| 10                         | 12          | $M_{L}=0.5 M_{W}=0.7$   | -   | $M_{L}=0.3 M_{W}=0.6$  | $M_{L}=0.6 M_{W}=0.9$  | $M_{\rm L}$ =0.7 $M_{\rm W}$ =0.8  | $M_{\rm L}$ =0.6 $M_{\rm W}$ =0.7  | $M_{L}=1.1 \ M_{W}=1.0$  | $M_{L}=0.4 M_{W}=0.7$  |
|----------------------------|-------------|---|---|--|--|--|--|--|--|
| 10                         | 10          | f <sub>c</sub> =52.7 Hz   |   | f <sub>c</sub> =54.2 Hz  | f <sub>c</sub> =37.5 Hz  | f <sub>c</sub> =50.7 Hz  | f <sub>c</sub> =47.4 Hz  | f <sub>c</sub> =43.5 Hz  | f <sub>c</sub> =38.5 Hz  |
|                            | 20          | 018156105500  | 2018156132827   | 2018157010141  | 2018157013858  | 2018157121700  | 2018158072013  | 2018158204112  | 2018159000959  |
| 10                         | 12 -        | $M_{L}$ =0.3 $M_{w}$ =0.5 $f_{c}$ =53.8 Hz  | $M_L = 0.8 M_W = 0.9$<br>$f_c = 54.2 \text{ Hz}$  | $M_L=0.8 M_w=1.0$<br>$f_c=40.0 \text{ Hz}$   | $M_L = 0.5 M_W = 0.7$<br>$f_c = 51.4 \text{ Hz}$   | $M_{L}$ =0.6 $M_{w}$ =0.7 $f_{c}$ =59.3 Hz   | $M_L = 0.5 M_w = 0.7$<br>$f_c = 50.6 \text{ Hz}$   | $M_{L}=1.0 \ M_{W}=1.4$ $f_{c}=34.8 \ Hz$  | $M_L=0.9 M_w=1.1$ $f_c=35.9 \text{ Hz}$  |
| 10                         | 10          |   |   | -  |  |  |  |  |  |
| 10                         | Ц.,,        | $M_{L}=0.7 M_{W}=0.9$   | 2018159035257<br>M <sub>L</sub> =0.4 M <sub>w</sub> =0.4  | 2018159044000<br>M <sub>L</sub> =0.3 M <sub>w</sub> =0.5   | 2018159120046<br>  | 2018159152310<br>M <sub>L</sub> =0.6 M <sub>w</sub> =0.7   | 2018160051518<br>  | 2018160054115<br>M <sub>L</sub> =0.2 M <sub>w</sub> =0.3   | 2018160102510<br>  |
| 10                         |             | $f_c = 47.9 \text{ Hz}$   | $f_c = 65.3 \text{ Hz}$   | $f_{c}$ =52.4 Hz   | $f_{c}=0.6 M_{W}=0.9$<br>$f_{c}=39.4 Hz$   | M <sub>L</sub> =0.6 M <sub>W</sub> =0.7<br>f <sub>c</sub> =59.1 Hz   | f <sub>c</sub> =53.0 Hz  | $f_c = 75.8 \text{ Hz}$  | M <sub>1</sub> =1.4 M <sub>W</sub> =1.0  |
| 10                         |             | 018160135358  | 2018160181943   | 2018160211026  | 2018161004449  | 2018161102425  | 2018161172544  | 2018162012825  | 2018162052548  |
| 10                         | 12 -        | $M_{L}=0.6 M_{W}=0.6$ $f_{c}=63.9 Hz$   | $M_{L}=0.6 M_{W}=0.6$<br>$f_{c}=52.5 Hz$  | $M_{L}=0.7 M_{W}=0.8$<br>$f_{c}=54.7 \text{ Hz}$   | -  | $M_{L}=0.9 \ M_{w}=1.1 \ f_{c}=38.7 \ Hz$  | $M_{L}=0.7 \ M_{W}=0.8$ $f_{c}=51.6 \ Hz$  | $M_{L}=0.9 \ M_{w}=1.1 \ f_{c}=39.1 \ Hz$  | $M_{L}=0.7 M_{W}=0.8$ $f_{c}=44.9 Hz$  |
| 10                         | 10          | 7 <sub>C</sub> =03.9 HZ   | 1 <sub>c</sub> =32.3 Hz   | 7с-34.7 п2   |  | I <sub>C</sub> -36.7 HZ  | I <sub>C</sub> =31.0 H2  | 1 <sub>C</sub> =39.1 Hz  | 7,-44.9 112  |
|                            | 20:         | 018162102701  | 2018162103517   | 2018162124708  | 2018162134139  | 2018162195803  | 2018162224749  | 2018163001121  | 2018163031320  |
| 10                         | 12 _        |   | $M_L=0.5 M_w=0.7$<br>$f_c=41.1 Hz$  | $M_L=1.1 M_w=1.3$<br>$f_c=32.1 Hz$   | $M_L=1.0 M_W=1.3$ $f_c=30.8 Hz$  | $M_{L}=0.7 M_{W}=0.7$<br>$f_{c}=56.2 Hz$   | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =46.4 Hz   | $M_L=0.2 M_w=0.4$ $f_c=56.7 \text{ Hz}$  | $M_L=0.4 M_w=0.6$<br>$f_c=61.6 Hz$   |
| 10                         | 10 _        |   |   | -  | -  |  |  |  |  |
|                            | Ļ.,,        | 018163115829  | 2018163132124   | 2018164031000  | 2018165002042  | 2018165152357  | 2018165200500  | 2018166021841  | 2018166111647  |
| 10                         | 12 -        | $M_L=1.0 M_w=1.1$<br>$f_c=47.9 Hz$  | $M_L=0.4 M_w=0.6$<br>$f_c=42.9 Hz$  | $M_L=0.6 M_w=0.7$ $f_c=37.0 \text{ Hz}$  | $M_{L}=0.4 M_{W}=0.6$<br>$f_{c}=58.7 Hz$   | $M_L=0.6 M_w=0.7$<br>$f_c=52.8 Hz$   | $M_L$ =0.4 $M_w$ =0.3 $f_c$ =62.8 Hz   | $M_L$ =0.4 $M_w$ =0.5 $f_c$ =51.9 Hz   | $M_L=0.8 M_w=1.0$<br>$f_c=33.9 \text{ Hz}$   |
| 10                         |             | 018168094946  | 2018168112428   | 2018169024000  | 2018169033430  | 2018169042045  | 2018169213726  | 2018169230658  | 2018170012100  |
| 10                         | Ц.,,        | $M_{L}=0.6 M_{W}=0.7$   | - M <sub>L</sub> =0.4 M <sub>w</sub> =0.7   | -  | -  | M <sub>L</sub> =0.8 M <sub>w</sub> =0.9  | M <sub>L</sub> =0.7 M <sub>w</sub> =0.8  | M <sub>L</sub> =0.7 M <sub>w</sub> =0.7  | - M <sub>L</sub> =0.5 M <sub>w</sub> =0.6  |
| 10                         | 10          | f <sub>c</sub> =53.9 Hz   | f <sub>c</sub> =34.6 Hz   |  |  | f <sub>c</sub> =47.5 Hz  | f <sub>c</sub> =37.0 Hz  | f <sub>c</sub> =38.9 Hz  | f <sub>c</sub> =44.2 Hz  |
|                            |             | 018170013500  | 2018170022530   | 2018170070706  | 2018170141444  | 2018170145100  | 2018170191546  | 2018170200105  | 2018170210141  |
| 10                         | 12          | M <sub>L</sub> =1.3 M <sub>w</sub> =1.6   | $M_L = 0.8 M_w = 0.9$<br>$f_c = 34.5 \text{ Hz}$  | $M_L = 0.8 M_w = 0.9$<br>$f_c = 33.3 \text{ Hz}$   | 1  | $M_{L}=0.7 M_{W}=0.8$ $f_{c}=50.1 Hz$  | $M_{L}=0.8 M_{W}=0.9$ $f_{c}=40.8 Hz$  | $M_L = 0.6 M_w = 0.6$<br>$f_c = 56.9 \text{ Hz}$   | $M_{L}=0.6 M_{W}=0.6$<br>$f_{c}=57.1 Hz$   |
| 10                         | 10 _        |   |   | -  | -  |  |  |  |  |
|                            | 20:         | 018171001230  | 2018171003700   | 2018171005900  | 2018171034700  | 2018171100309  | 2018171100500  | 2018171101020  | 2018171113245  |
| 10                         | 12          |   | $M_L=0.8 M_w=0.9$<br>$f_c=45.9 \text{ Hz}$  | $M_L=1.1 M_w=1.3$<br>$f_c=31.0 Hz$   | 1-6-M <sub>w</sub> =1-8-<br>7-034.1 Hz   | $M_L$ =0.4 $M_w$ =0.6 $f_c$ =50.7 Hz   | $M_L$ =0.8 $M_w$ =1.0 $f_c$ =30.2 Hz   | $M_L$ =0.5 $M_w$ =0.6 $f_c$ =45.3 Hz   | -  |
| 10                         |             | 018171120032  | 20101711  | 201017117  | 2010171055   | 2010171025   | 2010170037   | 20101700000  | 2010172047704  |
| 10                         | <b>Ļ</b> ,, | 018171120032<br>M <sub>L</sub> =0.6 M <sub>w</sub> =0.6   | 2018171170704<br>   | 2018171173814<br>  | 2018171232614<br>  | 2018171233929<br>M <sub>L</sub> =0.8 M <sub>w</sub> =0.9   | 2018172001100<br>M <sub>L</sub> =0.7 M <sub>w</sub> =0.8   | 2018172010600<br>M <sub>L</sub> =0.4 M <sub>w</sub> =0.5   | 2018172041700<br>  |
| 10                         |             | $M_{L}$ =0.6 $M_{W}$ =0.6 $f_{c}$ =51.3 Hz  | $M_{L}=0.8 M_{W}=0.9$<br>$f_{c}=49.8 \text{ Hz}$  | M <sub>L</sub> =1.2 M <sub>w</sub> =1.5<br>£=33.0 Hz   | $M_L = 0.8 M_W = 1.0$<br>$f_c = 34.2 \text{ Hz}$   | $M_{L}$ =0.8 $M_{W}$ =0.9 $f_{c}$ =42.3 Hz   | $M_{L}$ =0.7 $M_{w}$ =0.8 $f_{c}$ =48.1 Hz   | $M_L = 0.4 M_w = 0.5$<br>$f_c = 57.5 \text{ Hz}$   | $M_L=1.0 M_W=1.3$ $f_c=24.7 Hz$  |
| 10                         |             | 018172070230  | 2018172090030   | 2018172175518  | 2018172180735  | 2018172183326  | 2018172230708  | 2018172234909  | 2018173042858  |
| 10                         | 12 -        | $M_{L}=0.9 M_{W}=1.0$ $f_{c}=38.1 Hz$   | $M_{L}=0.7 M_{w}=0.9$<br>$f_{c}=37.5 Hz$  | $M_L=0.9 M_w=1.0$<br>$f_c=46.9 \text{ Hz}$   | $M_{L}=0.5 M_{w}=0.6$<br>$f_{c}=45.1 \text{ Hz}$   | $M_{L}=1.0 \ M_{W}=1.2 \ f_{c}=34.3 \ Hz$  | $M_{L}=1.1 \ M_{W}=1.3 \ f_{c}=28.5 \ Hz$  | $M_{L}=0.0 M_{W}=0.6$<br>$f_{c}=44.7 Hz$   | $M_{L}=0.6 M_{W}=0.7$ $f_{c}=43.0 Hz$  |
| 10                         | 10 _        |   |   |  | 7,2-43.1112  | - 1000   |  |  |  |
|                            | 20:         | 018173043508  | 2018173072237   | 2018173130130  | 2018173142304  | 2018173151655  | 2018173181236  | 2018173191258  | 2018173214953  |
| 10                         | 12          | $M_L = 0.8 M_w = 1.0$<br>$f_c = 33.7 \text{ Hz}$  | $M_L=0.7 M_w=0.8$ $f_c=44.8 \text{ Hz}$   | $M_L=0.9 M_w=1.0$<br>$f_c=29.6 \text{ Hz}$   | $M_L=1.0 M_w=1.2$<br>$f_c=37.2 Hz$   | $M_L = 0.7 M_W = 0.8$<br>$f_C = 55.0 \text{ Hz}$   | $M_L=1.1 M_W=1.3$<br>$f_c=37.4 \text{ Hz}$   | $M_L=0.6 M_w=0.6$ $f_c=54.2 \text{ Hz}$  | $M_L$ =0.5 $M_w$ =0.6 $f_c$ =52.5 Hz   |
| 10                         | 10 _        | No. of the last of  |   | -  | -  |  | -  |  |  |
| 10                         | L, , ,      | 018173220003  | 2018174040400   | 2018174043300  | 2018174062000  | 2018174064100  | 2018174085934  | 2018174131934  | 2018174154112  |
|                            |             | $M_{L}=1.1 M_{W}=1.2$<br>$f_{c}=30.1 Hz$  |   | $M_L=0.4 M_w=0.6$<br>$f_c=49.6 Hz$   | $M_{L}=0.8 M_{W}=1.0$<br>$f_{c}=29.5 Hz$   | $M_{L}$ =0.5 $M_{w}$ =0.5 $f_{c}$ =47.7 Hz   | $M_{L}$ =0.8 $M_{W}$ =0.9 $f_{c}$ =46.3 Hz   | $M_{L}$ =0.5 $M_{W}$ =0.7 $f_{c}$ =54.6 Hz   | $M_L=0.7 M_w=0.8$ $f_c=39.2 Hz$  |
| ctrum <i>ω</i> M (Nm) 10   |             | 018175062422  | 2018175071713   | 2018175132759  | 2018176001813  | 2018176155852  | 2018176170554  | 2018176210520  | 2018177104730  |
| g trum 10                  | 12 -        | $M_{L}=0.5 M_{W}=0.6$   | $M_{L}=0.9 M_{W}=1.2$   | $M_{L}=0.8 M_{W}=1.0$  | - M <sub>L</sub> =1.2 M <sub>w</sub> =1.4  | $M_{L}=0.9 M_{W}=1.0$  | 7-Mw=1.9   | $M_{L}=1.5 M_{W}=1.6$  | $M_{L}=0.6 M_{W}=0.8$  |
| spe                        | 10          | f <sub>c</sub> =56.5 Hz   | f <sub>c</sub> =37.5 Hz   | f <sub>c</sub> =40.3 Hz  | £=33.9 Hz  | f <sub>c</sub> =33.8 Hz  | 7 <sub>c</sub> =22.3 Hz  | - 25.8 H2  | f <sub>c</sub> =30.4 Hz  |
| placeme                    | 20:         | 018178152609  | 2018178222942   | 2018179053245  | 2018179233042  | 2018180013150  | 2018180040100  | 2018180094138  | 2018181040940  |
| source displacement        | 12 -        | M <sub>L</sub> =1.4 M <sub>w</sub> =1.6   | $M_L=0.8 M_w=1.1$ $f_c=33.4 Hz$   | $M_L=0.8 M_w=1.0$<br>$f_c=42.0 Hz$   | $M_L=1.0 M_w=1.2$ $f_c=34.8 \text{ Hz}$  | $M_{L}=1.1 M_{W}=1.3$<br>$f_{c}=29.2 \text{ Hz}$   | $M_L = 0.8 M_W = 1.0$<br>$f_c = 33.5 \text{ Hz}$   | $M_L = 0.9 M_w = 1.0$<br>$f_c = 42.0 \text{ Hz}$   | $M_L=0.7 M_w=0.9$ $f_c=35.2 Hz$  |
| nos 10                     | 10 _        |   |   | -  | -  | -  |  |  | -  |
|                            | Ļ.,,        | 018181065239  | 2018181192300   | 2018182124340  | 2018182203248  | 2018182212250  | 2018182233301  | 2018183155952  | 2018183202531  |
| 10                         | -04         | $M_{L}=1.0 M_{W}=1.2$<br>$f_{c}=28.2 Hz$  | $M_{L}=0.6 M_{W}=0.7$<br>$f_{c}=42.0 Hz$  | $M_{L}=1.1 M_{W}=1.2$<br>$f_{c}=33.8 Hz$   | $M_{L}=1.2 M_{W}=1.4$<br>$f_{c}=27.5 Hz$   | $M_L = 0.9 M_W = 1.1$<br>$f_c = 34.9 \text{ Hz}$   | $M_L=1.1 M_w=1.2$<br>$f_c=32.9 \text{ Hz}$   | $M_L=1.1 M_W=1.0$<br>$f_c=38.9 \text{ Hz}$   | $M_L=0.7 M_w=0.9$<br>$f_c=40.1 Hz$   |
| 10                         |             | 018183215029  | 2018184003003   | 2018184201046  | 2018184202906  | 2018185001326  | 2018185014623  | 2018185034551  | 2018185120950  |
| 10                         | 12 -        | $M_{L}=0.7 M_{W}=0.9$   | $M_{L}=0.7 M_{W}=0.7$   | $M_{L}=1.4 M_{W}=1.6$  | -  | $M_{\rm L} = 0.8 \ M_{\rm W} = 0.9$  | $M_{\rm L} = 0.9 \; M_{\rm W} = 1.0$   | $M_{L}=0.5 M_{W}=0.6$  | - M <sub>L</sub> =0.7 M <sub>w</sub> =0.7  |
| 10                         | 10 _        | f <sub>c</sub> =40.4 Hz   | f <sub>c</sub> =42.0 Hz   |  |  | f <sub>c</sub> =42.5 Hz  | f <sub>c</sub> =37.0 Hz  | f <sub>c</sub> =46.3 Hz  | f <sub>c</sub> =40.6 Hz  |
|                            | 20:         | 018185145450  | 2018185155423   | 2018186070100  | 2018186092109  | 2018186115357  | 2018186131522  | 2018186202646  | 2018186215007  |
| 10                         | 12          | $M_{L}$ =0.6 $M_{W}$ =0.7 $f_{c}$ =41.5 Hz  | $M_L=0.6 M_w=0.6$<br>$f_c=49.2 Hz$  | M <sub>L</sub> =1.3 M <sub>w</sub> =1.6  | $M_{L}=0.8 M_{W}=1.0$<br>$f_{c}=31.0 Hz$   | $M_{L}$ =0.6 $M_{W}$ =0.7 $f_{c}$ =33.5 Hz   | M <sub>L</sub> =1.4 M <sub>W</sub> =1.6  | $M_{L}=1.0 \ M_{W}=1.2$<br>$f_{c}=35.5 \ Hz$   | $M_L=0.7 M_w=0.8$<br>$f_c=46.5 Hz$   |
| 10                         | 10          |   |   | -  | -  | -  |  | -  |  |
| 10                         | <u> </u>    | 018187034808  | 2018187062657   | 2018187084836  | 2018188142051  | 2018188161324  | 2018188173124  | 2018188175428  | 2018188193122  |
| 10                         |             | $M_{L}$ =0.7 $M_{W}$ =0.8 $f_{c}$ =40.0 Hz  | $M_L$ =0.8 $M_w$ =1.0 $f_c$ =32.0 Hz  | $M_L = 0.7 M_w = 0.9$<br>$f_c = 30.4 \text{ Hz}$   | $M_{L}$ =0.6 $M_{W}$ =0.8 $f_{c}$ =51.6 Hz   | $M_{L}=0.7 M_{W}=0.7$<br>$f_{c}=48.3 Hz$   | $M_{L}$ =0.6 $M_{w}$ =0.7 $f_{c}$ =44.0 Hz   | $M_L$ =0.4 $M_w$ =0.6 $f_c$ =49.1 Hz   | $M_L=0.5 M_w=1.0$<br>$f_c=36.5 Hz$   |
| 10                         |             | 018188202905  | 2018188214438   | 2018188214700  | 2018188214802  | 2018189060720  | 2018189070845  | 2018189095118  | 2018189132738  |
| 10                         | Ц.,,        | $M_{L}=0.8 \ M_{w}=1.0 \ f_{c}=35.7 \ Hz$   | $M_{L}=0.8 M_{W}=0.9$<br>$f_{c}=38.2 \text{ Hz}$  | $M_L=0.6 M_w=0.8$<br>$f_c=35.7 \text{ Hz}$   | $M_{L}=0.8 M_{W}=1.1$  | $M_{L}=0.6 M_{W}=0.8$ $f_{c}=46.4 \text{ Hz}$  | - M <sub>w</sub> =2.0 - f <sub>r</sub> =0.5 Hz   | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=48.0 \text{ Hz}$  | $M_{L}=0.6 M_{W}=0.7$  |
| 10                         | 10 _        | ı <sub>c</sub> =35.7 Hz   | r <sub>c</sub> =38.2 Hz   | r <sub>c</sub> =35.7 Hz  | f <sub>c</sub> =34.3 Hz  | τ <sub>c</sub> =46.4 Hz  | τ <sub>c</sub> = 1.5 Hz  | r <sub>c</sub> =48.0 Hz  | f <sub>c</sub> =43.6 Hz  |
|                            | 20:         | 018189132728  | 2018189142028   | 2018189152317  | 2018189160854  | 2018189163251  | 2018189173537  | 2018189195043  | 2018190005253  |
| 10                         | 12          | $M_{L}=1.1 M_{W}=1.3$<br>$f_{C}=38.2 Hz$  | $M_L=0.3 M_w=0.5$<br>$f_c=45.7 \text{ Hz}$  | $M_L=0.8 M_w=0.9$<br>$f_c=39.8 Hz$   | M <sub>L</sub> =1.3 M <sub>w</sub> =1.6  | $M_L = 0.5 M_w = 0.5$<br>$f_c = 55.1 \text{ Hz}$   | $M_L = 0.6 M_W = 0.8$<br>$f_c = 41.2 \text{ Hz}$   | $M_{L}=1.3 M_{W}=1.6$  | $M_L=0.8 M_w=0.9$ $f_c=39.3 Hz$  |
| 10                         | 10 _        | - ARRON   | -   |  |  |  |  |  |  |
| 10                         | Ц.,,        | 018190020811<br>  | 2018190025747<br>   | 2018190155046  | 2018193142500  | 2018193204529<br>  | 2018194085018<br>  | 2018194133411  | 2018195011432<br>  |
| 10                         |             | $M_{L}$ =0.6 $M_{w}$ =0.6 $f_{c}$ =50.1 Hz  | $M_L = 0.9 M_W = 1.2$<br>$f_c = 27.8 \text{ Hz}$  | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =58.4 Hz   | $M_{L}=0.6 M_{W}=0.7$<br>$f_{c}=38.8 \text{ Hz}$   | $M_{L}$ =0.8 $M_{W}$ =0.9 $f_{c}$ =36.0 Hz   | $M_{L}$ =0.8 $M_{W}$ =1.0 $f_{c}$ =33.0 Hz   |  | $M_L=0.7 M_w=0.9$<br>$f_c=45.3 Hz$   |
| 10                         |             | 018195074501  | 2018195123640   | 2018195172331  | 2018195195343  | 2018196003937  | 2018196010738  | 2018196071020  | 2018196133941  |
| 10                         | 12          | $M_{L}=0.7 \ M_{W}=0.7 \ f_{c}=54.6 \ Hz$   | $M_{L}=0.7 M_{w}=0.9$<br>$f_{c}=42.7 Hz$  | $M_{L}=0.6 M_{W}=0.6$<br>$f_{c}=53.1 \text{ Hz}$   | $M_{L}=0.6 M_{W}=0.8$<br>$f_{c}=41.9 \text{ Hz}$   | f <sub>c</sub> =0.2 Hz   | $M_{L}=0.9~M_{W}=1.1$ $f_{c}=38.4~Hz$  | $M_{L}=0.6 M_{W}=0.7$ $f_{c}=50.3 Hz$  | $M_L=1.3 M_W=1.6$  |
| 10                         |             | 5 1.0 112   | ال۱۲ ۱۱۷  | ا ۱۱۸ ۱۱۸ در -۱۸۰  | 211 E. 11-   | -  | - 33.4112  | ., 55.5 112  |  |
|                            | 10          |   | -   | -  |  |  |  |  | 1  |
|                            |             | 018196200450  | 2018197015541   | 2018197070436  | 2018197091659  | 2018197172535  | 2018197183626  | 2018199080816  | 2018199104200  |
| 10                         | 20:         | $M_L = 0.9 M_W = 1.2 f_c = 31.9 Hz$   | $M_{L}=0.7 M_{W}=0.8$ $f_{c}=54.0 \text{ Hz}$   | 2018197070436<br>  | $M_{L}=0.5 M_{W}=0.5 f_{c}=54.2 \text{ Hz}$  | 2018197172535<br>  | 2018197183626<br>M <sub>L</sub> =0.5 M <sub>w</sub> =0.7<br>f <sub>c</sub> =50.6 Hz  | 2018199080816<br>M <sub>L</sub> =0.5 M <sub>w</sub> =0.6<br>f <sub>c</sub> =60.9 Hz  | 2018199104200<br>  |
| 10<br>10                   | 12          | $M_{L}=0.9 M_{W}=1.2$   | $M_{L}=0.7 M_{W}=0.8$   | $M_{L}=0.5 M_{W}=0.6$  | $M_{L}=0.5 M_{w}=0.5$  | $M_{L}=1.2 M_{W}=1.5$  | $M_{L}$ =0.5 $M_{W}$ =0.7 $f_{c}$ =50.6 Hz   | $M_{L}=0.5 M_{W}=0.6$  | $M_{L}=1.0 M_{W}=1.2$  |
| 10                         | 12          | $M_{L}=0.9 M_{W}=1.2$ $f_{c}=31.9 \text{ Hz}$ $0.18199170820$   | $M_{L}=0.7 M_{W}=0.8$   | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =52.0 Hz   | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=54.2 \text{ Hz}$ 2018199204703  | M <sub>L</sub> =1.2 M <sub>w</sub> =1.5<br>£=23.0-H <del>z</del> -   | M <sub>L</sub> =0.5 M <sub>w</sub> =0.7<br>f <sub>c</sub> =50.6 Hz   | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =60.9 Hz   | M <sub>L</sub> =1.0 M <sub>w</sub> =1.2<br>f <sub>c</sub> =34.4 Hz   |
| 10                         | 12          | $M_{L}=0.9 M_{W}=1.2$ $f_{c}=31.9 \text{ Hz}$   | $M_{L}=0.7 M_{w}=0.8$<br>$f_{c}=54.0 \text{ Hz}$  | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =52.0 Hz   | $M_{L}=0.5 M_{W}=0.5$<br>$f_{c}=54.2 \text{ Hz}$   | M <sub>L</sub> =1.2 M <sub>w</sub> =1.5<br>£=23.0-Hz   | $M_{L}$ =0.5 $M_{W}$ =0.7 $f_{c}$ =50.6 Hz   | $M_L=0.5 M_w=0.6$<br>$f_c=60.9 Hz$   | $M_L=1.0 M_W=1.2$ $f_c=34.4 Hz$  |
| 10                         | 12          | $M_{L}=0.9 M_{W}=1.2$ $f_{c}=31.9 Hz$ $0.18199170820$ $M_{L}=1.1 M_{W}=1.2$   | $M_{L}=0.7 M_{w}=0.8$<br>$f_{c}=54.0 \text{ Hz}$  | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =52.0 Hz   | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=54.2 \text{ Hz}$ 2018199204703  | M <sub>L</sub> =1.2 M <sub>w</sub> =1.5<br>£=23.0-Hz<br>2018199224500<br>M <sub>L</sub> =1.5 M <sub>w</sub> =1.6   | M <sub>L</sub> =0.5 M <sub>w</sub> =0.7<br>f <sub>c</sub> =50.6 Hz<br>2018200015608<br>M <sub>L</sub> =0.6 M <sub>w</sub> =0.6   | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =60.9 Hz 2018200040208 $M_{L}$ =0.7 $M_{w}$ =1.0   | $M_L=1.0 M_w=1.2$ $f_c=34.4 Hz$ $0.08200082657$ $M_L=0.6 M_w=0.7$  |
| 10                         | 12          | $M_{L}$ =0.9 $M_{w}$ =1.2 $f_{c}$ =31.9 Hz $M_{L}$ =0.18199170820 $M_{L}$ =1.1 $M_{w}$ =1.2 $M_{L}$ =1.6 Hz $M_{L}$ =0.4 $M_{W}$ =0.6   | $M_{L}=0.7 M_{W}=0.8$ $f_{c}=54.0 \text{ Hz}$ $2018199170914$ $2018200100919$ $M_{L}=0.8 M_{W}=0.9$   | $M_{L}=0.5 M_{w}=0.6$ $f_{c}=52.0 \text{ Hz}$ $2018199194117$ $M_{L}=0.9 M_{w}=1.0$ $f_{c}=37.5 \text{ Hz}$  | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=54.2 \text{ Hz}$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=31.8 \text{ Hz}$ $M_{L}=0.6 M_{W}=0.7$  | M <sub>L</sub> =1.2 M <sub>w</sub> =1.5<br>£=23.0 Hz<br>2018199224500<br>M <sub>L</sub> =1.5 M <sub>w</sub> =1.6<br>24.5 Hz<br>M <sub>L</sub> =0.7 M <sub>w</sub> =0.8   | $M_{L}$ =0.5 $M_{w}$ =0.7 $f_{c}$ =50.6 Hz  2018200015608 $M_{L}$ =0.6 $M_{w}$ =0.6 $f_{c}$ =56.1 Hz $M_{L}$ =1.2 $M_{w}$ =1.2   | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =60.9 Hz 2018200040208 $M_{L}$ =0.7 $M_{w}$ =1.0 $f_{c}$ =32.1 Hz 2018200134612 $M_{L}$ =0.5 $M_{w}$ =0.6  | $M_L=1.0 M_w=1.2$ $f_c=34.4 \text{ Hz}$ $M_L=0.6 M_w=0.7$ $f_c=51.9 \text{ Hz}$ $M_L=0.5 M_w=0.6$  |
| 10<br>10<br>10             | 12          | $M_{L}$ =0.9 $M_{w}$ =1.2 $f_{c}$ =31.9 Hz $M_{L}$ =0.18199170820 $M_{L}$ =1.1 $M_{w}$ =1.2 $M_{C}$ =1.6 Hz $M_{C}$ =1.1 $M_{W}$ =1.2 $M_{C}$ =1.2 $M_{C}$ =1.3 | M <sub>L</sub> =0.7 M <sub>w</sub> =0.8<br>f <sub>c</sub> =54.0 Hz<br>2018199170914<br>2018200100919  | $M_{L}=0.5 M_{W}=0.6$ $f_{c}=52.0 \text{ Hz}$ $M_{L}=0.9 M_{W}=1.0$ $f_{c}=37.5 \text{ Hz}$ $M_{L}=0.9 M_{W}=1.0$  | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=54.2 \text{ Hz}$ 2018199204703 $M_{L}=1.2 M_{W}=1.5$ $f_{c}=31.8 \text{ Hz}$  | M <sub>L</sub> =1.2 M <sub>w</sub> =1.5<br>£=23.0 Hz<br>2018199224500<br>M <sub>L</sub> =1.5 M <sub>w</sub> =1.6<br>24.5 Hz  | $M_{L}$ =0.5 $M_{w}$ =0.7 $f_{c}$ =50.6 Hz 2018200015608 $M_{L}$ =0.6 $M_{w}$ =0.6 $f_{c}$ =56.1 Hz 2018200105703  | $M_L=0.5 M_w=0.6$ $f_c=60.9 \text{ Hz}$ $M_L=0.7 M_w=1.0$ $f_c=32.1 \text{ Hz}$ $M_L=0.7 M_w=1.0$  | $M_L=1.0 M_w=1.2$ $f_c=34.4 \text{ Hz}$ 2018200082657 $M_L=0.6 M_w=0.7$ $f_c=51.9 \text{ Hz}$ 2018200143037  |
| 10<br>10<br>10             | 12          | $M_{L}$ =0.9 $M_{w}$ =1.2 $f_{c}$ =31.9 Hz $M_{L}$ =0.18199170820 $M_{L}$ =1.1 $M_{w}$ =1.2 $M_{L}$ =1.6 Hz $M_{L}$ =0.4 $M_{W}$ =0.6   | $M_{L}=0.7 M_{W}=0.8$ $f_{c}=54.0 \text{ Hz}$ $2018199170914$ $2018200100919$ $M_{L}=0.8 M_{W}=0.9$   | $M_{L}=0.5 M_{w}=0.6$ $f_{c}=52.0 \text{ Hz}$ $2018199194117$ $M_{L}=0.9 M_{w}=1.0$ $f_{c}=37.5 \text{ Hz}$  | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=54.2 \text{ Hz}$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=31.8 \text{ Hz}$ $M_{L}=0.6 M_{W}=0.7$  | M <sub>L</sub> =1.2 M <sub>w</sub> =1.5<br>£=23.0 Hz<br>2018199224500<br>M <sub>L</sub> =1.5 M <sub>w</sub> =1.6<br>24.5 Hz<br>M <sub>L</sub> =0.7 M <sub>w</sub> =0.8   | $M_{L}$ =0.5 $M_{w}$ =0.7 $f_{c}$ =50.6 Hz  2018200015608 $M_{L}$ =0.6 $M_{w}$ =0.6 $f_{c}$ =56.1 Hz $M_{L}$ =1.2 $M_{w}$ =1.2   | $M_{L}$ =0.5 $M_{w}$ =0.6 $f_{c}$ =60.9 Hz 2018200040208 $M_{L}$ =0.7 $M_{w}$ =1.0 $f_{c}$ =32.1 Hz 2018200134612 $M_{L}$ =0.5 $M_{w}$ =0.6  | $M_L=1.0 M_w=1.2$ $f_c=34.4 \text{ Hz}$ $M_L=0.6 M_w=0.7$ $f_c=51.9 \text{ Hz}$ $M_L=0.5 M_w=0.6$  |
| 10<br>10<br>10             | 12          | $M_{L}=0.9 M_{W}=1.2$ $f_{c}=31.9 \text{ Hz}$ $018199170820$ $M_{L}=1.1 M_{W}=1.2$ $f_{c}=31.6 \text{ Hz}$ $018200100833$ $M_{L}=0.4 M_{W}=0.6$ $f_{c}=40.2 \text{ Hz}$   | $M_{L}=0.7 M_{w}=0.8$ $f_{c}=54.0 \text{ Hz}$ $2018199170914$ $2018200100919$ $M_{L}=0.8 M_{w}=0.9$ $f_{c}=46.0 \text{ Hz}$   | $M_{L}=0.5 M_{W}=0.6$ $f_{c}=52.0 \text{ Hz}$ $M_{L}=0.9 M_{W}=1.0$ $f_{c}=37.5 \text{ Hz}$ $M_{L}=0.9 M_{W}=1.0$  | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=54.2 \text{ Hz}$ $2018199204703$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=31.8 \text{ Hz}$ $M_{L}=0.6 M_{W}=0.7$ $f_{c}=37.2 \text{ Hz}$  | $M_{L}=1.2 \ M_{w}=1.5$ $f=23.0 \ Hz$ $2018199224500$ $M_{L}=1.5 \ M_{w}=1.6$ $2018200105452$ $M_{L}=0.7 \ M_{w}=0.8$ $f_{c}=38.1 \ Hz$  | $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=50.6 \ Hz$ $2018200015608$ $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=56.1 \ Hz$ $2018200105703$ $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=42.0 \ Hz$   | $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=60.9 \ Hz$ $2018200040208$ $M_{L}=0.7 \ M_{w}=1.0 \\ f_{c}=32.1 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=47.3 \ Hz$   | $M_{L}=1.0 M_{w}=1.2 f_{c}=34.4 Hz$ $2018200082657$ $M_{L}=0.6 M_{w}=0.7 f_{c}=51.9 Hz$ $2018200143037$ $M_{L}=0.5 M_{w}=0.6 f_{c}=49.6 Hz$  |
| 10<br>10<br>10             | 12          | $M_{L}=0.9 M_{W}=1.2 f_{c}=31.9 Hz$ $M_{L}=1.1 M_{W}=1.2 f_{c}=31.6 Hz$ $M_{L}=0.4 M_{W}=0.6 f_{c}=40.2 Hz$ $M_{L}=0.5 M_{W}=0.5$   | $M_{\rm L}=0.7~M_{\rm w}=0.8$ $f_{\rm c}=54.0~{\rm Hz}$ 2018199170914 $M_{\rm L}=0.8~M_{\rm w}=0.9$ $f_{\rm c}=46.0~{\rm Hz}$ 2018200191849 $M_{\rm L}=0.5~M_{\rm w}=0.6$   | $M_{L}=0.5 M_{W}=0.6$ $f_{c}=52.0 \text{ Hz}$ $M_{L}=0.9 M_{W}=1.0$ $f_{c}=37.5 \text{ Hz}$ $M_{L}=0.9 M_{W}=1.0$  | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=54.2 \text{ Hz}$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=31.8 \text{ Hz}$ $M_{L}=0.6 M_{W}=0.7$ $f_{c}=37.2 \text{ Hz}$ $M_{L}=0.6 M_{W}=0.6$  | $M_{L}=1.2 \ M_{w}=1.5$ $f=23.0 \ Hz$ $M_{L}=1.5 \ M_{w}=1.6$ $M_{L}=1.5 \ M_{w}=1.6$ $M_{L}=1.5 \ M_{w}=0.8$ $M_{C}=38.1 \ Hz$ $M_{L}=0.7 \ M_{w}=0.9$  | $M_{L}=0.5 \ M_{w}=0.7 \ f_{c}=50.6 \ Hz$ $2018200015608$ $M_{L}=0.6 \ M_{w}=0.6 \ f_{c}=56.1 \ Hz$ $M_{L}=1.2 \ M_{w}=1.2 \ f_{c}=42.0 \ Hz$ $M_{L}=0.5 \ M_{w}=0.6$  | $M_{L}=0.5 \ M_{w}=0.6 \ f_{c}=60.9 \ Hz$ $2018200040208$ $M_{L}=0.7 \ M_{w}=1.0 \ f_{c}=32.1 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.6 \ f_{c}=47.3 \ Hz$ $2018202144515$ $M_{L}=0.7 \ M_{w}=0.7$  | $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=34.4  Hz$ $2018200082657$ $M_{L}=0.6  M_{W}=0.7 \\ f_{c}=51.9  Hz$ $2018200143037$ $M_{L}=0.5  M_{W}=0.6 \\ f_{c}=49.6  Hz$ $2018202222748$ $M_{L}=1.0  M_{W}=1.2$  |
| 10<br>10<br>10<br>10       | 12          | $M_{L}=0.9 M_{W}=1.2 f_{c}=31.9 Hz$ $M_{L}=1.1 M_{W}=1.2 f_{c}=31.6 Hz$ $M_{L}=0.4 M_{W}=0.6 f_{c}=40.2 Hz$ $M_{L}=0.5 M_{W}=0.5$   | $M_{L}=0.7 M_{W}=0.8$ $f_{c}=54.0 \text{ Hz}$ $2018199170914$ $M_{L}=0.8 M_{W}=0.9$ $f_{c}=46.0 \text{ Hz}$ $2018200191849$ $M_{L}=0.5 M_{W}=0.6$ $f_{c}=57.0 \text{ Hz}$ $2018202234429$   | M <sub>L</sub> =0.5 M <sub>w</sub> =0.6<br>f <sub>c</sub> =52.0 Hz  2018199194117  M <sub>L</sub> =0.9 M <sub>w</sub> =1.0<br>f <sub>c</sub> =37.5 Hz  2018200102006  2018201073346  2018203030928                           | $M_{L}=0.5 M_{W}=0.5$ $f_{c}=54.2 \text{ Hz}$ $M_{L}=1.2 M_{W}=1.5$ $f_{c}=31.8 \text{ Hz}$ $M_{L}=0.6 M_{W}=0.7$ $f_{c}=37.2 \text{ Hz}$ $M_{L}=0.6 M_{W}=0.6$  | $M_{L}=1.2\ M_{w}=1.5$ $f=23.0\ Hz$ $2018199224500$ $M_{L}=1.5\ M_{w}=1.6$ $24.5\ Hz$ $M_{L}=0.7\ M_{w}=0.8$ $f_{c}=38.1\ Hz$ $M_{L}=0.7\ M_{w}=0.9$ $f_{c}=44.7\ Hz$ $2018203090059$  | $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=50.6 \ Hz$ $2018200015608$ $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=56.1 \ Hz$ $2018200105703$ $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=42.0 \ Hz$ $2018202134535$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=49.9 \ Hz$ $2018203113243$  | $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=60.9 \ Hz$ $2018200040208$ $M_{L}=0.7 \ M_{w}=1.0 \\ f_{c}=32.1 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=47.3 \ Hz$ $2018202144515$ $M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=54.9 \ Hz$ $2018203124722$  | $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=34.4  \text{Hz}$ $2018200082657$ $M_{L}=0.6  M_{W}=0.7 \\ f_{c}=51.9  \text{Hz}$ $2018200143037$ $M_{L}=0.5  M_{W}=0.6 \\ f_{c}=49.6  \text{Hz}$ $2018202222748$ $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=40.3  \text{Hz}$ $2018203171420$ $10  100$    |
| 10<br>10<br>10<br>10<br>10 | 12          | $M_{L}$ =0.9 $M_{W}$ =1.2 $f_{c}$ =31.9 Hz $M_{L}$ =0.18199170820 $M_{L}$ =1.1 $M_{W}$ =1.2 $f_{c}$ =31.6 Hz $M_{L}$ =0.4 $M_{W}$ =0.6 $M_{L}$ =0.5 $M_{W}$ =0.5 $M_{L}$ =0.5 $M_{W}$ =0.5 $M_{L}$  | $M_{L}=0.7 M_{w}=0.8$ $f_{c}=54.0 \text{ Hz}$ $2018199170914$ $M_{L}=0.8 M_{w}=0.9$ $f_{c}=46.0 \text{ Hz}$ $2018200191849$ $M_{L}=0.5 M_{w}=0.6$ $f_{c}=57.0 \text{ Hz}$   | $M_{L}=0.5 M_{W}=0.6$ $f_{c}=52.0 \text{ Hz}$ $M_{L}=0.9 M_{W}=1.0$ $f_{c}=37.5 \text{ Hz}$ $M_{L}=0.9 M_{W}=1.0$ $M_{L}=0.9 M_{W}=1.0$ $M_{L}=0.9 M_{W}=1.0$ $M_{L}=0.9 M_{W}=1.0$ $M_{L}=0.9 M_{W}=1.0$                    | $M_{L}=0.5  M_{W}=0.5 \\ f_{c}=54.2  Hz$ $2018199204703$ $M_{L}=1.2  M_{W}=1.5 \\ f_{c}=31.8  Hz$ $M_{L}=0.6  M_{W}=0.7 \\ f_{c}=37.2  Hz$ $M_{L}=0.6  M_{W}=0.6 \\ f_{c}=50.2  Hz$  | $M_{L}=1.2 \ M_{w}=1.5$ $f_{+}=23.0 \ \text{Hz}$ $2018199224500$ $M_{L}=1.5 \ M_{w}=1.6$ $-24.5 \ \text{Hz}$ $2018200105452$ $M_{L}=0.7 \ M_{w}=0.8$ $f_{c}=38.1 \ \text{Hz}$ $M_{L}=0.7 \ M_{w}=0.9$ $f_{c}=44.7 \ \text{Hz}$                                 | $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=50.6 \ Hz$ $2018200015608$ $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=56.1 \ Hz$ $2018200105703$ $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=42.0 \ Hz$ $2018202134535$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=49.9 \ Hz$  | $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=60.9 \ Hz$ $2018200040208$ $M_{L}=0.7 \ M_{w}=1.0 \\ f_{c}=32.1 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=47.3 \ Hz$ $2018202144515$ $M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=54.9 \ Hz$  | $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=34.4  Hz$ $2018200082657$ $M_{L}=0.6  M_{W}=0.7 \\ f_{c}=51.9  Hz$ $2018200143037$ $M_{L}=0.5  M_{W}=0.6 \\ f_{c}=49.6  Hz$ $2018202222748$ $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=40.3  Hz$ $2018203171420$ $10  100$ $135$                          |
| 10<br>10<br>10<br>10       | 12          | $M_{L}=0.9  M_{W}=1.2  f_{c}=31.9  Hz$ $M_{L}=1.1  M_{W}=1.2  f_{c}=31.6  Hz$ $M_{L}=0.4  M_{W}=0.6  f_{c}=40.2  Hz$ $M_{L}=0.5  M_{W}=0.5  f_{c}=57.4  Hz$   | $M_{L}=0.7  M_{W}=0.8 \\ f_{c}=54.0  \text{Hz}$ $2018199170914$ $M_{L}=0.8  M_{W}=0.9 \\ f_{c}=46.0  \text{Hz}$ $2018200191849$ $M_{L}=0.5  M_{W}=0.6 \\ f_{c}=57.0  \text{Hz}$ $2018202234429$ $M_{L}=1.1  M_{W}=1.2 \\ f_{c}=37.6  \text{Hz}$ | $M_{L}=0.5 M_{w}=0.6 \\ f_{c}=52.0 \text{ Hz}$ $2018199194117$ $M_{L}=0.9 M_{w}=1.0 \\ f_{c}=37.5 \text{ Hz}$ $2018200102006$ $2018201073346$ $M_{L}=0.7 M_{w}=0.8 \\ f_{c}=44.3 \text{ Hz}$                                 | $M_{L}=0.5  M_{W}=0.5 \\ f_{c}=54.2  Hz$ $2018199204703$ $M_{L}=1.2  M_{W}=1.5 \\ f_{c}=31.8  Hz$ $2018200105407$ $M_{L}=0.6  M_{W}=0.7 \\ f_{c}=37.2  Hz$ $M_{L}=0.6  M_{W}=0.6 \\ f_{c}=50.2  Hz$ $2018203081713$ $M_{L}=0.5  M_{W}=0.6 \\ f_{c}=49.0  Hz$ | $M_{L}=1.2  M_{w}=1.5$ $f=23.0  Hz$ $2018199224500$ $M_{L}=1.5  M_{w}=1.6$ $-24.5  Hz$ $2018200105452$ $M_{L}=0.7  M_{w}=0.8$ $f_{c}=38.1  Hz$ $2018202112855$ $M_{L}=0.7  M_{w}=0.9$ $f_{c}=44.7  Hz$ $2018203090059$ $M_{L}=1.4  M_{w}=1.5$ $f_{s}=32.3  Hz$ | $M_{L}=0.5 \ M_{w}=0.7 \\ f_{c}=50.6 \ Hz$ $2018200015608$ $M_{L}=0.6 \ M_{w}=0.6 \\ f_{c}=56.1 \ Hz$ $2018200105703$ $M_{L}=1.2 \ M_{w}=1.2 \\ f_{c}=42.0 \ Hz$ $2018202134535$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=49.9 \ Hz$ $2018203113243$ $M_{L}=0.9 \ M_{w}=1.3 \\ f_{c}=31.1 \ Hz$ | $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=60.9 \ Hz$ $2018200040208$ $M_{L}=0.7 \ M_{w}=1.0 \\ f_{c}=32.1 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=47.3 \ Hz$ $2018202144515$ $M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=54.9 \ Hz$ $2018203124722$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=49.3 \ Hz$ | $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=34.4  Hz$ $2018200082657$ $M_{L}=0.6  M_{W}=0.7 \\ f_{c}=51.9  Hz$ $2018200143037$ $M_{L}=0.5  M_{W}=0.6 \\ f_{c}=49.6  Hz$ $2018202222748$ $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=40.3  Hz$ $2018203171420$ $10  100$                                |
| 10<br>10<br>10<br>10<br>10 | 12          | $M_{L}=0.9 M_{W}=1.2 f_{c}=31.9 Hz$ $D18199170820$ $M_{L}=1.1 M_{W}=1.2 f_{c}=31.6 Hz$ $D18200100833$ $M_{L}=0.4 M_{W}=0.6 f_{c}=40.2 Hz$ $D18200170651$ $M_{L}=0.5 M_{W}=0.5 f_{c}=57.4 Hz$  | $M_{L}=0.7 \ M_{W}=0.8 \\ f_{c}=54.0 \ Hz$ $2018199170914$ $M_{L}=0.8 \ M_{W}=0.9 \\ f_{c}=46.0 \ Hz$ $2018200191849$ $M_{L}=0.5 \ M_{W}=0.6 \\ f_{c}=57.0 \ Hz$ $2018202234429$ $M_{L}=1.1 \ M_{W}=1.2$  | M <sub>L</sub> =0.5 M <sub>w</sub> =0.6<br>f <sub>c</sub> =52.0 Hz  2018199194117  M <sub>L</sub> =0.9 M <sub>w</sub> =1.0<br>f <sub>c</sub> =37.5 Hz  2018200102006  2018201073346  M <sub>L</sub> =0.7 M <sub>w</sub> =0.8 | $M_{L}=0.5 \ M_{W}=0.5 \\ f_{c}=54.2 \ Hz$ $2018199204703$ $M_{L}=1.2 \ M_{W}=1.5 \\ f_{c}=31.8 \ Hz$ $2018200105407$ $M_{L}=0.6 \ M_{W}=0.7 \\ f_{c}=37.2 \ Hz$ $M_{L}=0.6 \ M_{W}=0.6 \\ f_{c}=50.2 \ Hz$ $2018203081713$ $M_{L}=0.5 \ M_{W}=0.6$          | $M_{L}=1.2 \ M_{w}=1.5$ $f_{+}=23.0 \ \text{Hz}$ $M_{L}=1.5 \ M_{w}=1.6$ $M_{L}=1.5 \ M_{w}=1.6$ $M_{L}=0.7 \ M_{w}=0.8$ $M_{C}=38.1 \ \text{Hz}$ $M_{L}=0.7 \ M_{w}=0.9$ $M_{C}=44.7 \ \text{Hz}$ $M_{L}=0.4 \ M_{w}=1.5$                                     | $M_{L}=0.5 \ M_{w}=0.7 \ f_{c}=50.6 \ Hz$ $2018200015608$ $M_{L}=0.6 \ M_{w}=0.6 \ f_{c}=56.1 \ Hz$ $2018200105703$ $M_{L}=1.2 \ M_{w}=1.2 \ f_{c}=42.0 \ Hz$ $2018202134535$ $M_{L}=0.5 \ M_{w}=0.6 \ f_{c}=49.9 \ Hz$ $2018203113243$ $M_{L}=0.9 \ M_{w}=1.3$                        | $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=60.9 \ Hz$ $2018200040208$ $M_{L}=0.7 \ M_{w}=1.0 \\ f_{c}=32.1 \ Hz$ $2018200134612$ $M_{L}=0.5 \ M_{w}=0.6 \\ f_{c}=47.3 \ Hz$ $2018202144515$ $M_{L}=0.7 \ M_{w}=0.7 \\ f_{c}=54.9 \ Hz$ $2018203124722$ $M_{L}=0.5 \ M_{w}=0.6$                    | $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=34.4  Hz$ $2018200082657$ $M_{L}=0.6  M_{W}=0.7 \\ f_{c}=51.9  Hz$ $2018200143037$ $M_{L}=0.5  M_{W}=0.6 \\ f_{c}=49.6  Hz$ $2018202222748$ $M_{L}=1.0  M_{W}=1.2 \\ f_{c}=40.3  Hz$ $2018203171420$ $10                                    $ |