sup>9</sup> -	2018188202905	2018188214438	2018188214700	2018188214802	2018189060720	2018189070845	2018189095118	2018189132738
	,, [	$M_L = 0.8 M_w = 1.0$ $f_c = 27.2 Hz$	$M_L = 0.8 M_w = 0.9$ $f_c = 28.9 \text{ Hz}$	$M_L = 0.6 M_w = 0.9$ $f_c = 22.4 Hz$	$M_L=0.8 M_w=1.1$ $f_c=26.3 \text{ Hz}$	$M_L = 0.6 M_w = 0.8$ $f_c = 35.8 \text{ Hz}$	$f_c = 2.0$ $f_c = 4 \text{ Hz}$	$M_L = 0.5 M_w = 0.6$ $f_c = 35.0 \text{ Hz}$	$M_L = 0.6 M_w = 0.8$ $f_c = 33.9 \text{ Hz}$
	09		••••••						
	.0 <sup>9</sup> -	2018189132728	2018189142028	2018189152317	2018189160854	2018189163251	2018189173537	2018189195043	2018190005253
	,, [	$M_L=1.1 M_w=1.3$ $f_c=30.3 Hz$	$M_L=0.3 M_w=0.6$ $f_c=33.3 Hz$	$M_L = 0.8 M_w = 1.0$ $f_c = 29.7 Hz$	M <sub>I</sub> =1.3 M <sub>W</sub> =1.7	$M_L = 0.5 M_W = 0.5$ $f_c = 40.5 Hz$	$M_{L}=0.6 M_{W}=0.9$ $f_{c}=22.2 Hz$	M <sub>L</sub> =1.3 M <sub>w</sub> =1.6	$M_L = 0.8 M_W = 1.0$ $f_c = 30.9 \text{ Hz}$
	09	220						***	
	.0 <sup>9</sup> -	2018190020811	2018190025747	2018190155046	2018193142500	2018193204529	2018194085018	2018194133411	2018195011432
	,, [	$M_{L}=0.6 M_{w}=0.7$ $f_{c}=37.1 Hz$	$M_L = 0.9 M_w = 1.2$ $f_c = 19.9 \text{ Hz}$	$M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =45.7 Hz	$M_{L}=0.6 M_{w}=0.8$ $f_{c}=28.3 \text{ Hz}$	$M_L = 0.8 M_w = 0.9$ $f_c = 27.6 \text{ Hz}$	$M_L=0.8 M_w=1.0$ $f_c=25.3 Hz$		$M_L = 0.7 M_W = 0.9$ $f_c = 34.3 \text{ Hz}$
	)11 -		33312			***************************************		•	
	.09 -	2018195074501	2018195123640	2018195172331	2018195195343	2018196003937	2018196010738	2018196071020	2018196133941
	-   	$M_{L}=0.7 M_{w}=0.7$ $f_{c}=43.5 Hz$	$M_{L}=0.7 M_{W}=0.9$ $f_{c}=33.5 \text{ Hz}$	$M_{L}$ =0.6 $M_{w}$ =0.8 $f_{c}$ =25.7 Hz	$M_{L}$ =0.6 $M_{w}$ =1.0 $f_{c}$ =20.7 Hz	$f_c = 2.0$	$M_L=0.9 M_W=1.2$ $f_c=30.3 Hz$	$M_{L}=0.6 M_{W}=0.8$ $f_{c}=37.5 Hz$	$M_{\rm L} = 1.3  M_{\rm W} = 1.7$ $16.3  \rm Hz$
	) <sup>11</sup> -		Z		1,(-20,7112		-50.5 112	.(_3/.3/172	
	.09 -	2018196200450	2018197015541	2018197070436	2018197091659	2018197172535	2018197183626	2018199080816	2018199104200
	\ [	$M_{L}=0.9 \ M_{W}=1.2$	$M_{L}=0.7 M_{w}=1.0$ $f_{c}=28.9 \text{ Hz}$	$M_{L}=0.5 M_{w}=0.6$ $f_{c}=35.5 Hz$	$M_{L}=0.5 \ M_{W}=0.6 \ f_{c}=42.1 \ Hz$	M <sub>L</sub> =1.2 M <sub>w</sub> =1.5	$M_{L}=0.5 M_{W}=0.7$ $f_{c}=39.3 Hz$	$M_{L}=0.5 \ M_{w}=0.7$ $f_{c}=45.3 \ Hz$	$M_{L}=1.0 M_{W}=1.3$ $f_{c}=25.9 Hz$
10	ال بير	f <sub>c</sub> =24.4 Hz	, -20.9 FIZ	., -33.3 ⊓2	72.112	7.3112	55.5 112		
		f <sub>c</sub> =24.4 Hz				1	4	4	1
1	.0 <sup>9</sup> -	f <sub>c</sub> =24.4 Hz	2018199170914	2018199194117	2018199204703	2018199224500	2018200015608	2018200040208	2018200082657
	.0 <sup>9</sup> -	2018199170820 	2018199170914	$M_{L}=0.9 M_{W}=1.1$	2018199204703 M <sub>L</sub> =1.2 M <sub>w</sub> =1.5	$M_1 = 1.5 M_W = 1.7$	$M_{\rm L} = 0.6 \ M_{\rm w} = 0.7$	$M_{\rm L} = 0.7 \ M_{\rm W} = 1.1$	$M_{L}=0.6 M_{W}=0.7$
10	.0 <sup>9</sup> -	2018199170820	2018199170914	J	· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>	<u> </u>	<u> </u>
10	.0 <sup>9</sup> -	2018199170820 	2018199170914	$M_{L}=0.9 M_{W}=1.1$	· · · · · · · · · · · · · · · · · · ·	$M_1 = 1.5 M_W = 1.7$	$M_{\rm L} = 0.6 \ M_{\rm w} = 0.7$	$M_{\rm L} = 0.7 \ M_{\rm W} = 1.1$	$M_{L}=0.6 M_{W}=0.7$
10	.0 <sup>9</sup> -	2018199170820 $M_L=1.1 \ M_w=1.3 \ f_c=22.2 \ Hz$ 2018200100833 $M_L=0.4 \ M_w=0.7$	2018200100919 M <sub>L</sub> =0.8 M <sub>w</sub> =0.9	$M_{L}$ =0.9 $M_{W}$ =1.1 $f_{c}$ =26.4 Hz	M <sub>L</sub> =1.2 M <sub>w</sub> =1.5 2018200105407 M <sub>L</sub> =0.6 M <sub>w</sub> =0.8	$M_{\rm L}=1.5~M_{\rm W}=1.7$ $17.9~{\rm Hz}$ $2018200105452$ $M_{\rm L}=0.7~M_{\rm W}=0.9$	$M_L=0.6 M_w=0.7$ $f_c=40.1 Hz$ $2018200105703$ $M_L=1.2 M_w=1.2$	$M_{L}=0.7 M_{w}=1.1$ $f_{c}=20.9 Hz$ $2018200134612$ $M_{L}=0.5 M_{w}=0.7$	$M_{L}=0.6 M_{W}=0.7$ $f_{c}=39.1 \text{ Hz}$ $2018200143037$ $M_{L}=0.5 M_{W}=0.7$
10 1	.0 <sup>9</sup> -	2018199170820 $M_L=1.1~M_W=1.3~f_c=22.2~Hz$ 2018200100833	2018200100919	M <sub>L</sub> =0.9 M <sub>w</sub> =1.1 f <sub>c</sub> =26.4 Hz	M <sub>L</sub> =1.2 M <sub>w</sub> =1.5 2-24.0 Hz	M <sub>1</sub> = 1.5 M <sub>w</sub> = 1.7 17.9 Hz	$M_L=0.6 M_w=0.7$ $f_c=40.1 Hz$ $2018200105703$	M <sub>L</sub> =0.7 M <sub>w</sub> =1.1 f <sub>c</sub> =20.9 Hz	$M_{L}=0.6 M_{W}=0.7$ $f_{c}=39.1 \text{ Hz}$ $2018200143037$
10 1	.0 <sup>9</sup> -	2018199170820 $M_L=1.1 \ M_w=1.3 \ f_c=22.2 \ Hz$ 2018200100833 $M_L=0.4 \ M_w=0.7$	2018200100919 M <sub>L</sub> =0.8 M <sub>w</sub> =0.9	$M_{L}$ =0.9 $M_{W}$ =1.1 $f_{c}$ =26.4 Hz	M <sub>L</sub> =1.2 M <sub>w</sub> =1.5 2018200105407 M <sub>L</sub> =0.6 M <sub>w</sub> =0.8	$M_{\rm L}=1.5~M_{\rm W}=1.7$ $17.9~{\rm Hz}$ $2018200105452$ $M_{\rm L}=0.7~M_{\rm W}=0.9$	$M_L=0.6 M_w=0.7$ $f_c=40.1 Hz$ $2018200105703$ $M_L=1.2 M_w=1.2$	$M_{L}=0.7 M_{w}=1.1$ $f_{c}=20.9 Hz$ $2018200134612$ $M_{L}=0.5 M_{w}=0.7$	$M_{L}=0.6 M_{W}=0.7$ $f_{c}=39.1 \text{ Hz}$ $2018200143037$ $M_{L}=0.5 M_{W}=0.7$
10 1	.0° -	2018199170820 $M_L=1.1 M_w=1.3 f_c=22.2 Hz$ 2018200100833 $M_L=0.4 M_w=0.7 f_c=27.0 Hz$ 2018200170651 $M_L=0.5 M_w=0.5$	2018200100919 $M_L$ =0.8 $M_w$ =0.9 $f_c$ =35.7 Hz 2018200191849 $M_L$ =0.5 $M_w$ =0.7	M <sub>L</sub> =0.9 M <sub>w</sub> =1.1 f <sub>c</sub> =26.4 Hz	$M_{L}=1.2 \ M_{w}=1.5$ $2018200105407$ $M_{L}=0.6 \ M_{w}=0.8$ $f_{c}=23.0 \ Hz$ $M_{L}=0.6 \ M_{w}=0.7$	$M_{L}=1.5 M_{W}=1.7$ $17.9 \text{ Hz}$ $M_{L}=0.7 M_{W}=0.9$ $f_{c}=26.9 \text{ Hz}$ $M_{L}=0.7 M_{W}=0.9$	$M_L=0.6 M_w=0.7$ $f_c=40.1 \text{ Hz}$ $M_L=1.2 M_w=1.2$ $f_c=33.3 \text{ Hz}$ $M_L=0.5 M_w=0.7$	$M_{L}$ =0.7 $M_{w}$ =1.1 $f_{c}$ =20.9 Hz 2018200134612 $M_{L}$ =0.5 $M_{w}$ =0.7 $f_{c}$ =34.1 Hz 2018202144515 $M_{L}$ =0.7 $M_{w}$ =0.7	$M_{L}=0.6 M_{W}=0.7$ $f_{c}=39.1 \text{ Hz}$ $M_{L}=0.5 M_{W}=0.7$ $f_{c}=38.5 \text{ Hz}$ $M_{L}=1.0 M_{W}=1.2$
10 1 10 1	.0° -	2018199170820 $M_L=1.1 \ M_w=1.3 \ f_c=22.2 \ Hz$ 2018200100833 $M_L=0.4 \ M_w=0.7 \ f_c=27.0 \ Hz$ 2018200170651	2018200100919 M <sub>L</sub> =0.8 M <sub>w</sub> =0.9 f <sub>c</sub> =35.7 Hz 2018200191849	M <sub>L</sub> =0.9 M <sub>w</sub> =1.1 f <sub>c</sub> =26.4 Hz	$M_{L}=1.2 \ M_{w}=1.5$ $C=24.0 \ Hz$ $M_{L}=0.6 \ M_{w}=0.8$ $f_{c}=23.0 \ Hz$ $M_{L}=0.6 \ M_{w}=0.8$	$M_{L} = 1.5 M_{W} = 1.7$ $17.9 \text{ Hz}$ $M_{L} = 0.7 M_{W} = 0.9$ $f_{c} = 26.9 \text{ Hz}$ $M_{L} = 0.128202112855$	$M_L=0.6 M_w=0.7$ $f_c=40.1 \text{ Hz}$ $M_L=1.2 M_w=1.2$ $f_c=33.3 \text{ Hz}$ $M_L=1.2 M_w=1.2$	$M_{L}$ =0.7 $M_{w}$ =1.1 $f_{c}$ =20.9 Hz 2018200134612 $M_{L}$ =0.5 $M_{w}$ =0.7 $f_{c}$ =34.1 Hz 2018202144515	$M_L=0.6 M_w=0.7$ $f_c=39.1 \text{ Hz}$ $M_L=0.5 M_w=0.7$ $f_c=38.5 \text{ Hz}$ $M_L=0.5 M_w=0.7$
10 1 10 1	.0° -	2018199170820 $M_L=1.1 M_w=1.3 f_c=22.2 Hz$ 2018200100833 $M_L=0.4 M_w=0.7 f_c=27.0 Hz$ 2018200170651 $M_L=0.5 M_w=0.5$	2018200100919 $M_L$ =0.8 $M_w$ =0.9 $f_c$ =35.7 Hz 2018200191849 $M_L$ =0.5 $M_w$ =0.7	M <sub>L</sub> =0.9 M <sub>w</sub> =1.1 f <sub>c</sub> =26.4 Hz	$M_{L}=1.2 \ M_{w}=1.5$ $2018200105407$ $M_{L}=0.6 \ M_{w}=0.8$ $f_{c}=23.0 \ Hz$ $M_{L}=0.6 \ M_{w}=0.7$	$M_{L}=1.5 M_{W}=1.7$ $17.9 \text{ Hz}$ $M_{L}=0.7 M_{W}=0.9$ $f_{c}=26.9 \text{ Hz}$ $M_{L}=0.7 M_{W}=0.9$	$M_L=0.6 M_w=0.7$ $f_c=40.1 \text{ Hz}$ $M_L=1.2 M_w=1.2$ $f_c=33.3 \text{ Hz}$ $M_L=0.5 M_w=0.7$	$M_{L}$ =0.7 $M_{w}$ =1.1 $f_{c}$ =20.9 Hz 2018200134612 $M_{L}$ =0.5 $M_{w}$ =0.7 $f_{c}$ =34.1 Hz 2018202144515 $M_{L}$ =0.7 $M_{w}$ =0.7	$M_{L}=0.6 M_{W}=0.7$ $f_{c}=39.1 \text{ Hz}$ $M_{L}=0.5 M_{W}=0.7$ $f_{c}=38.5 \text{ Hz}$ $M_{L}=1.0 M_{W}=1.2$
10 1 10 10	.0° - .0° - .0° -	2018199170820 $M_L=1.1 \ M_w=1.3 \ f_c=22.2 \ Hz$ 2018200100833 $M_L=0.4 \ M_w=0.7 \ f_c=27.0 \ Hz$ 2018200170651 $M_L=0.5 \ M_w=0.5 \ f_c=44.7 \ Hz$ 2018202225701	2018200100919  M <sub>L</sub> =0.8 M <sub>w</sub> =0.9  f <sub>c</sub> =35.7 Hz  2018200191849  M <sub>L</sub> =0.5 M <sub>w</sub> =0.7  f <sub>c</sub> =45.3 Hz	2018201073346 2018203030928	$M_{L}=1.2 \ M_{w}=1.5$ $2018200105407$ $M_{L}=0.6 \ M_{w}=0.8$ $f_{c}=23.0 \ Hz$ $2018201152715$ $M_{L}=0.6 \ M_{w}=0.7$ $f_{c}=38.9 \ Hz$ $2018203081713$	$M_{L}=1.5 M_{W}=1.7$ $2018200105452$ $M_{L}=0.7 M_{W}=0.9$ $f_{c}=26.9 \text{ Hz}$ $2018202112855$ $M_{L}=0.7 M_{W}=0.9$ $f_{c}=34.4 \text{ Hz}$ $2018203090059$	$M_L=0.6 M_w=0.7$ $f_c=40.1 \text{ Hz}$ $M_L=1.2 M_w=1.2$ $f_c=33.3 \text{ Hz}$ $M_L=0.5 M_w=0.7$ $f_c=37.0 \text{ Hz}$	$M_{L}=0.7 \ M_{w}=1.1 \\ f_{c}=20.9 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=34.1 \ Hz$ $M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=42.0 \ Hz$ $2018203124722$	$M_{L}=0.6 M_{w}=0.7$ $f_{c}=39.1 \text{ Hz}$ $2018200143037$ $M_{L}=0.5 M_{w}=0.7$ $f_{c}=38.5 \text{ Hz}$ $2018202222748$ $M_{L}=1.0 M_{w}=1.2$ $f_{c}=31.7 \text{ Hz}$
10 1 10 1 10	.0° - .0° - .0° -	2018199170820 $M_L=1.1 \ M_w=1.3 \ f_c=22.2 \ Hz$ 2018200100833 $M_L=0.4 \ M_w=0.7 \ f_c=27.0 \ Hz$ 2018200170651 $M_L=0.5 \ M_w=0.5 \ f_c=44.7 \ Hz$	2018200100919  M <sub>L</sub> =0.8 M <sub>w</sub> =0.9  f <sub>c</sub> =35.7 Hz  2018200191849  M <sub>L</sub> =0.5 M <sub>w</sub> =0.7  f <sub>c</sub> =45.3 Hz	M <sub>L</sub> =0.9 M <sub>w</sub> =1.1 f <sub>c</sub> =26.4 Hz	$M_{L}=1.2 M_{w}=1.5$ $f_{c}=24.0 Hz$ $2018200105407$ $M_{L}=0.6 M_{w}=0.8$ $f_{c}=23.0 Hz$ $2018201152715$ $M_{L}=0.6 M_{w}=0.7$ $f_{c}=38.9 Hz$	$M_{L}=1.5 M_{W}=1.7$ $2018200105452$ $M_{L}=0.7 M_{W}=0.9$ $f_{c}=26.9 \text{ Hz}$ $M_{L}=0.7 M_{W}=0.9$ $f_{c}=34.4 \text{ Hz}$	$M_{L}=0.6 \ M_{w}=0.7 \\ f_{c}=40.1 \ Hz$ $2018200105703$ $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=33.3 \ Hz$ $2018202134535$ $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=37.0 \ Hz$	$M_{L}=0.7 \ M_{w}=1.1 \\ f_{c}=20.9 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=34.1 \ Hz$ $M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=42.0 \ Hz$	$M_{L}=0.6 M_{w}=0.7$ $f_{c}=39.1 \text{ Hz}$ $2018200143037$ $M_{L}=0.5 M_{w}=0.7$ $f_{c}=38.5 \text{ Hz}$ $2018202222748$ $M_{L}=1.0 M_{w}=1.2$ $f_{c}=31.7 \text{ Hz}$ $2018203171420$ $10 100$
10 1 10 1 10	.0° -	2018199170820 $M_L=1.1 \ M_w=1.3 \ f_c=22.2 \ Hz$ 2018200100833 $M_L=0.4 \ M_w=0.7 \ f_c=27.0 \ Hz$ 2018200170651 $M_L=0.5 \ M_w=0.5 \ f_c=44.7 \ Hz$ 2018202225701 $M_L=0.5 \ M_w=0.6 \ f_c=37.1 \ Hz$	$M_{L}=0.8 M_{w}=0.9$ $f_{c}=35.7 \text{ Hz}$ $2018200191849$ $M_{L}=0.5 M_{w}=0.7$ $f_{c}=45.3 \text{ Hz}$ $2018202234429$ $M_{L}=1.1 M_{w}=1.2$ $f_{c}=29.6 \text{ Hz}$	2018201073346 2018203030928 M <sub>L</sub> =0.7 M <sub>w</sub> =0.9 f <sub>c</sub> =34.0 Hz	$M_{L}=1.2 \ M_{w}=1.5$ $2018200105407$ $M_{L}=0.6 \ M_{w}=0.8$ $f_{c}=23.0 \ Hz$ $2018201152715$ $M_{L}=0.6 \ M_{w}=0.7$ $f_{c}=38.9 \ Hz$ $M_{L}=0.5 \ M_{w}=0.7$ $f_{c}=36.2 \ Hz$	$M_{L} = 1.5 M_{W} = 1.7$ $2018200105452$ $M_{L} = 0.7 M_{W} = 0.9$ $f_{c} = 26.9 \text{ Hz}$ $M_{L} = 0.7 M_{W} = 0.9$ $f_{c} = 34.4 \text{ Hz}$ $2018203090059$ $M_{L} = 1.4 M_{W} = 1.5$ $c = 25.0 \text{ Hz}$	$M_{L}=0.6 \ M_{w}=0.7 \\ f_{c}=40.1 \ Hz$ $2018200105703$ $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=33.3 \ Hz$ $2018202134535$ $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=37.0 \ Hz$ $M_{L}=0.9 \ M_{w}=1.3 \\ f_{c}=23.9 \ Hz$	$M_{L}=0.7 \ M_{w}=1.1 \\ f_{c}=20.9 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=34.1 \ Hz$ $M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=42.0 \ Hz$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=37.9 \ Hz$	$M_{L}=0.6 M_{w}=0.7$ $f_{c}=39.1 \text{ Hz}$ $2018200143037$ $M_{L}=0.5 M_{w}=0.7$ $f_{c}=38.5 \text{ Hz}$ $2018202222748$ $M_{L}=1.0 M_{w}=1.2$ $f_{c}=31.7 \text{ Hz}$ $2018203171420$ $10 100$
10 1 10 1 10	.0° - .0° - .0° -	2018199170820 $M_L=1.1 \ M_w=1.3 \ f_c=22.2 \ Hz$ 2018200100833 $M_L=0.4 \ M_w=0.7 \ f_c=27.0 \ Hz$ 2018200170651 $M_L=0.5 \ M_w=0.5 \ f_c=44.7 \ Hz$ 2018202225701 $M_L=0.5 \ M_w=0.6$	$M_{L}=0.8 M_{w}=0.9$ $f_{c}=35.7 Hz$ $2018200191849$ $M_{L}=0.5 M_{w}=0.7$ $f_{c}=45.3 Hz$ $2018202234429$ $M_{L}=1.1 M_{w}=1.2$	M <sub>L</sub> =0.9 M <sub>w</sub> =1.1 f <sub>c</sub> =26.4 Hz 2018200102006 2018201073346 2018203030928 M <sub>L</sub> =0.7 M <sub>w</sub> =0.9	$M_{L}=1.2 \ M_{w}=1.5$ $M_{L}=24.0 \ Hz$ $M_{L}=0.6 \ M_{w}=0.8$ $f_{c}=23.0 \ Hz$ $M_{L}=0.6 \ M_{w}=0.7$ $f_{c}=38.9 \ Hz$ $M_{L}=0.5 \ M_{w}=0.7$	$M_{L}=1.5 M_{W}=1.7$ $2018200105452$ $M_{L}=0.7 M_{W}=0.9$ $f_{c}=26.9 Hz$ $M_{L}=0.7 M_{W}=0.9$ $f_{c}=34.4 Hz$ $2018203090059$ $M_{L}=1.4 M_{W}=1.5$	$M_L=0.6 M_w=0.7$ $f_c=40.1 \text{ Hz}$ $M_L=1.2 M_w=1.2$ $f_c=33.3 \text{ Hz}$ $M_L=0.5 M_w=0.7$ $f_c=37.0 \text{ Hz}$ $M_L=0.9 M_w=1.3$	$M_{L}=0.7 \ M_{w}=1.1 \\ f_{c}=20.9 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=34.1 \ Hz$ $M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=42.0 \ Hz$ $2018203124722$ $M_{L}=0.5 \ M_{w}=0.6$	$M_{L}=0.6 M_{w}=0.7$ $f_{c}=39.1 \text{ Hz}$ $2018200143037$ $M_{L}=0.5 M_{w}=0.7$ $f_{c}=38.5 \text{ Hz}$ $2018202222748$ $M_{L}=1.0 M_{w}=1.2$ $f_{c}=31.7 \text{ Hz}$ $2018203171420$ $10 100$ $35$ $-28  substituting substitution substituting substituting substituting substituting substitution substituting substituting substitution sub$