|                       |                   | $M_{\rm L}$ =0.5 $M_{\rm w}$ =0.4  |  | $M_{\rm L}$ =0.3 $M_{\rm W}$ =0.4                                  | $M_{\rm L}$ =0.6 $M_{\rm w}$ =0.7                        | $M_{\rm L}$ =0.7 $M_{\rm w}$ =0.6                                    | $M_{\rm L}$ =0.6 $M_{\rm W}$ =0.5                              | $M_{\rm L}$ =1.1 $M_{\rm W}$ =0.9                                  | $M_{\rm L}$ =0.4 $M_{\rm w}$ =0.5                        |
|-----------------------|-------------------|--|--|--|--|--|--|--|--|
|                       | 011 -             | f <sub>c</sub> =37.5 Hz  |  | - f <sub>c</sub> =35.3 Hz  | f <sub>c</sub> =22.8 Hz                                  | f <sub>c</sub> =32.4 Hz  | f <sub>c</sub> =33.3 Hz  | f <sub>c</sub> =24.6 Hz  | f <sub>c</sub> =25.0 Hz                                  |
|                       | 10 <sup>9</sup> - | 2018156105500  | 2018156132827  | 2018157010141  | 2018157013858  | 2018157121700  | 2018158072013  | 2018158204112  | 2018159000959  |
| 1                     | 011               | $M_{L}$ =0.3 $M_{W}$ =0.2 $f_{c}$ =37.1 Hz   | $M_L = 0.8 M_w = 0.7$<br>$f_c = 34.9 \text{ Hz}$   | $M_{L}=0.8 M_{W}=0.8$<br>$f_{c}=26.6 Hz$                           | $M_L=0.5 M_w=0.4$<br>$f_c=36.0 \text{ Hz}$               | $M_L = 0.6 M_w = 0.4$<br>$f_c = 44.1 \text{ Hz}$                     | $M_L = 0.5 M_w = 0.4$<br>$f_c = 33.3 \text{ Hz}$               | $M_{L}=1.0 M_{W}=1.3$<br>$f_{c}=18.3 Hz$                           | $M_L = 0.9 M_w = 0.9$<br>$f_c = 23.4 \text{ Hz}$         |
|                       | 10 <sup>9</sup> - |  |  |  |  |  |  | - San                          |  |
|                       |                   | 2018159011231  | 2018159035257  | 2018159044000  | 2018159120046  | 2018159152310  | 2018160051518  | 2018160054115  | 2018160102510  |
| 1                     | 011 -             | $M_L$ =0.7 $M_w$ =0.7 $f_c$ =30.2 Hz   | $M_L=0.4 M_W=0.1$<br>$f_c=47.5 Hz$   | $M_L = 0.3 M_w = 0.2$<br>$f_c = 38.2 \text{ Hz}$                   | $M_L=0.6 M_W=0.7$<br>$f_c=23.5 Hz$                       | $M_L$ =0.6 $M_w$ =0.5 $f_c$ =37.9 Hz                                 | $M_L=0.8 M_w=0.7$ $f_c=32.5 Hz$                                | $M_{L}$ =0.2 $M_{W}$ =0.0 $f_{c}$ =55.0 Hz                         | M <sub>L</sub> =1.4 M <sub>w</sub> =1.5                  |
|                       | 10 <sup>9</sup> - |  |  |  | - San                |  | -  | -  |  |
|                       | [                 | 2018160135358  | 2018160181943  | 2018160211026  | 2018161004449  | 2018161102425  | 2018161172544  | 2018162012825  | 2018162052548  |
| 1                     | 011 -             | $M_{L}$ =0.6 $M_{w}$ =0.3 $f_{c}$ =46.2 Hz   | $M_{L}=0.6 M_{W}=0.3$<br>$f_{c}=37.6 \text{ Hz}$   | $M_L=0.7 M_w=0.5$<br>$f_c=38.4 Hz$                                 | -  | $M_L$ =0.9 $M_w$ =1.0 $f_c$ =21.0 Hz                                 | $M_L=0.7 M_w=0.6$<br>$f_c=31.9 \text{ Hz}$                     | $M_L=0.9 M_w=1.0$<br>$f_c=21.2 Hz$                                 | $M_{L}$ =0.7 $M_{w}$ =0.6 $f_{c}$ =29.8 Hz               |
| :                     | 10 <sup>9</sup> - | 2018162102701  | 2018162103517  | 2018162124708  | 2018162134139  | 2018162195803  | 2018162224749  | 2018163001121  | 2018163031320  |
|                       | ]<br>[            |  | $M_{L}=0.5 M_{W}=0.5$  | $M_{L}=1.1 M_{W}=1.2$  | $M_{L}=1.0 \ M_{W}=1.2$                                  | $M_{L}=0.7 M_{W}=0.4$  | $M_{L}=0.5 M_{W}=0.3$  | $M_{L}=0.2 M_{W}=0.1$  | $M_{L}=0.4 M_{W}=0.3$                                    |
|                       | 011 -             |  | f <sub>c</sub> =27.8 Hz  | f <sub>c</sub> =18.2 Hz  | f <sub>c</sub> =17.3 Hz                                  | f <sub>c</sub> =40.9 Hz  | f <sub>c</sub> =31.5 Hz  | f <sub>c</sub> =38.5 Hz  | f <sub>c</sub> =44.7 Hz                                  |
|                       | 10 <sup>9</sup> - | 2018163115829  | 2018163132124  | 2018164031000  | 2018165002042  | 2018165152357  | 2018165200500  | 2018166021841  | 2018166111647  |
| 1                     | 011               | $M_{L}=1.0 M_{W}=0.9$ $f_{c}=26.5 Hz$  | M <sub>L</sub> =0.4 M <sub>W</sub> =1.4  | $M_L=0.6 M_W=0.5$<br>$f_c=24.6 Hz$                                 | $M_L=0.4 M_w=0.3$<br>$f_c=40.3 Hz$                       | $M_L=0.6 M_w=0.4$ $f_c=38.2 Hz$                                      | $M_L=0.4 M_W=0.0$<br>$f_c=46.5 \text{ Hz}$                     | $M_{L}=0.4 M_{W}=0.3$ $f_{c}=33.5 \text{ Hz}$                      | $M_{L}=0.8 M_{W}=0.9$ $f_{c}=19.3 Hz$                    |
|                       | 10 <sup>9</sup> - |  |  |  |  |  |  |  |  |
|                       |                   | 2018168094946  | 2018168112428  | 2018169024000  | 2018169033430  | 2018169042045  | 2018169213726  | 2018169230658  | 2018170012100  |
|                       | 011               | $M_{\rm L}$ =0.6 $M_{\rm w}$ =0.5 $f_{\rm c}$ =32.8 Hz   | $M_{L}=0.4 M_{W}=0.5$<br>$f_{c}=21.4 Hz$   |  | _  | $M_L$ =0.8 $M_w$ =0.6 $f_c$ =32.9 Hz                                 | $M_{L}$ =0.7 $M_{w}$ =0.6 $f_{c}$ =24.7 Hz                     | $M_{L}$ =0.7 $M_{w}$ =0.5 $f_{c}$ =26.2 Hz                         | $M_L = 0.5 M_w = 0.4$<br>$f_c = 28.0 \text{ Hz}$         |
|                       | 10 <sup>9</sup> - | - Constitution of the cons | -  | -  | -  | -  | -  | -  | -  |
|                       | [                 | 2018170013500  | 2018170022530  | 2018170070706  | 2018170141444  | 2018170145100  | 2018170191546  | 2018170200105  | 2018170210141  |
| 1                     | 011               | $M_{L}=1.3 M_{W}=1.5$  | $M_L = 0.8 M_w = 0.7$<br>$f_c = 22.3 \text{ Hz}$   | $M_{L}$ =0.8 $M_{w}$ =0.8 $f_{c}$ =20.7 Hz                         | -  | $M_{L}=0.7 M_{W}=0.5$<br>$f_{c}=36.0 Hz$                             | $M_{L}$ =0.8 $M_{w}$ =0.6 $f_{c}$ =28.2 Hz                     | $M_{L}$ =0.6 $M_{W}$ =0.3 $f_{c}$ =40.1 Hz                         | $M_{L}$ =0.6 $M_{w}$ =0.3 $f_{c}$ =41.7 Hz               |
| :                     | 10 <sup>9</sup> - | 2018171001230  | 2018171003700  | 2018171005900  | 2018171034700  | 2018171100309  | 2018171100500  | 2018171101020  | 2018171113245  |
|                       |                   |  | $M_{L}=0.8 M_{W}=0.8$  | $M_{L}=1.1 M_{W}=1.2$  | 1.6 M <sub>W</sub> =1.8                                  | $M_{L}=0.4 M_{W}=0.4$  | $M_{L}=0.8 M_{W}=0.8$  | $M_{L}=0.5 M_{W}=0.4$  | ·  |
|                       | 011 -             |  | f <sub>c</sub> =28.7 Hz  | <u>f.</u> =17.8 Hz   | =13.7 Hz   | f <sub>c</sub> =32.9 Hz  | f <sub>c</sub> =19.3 Hz  | f <sub>c</sub> =30.1 Hz  |  |
|                       | 10 <sup>9</sup> - | 2018171120032  | 2018171170704  | 2018171173814  | 2018171232614  | 2018171233929  | 2018172001100  | 2018172010600  | 2018172041700  |
| 1                     | 011 -             | $M_L = 0.6 M_w = 0.4$<br>$f_c = 35.4 \text{ Hz}$   | $M_{L}=0.8 M_{W}=0.7$<br>$f_{c}=33.5 Hz$   | M <sub>L</sub> =1.2 M <sub>w</sub> =1.4<br>f <sub>c</sub> =18.4 Hz | $M_{L}=0.8 M_{W}=0.9$<br>$f_{c}=21.3 Hz$                 | $M_L=0.8 M_w=0.7$ $f_c=26.7 Hz$                                      | $M_{L}=0.7 M_{W}=0.6$<br>$f_{c}=30.5 Hz$                       | $M_{L}$ =0.4 $M_{W}$ =0.2 $f_{c}$ =40.8 Hz                         | $M_L = 1.0 M_W = 1.2$<br>$f_c = 14.8 \text{ Hz}$         |
|                       | 10 <sup>9</sup> - | - Toology  | -  | -  |  | - OBORDA   | - OBORGE   | -  |  |
|                       |                   | 2018172070230  | 2018172090030  | 2018172175518  | 2018172180735  | 2018172183326  | 2018172230708  | 2018172234909  | 2018173042858  |
| 1                     | 011 -             | $M_L$ =0.9 $M_w$ =0.8 $f_c$ =26.3 Hz   | $M_{L}$ =0.7 $M_{w}$ =0.7 $f_{c}$ =26.3 Hz   | $M_L$ =0.9 $M_w$ =0.8 $f_c$ =29.7 Hz                               | $M_L=0.5 M_W=0.3$<br>$f_c=32.3 Hz$                       | $M_L$ =1.0 $M_w$ =1.0 $f_c$ =21.6 Hz                                 | $M_L=1.1 M_w=1.3$<br>$f_c=16.3 Hz$                             | $M_L$ =0.0 $M_w$ =0.4 $f_c$ =32.2 Hz                               | $M_L$ =0.6 $M_w$ =0.5 $f_c$ =29.4 Hz                     |
| :                     | 10 <sup>9</sup> - | 2018173043508  | 2018173072237  | 2018173130130  | 2018173142304  | 2018173151655  | 2018173181236  | 2018173191258  | 2018173214953  |
|                       | [                 | $M_{\rm L} = 0.8 \ M_{\rm w} = 0.9$  | $M_{L}=0.7 \ M_{W}=0.6$  | $M_{L}=0.9 M_{W}=0.8$  | $M_{L}=1.0 \ M_{W}=1.0$                                  | $M_{L}=0.7 M_{W}=0.6$  | $M_{L}=1.1 M_{W}=1.2$  | $M_{L}=0.6 M_{W}=0.3$  | $M_{L}=0.5 M_{W}=0.3$                                    |
|                       | 011 -             | f <sub>c</sub> =21.5 Hz  | f <sub>c</sub> =29.0 Hz  | f <sub>c</sub> =20.1 Hz  | f <sub>c</sub> =23.4 Hz                                  | f <sub>c</sub> =36.6 Hz  | f.=20.5 Hz   | f <sub>c</sub> =38.7 Hz  | f <sub>c</sub> =36.9 Hz                                  |
|                       | 10 <sup>9</sup> - | 2018173220003  | 2018174040400  | 2018174043300  | 2018174062000  | 2018174064100  | 2018174085934  | 2018174131934  | 2018174154112  |
| 1                     | 011 -             | $M_L=1.1 M_w=1.0$<br>$f_c=18.5 Hz$   |  | $M_L=0.4 M_w=0.3$<br>$f_c=35.3 Hz$                                 | $M_L=0.8 M_w=0.9$<br>$f_c=17.3 Hz$                       | $M_L = 0.5 M_w = 0.3$<br>$f_c = 34.4 \text{ Hz}$                     | $M_L=0.8 M_w=0.6$<br>$f_c=32.4 Hz$                             | $M_L$ =0.5 $M_w$ =0.5 $f_c$ =34.2 Hz                               | $M_L = 0.7 M_w = 0.6$<br>$f_c = 27.1 \text{ Hz}$         |
| (Nm)                  | 10 <sup>9</sup> - | and a second   | -  |  |  | -  |  | -  |  |
| ctrum $\omega$ M (Nm) |                   | 2018175062422  | 2018175071713  | 2018175132759  | 2018176001813  | 2018176155852  | 2018176170554  | 2018176210520  | 2018177104730  |
| spe                   | 011               | $M_L = 0.5 M_w = 0.3$<br>$f_c = 38.4 \text{ Hz}$   | $M_L = 0.9 M_W = 1.1$<br>$f_c = 20.8 \text{ Hz}$   | $M_{L}$ =0.8 $M_{w}$ =0.8 $f_{c}$ =26.4 Hz                         | M <sub>L</sub> =1.2 M <sub>w</sub> =1.3<br>£=18.7 Hz     | $M_L=0.9 M_w=0.9$<br>$f_c=19.0 \text{ Hz}$                           | =1.7 M <sub>w</sub> =1.8<br>=12.9 Hz                           | M <sub>L</sub> =1.5 M <sub>w</sub> =1.5<br>- 15.0 Hz               | $M_{L}$ =0.6 $M_{w}$ =0.6 $f_{c}$ =20.9 Hz               |
| displacement          | 10 <sup>9</sup> - | 2018178152609  | 2018178222942  | 2018179053245  | 2018179233042  | 2018180013150  | 2018180040100  | 2018180094138  | 2018181040940  |
|                       | [                 | $M_{\rm L} = 1.4 \ M_{\rm W} = 1.5$  | $M_{L}=0.8~M_{W}=0.9$  | $M_{L}=0.8 M_{W}=0.8$  | $M_{L}=1.0 \ M_{w}=1.1$                                  | $M_{L}=1.1 M_{W}=1.2$  | $M_{L}=0.8 M_{W}=0.9$  | $M_{L}=0.9 M_{W}=0.9$  | $M_{L}=0.7 M_{W}=0.8$                                    |
| nos                   | 011 -             | т≣20.0 Н2  | f <sub>c</sub> =20.3 Hz  | - f <sub>c</sub> =27.0 Hz  | f <sub>c</sub> =19.2 Hz                                  | <u>f<sub>c</sub>=16.3 Hz</u>   | f <sub>c</sub> =19.0 Hz  | f <sub>c</sub> =26.0 Hz  | f <sub>c</sub> =22.0 Hz                                  |
|                       | 10 <sup>9</sup> - | 2018181065239  | 2018181192300  | 2018182124340  | 2018182203248  | 2018182212250  | 2018182233301  | 2018183155952  | 2018183202531  |
| 1                     | 011               | $M_{L}=1.0 M_{W}=1.1$<br>$f_{c}=16.7 Hz$   | $M_{L}=0.6 M_{W}=0.5$<br>$f_{c}=27.6 \text{ Hz}$   | $M_{L}=1.1 M_{W}=1.1$<br>$f_{c}=18.9 \text{ Hz}$                   | $M_{L}=1.2 M_{W}=1.3$                                    | $M_{L}$ =0.9 $M_{w}$ =1.0 $f_{c}$ =20.3 Hz                           | $M_{L}=1.1 M_{W}=1.1$<br>$f_{c}=19.4 \text{ Hz}$               | $M_{L}=1.1 M_{W}=0.8$<br>$f_{c}=25.9 \text{ Hz}$                   | $M_L = 0.7 M_W = 0.7$<br>$f_c = 27.5 \text{ Hz}$         |
| :                     | 10 <sup>9</sup> - | a de la companya de l |  | -  | - "  | -  | - Consideration  | -  | -  |
|                       |                   | 2018183215029  | 2018184003003  | 2018184201046  | 2018184202906  | 2018185001326  | 2018185014623  | 2018185034551  | 2018185120950  |
| 1                     | 011               | $M_{L}$ =0.7 $M_{W}$ =0.7 $f_{c}$ =27.9 Hz   | $M_{L}$ =0.7 $M_{W}$ =0.5 $f_{c}$ =29.5 Hz   | $M_L = 1.4 M_W = 1.5$  | -  | $M_L$ =0.8 $M_w$ =0.6 $f_c$ =29.2 Hz                                 | $M_{L}=0.9 M_{W}=0.8$<br>$f_{c}=25.0 \text{ Hz}$               | $M_L$ =0.5 $M_w$ =0.3 $f_c$ =32.8 Hz                               | $M_L = 0.7 M_W = 0.5$<br>$f_c = 27.6 \text{ Hz}$         |
| :                     | 10 <sup>9</sup> - | 2010105145450  | 2010105155102  | -  | 2010105002100  | 2018186115357  | 201010(121/22  | 2010105203645  | 2010105215027  |
|                       | ]                 | 2018185145450<br>M <sub>L</sub> =0.6 M <sub>w</sub> =0.5   | 2018185155423<br>  | 2018186070100<br>  | 2018186092109<br>M <sub>L</sub> =0.8 M <sub>w</sub> =0.8 | $M_{L}=0.6 M_{W}=0.5$  | 2018186131522<br>  | 2018186202646<br>M <sub>L</sub> =1.0 M <sub>w</sub> =1.1           | 2018186215007<br>M <sub>L</sub> =0.7 M <sub>w</sub> =0.6 |
|                       | 011 -             | f <sub>c</sub> =29.0 Hz  | f <sub>c</sub> =34.6 Hz  |  | f <sub>c</sub> =20.9 Hz                                  | f <sub>c</sub> =25.3 Hz  |  | f <sub>c</sub> =20.8 Hz  | f <sub>c</sub> =31.7 Hz                                  |
|                       | 10 <sup>9</sup> - | 2018187034808  | 2018187062657  | 2018187084836  | 2018188142051  | 2018188161324  | 2018188173124  | 2018188175428  | 2018188193122  |
| 1                     | 011               | $M_{L}$ =0.7 $M_{w}$ =0.6 $f_{c}$ =26.2 Hz   | $M_{L}=0.8 M_{W}=0.9$<br>$f_{c}=18.9 \text{ Hz}$   | $M_{L}=0.7 M_{W}=0.7$<br>$f_{c}=20.6 Hz$                           | $M_{L}=0.6 M_{W}=0.6$<br>$f_{c}=32.9 \text{ Hz}$         | $M_{L}=0.7 M_{W}=0.5$<br>$f_{c}=32.2 Hz$                             | $M_{L}=0.6 M_{W}=0.5$<br>$f_{c}=30.2 Hz$                       | $M_{L}$ =0.4 $M_{W}$ =0.3 $f_{c}$ =34.5 Hz                         | $M_L = 0.5 M_w = 0.7$<br>$f_c = 25.4 Hz$                 |
|                       | 10 <sup>9</sup> - |  |  |  |  |  |  |  |  |
| 10                    |                   | 2018188202905  | 2018188214438  | 2018188214700  | 2018188214802  | 2018189060720  | 2018189070845  | 2018189095118  | 2018189132738  |
|                       | 011 -             | $M_L = 0.8 M_w = 0.8$<br>$f_c = 23.9 Hz$   | $M_L = 0.8 M_W = 0.7$<br>$f_c = 25.3 \text{ Hz}$   | $M_{L}$ =0.6 $M_{W}$ =0.6 $f_{c}$ =24.8 Hz                         | $M_{L}=0.8 M_{W}=0.9$<br>$f_{c}=22.0 \text{ Hz}$         | $M_L$ =0.6 $M_W$ =0.5 $f_c$ =32.3 Hz                                 | 7,012.7 Hz   | $M_L = 0.5 M_w = 0.3$<br>$f_c = 33.7 \text{ Hz}$                   | $M_{L}$ =0.6 $M_{W}$ =0.5 $f_{c}$ =28.4 Hz               |
|                       | 10 <sup>9</sup> - | 2018189132728  | 2018189142028  | 2018189152317  | 2018189160854  | 2018189163251  | 2018189173537  | 2018189195043  | 2018190005253  |
|                       | ]                 | $M_{L}=1.1 M_{W}=1.2$  | M <sub>L</sub> =0.3 M <sub>w</sub> =0.3  | M <sub>L</sub> =0.8 M <sub>w</sub> =0.7                            | L  | M <sub>L</sub> =0.5 M <sub>w</sub> =0.2                              | M <sub>L</sub> =0.6 M <sub>w</sub> =0.5                        | M <sub>L</sub> =1.3 M <sub>w</sub> =1.5                            | $M_{L}=0.8 M_{W}=0.8$                                    |
|                       | 011               | f <sub>c</sub> =21.2 Hz  | f <sub>c</sub> =31.9 Hz  | f <sub>c</sub> =27.8 Hz  | $M_{L} = 1.3 M_{W} = 1.6$ $= 14.4 Hz$                    | f <sub>c</sub> =41.1 Hz  | f <sub>c</sub> =27.7 Hz  |  | f <sub>c</sub> =21.7 Hz                                  |
| 1                     | 10 <sup>9</sup> - | 2018190020811  | 2018190025747  | 2018190155046  | 2018193142500  | 2018193204529  | 2018194085018  | 2018194133411  | 2018195011432  |
| 1                     | 011 -             | $M_L = 0.6 M_w = 0.4$<br>$f_c = 34.7 \text{ Hz}$   | $M_L=0.9 M_W=1.1$<br>$f_c=15.9 \text{ Hz}$   | $M_L=0.5 M_w=0.3$<br>$f_c=40.5 Hz$                                 | $M_L=0.6 M_W=0.5$<br>$f_c=26.6 \text{ Hz}$               | $M_L = 0.8 M_w = 0.8$<br>$f_c = 21.1 \text{ Hz}$                     | $M_L=0.8 M_w=0.9$<br>$f_c=19.5 Hz$                             |  | $M_L = 0.7 M_w = 0.6$<br>$f_c = 30.8 \text{ Hz}$         |
|                       | 10 <sup>9</sup> - |  | - The state of the | -  |  | - September 1  | -  | •  |  |
|                       | _                 | 2018195074501  | 2018195123640  | 2018195172331  | 2018195195343  | 2018196003937  | 2018196010738  | 2018196071020  | 2018196133941  |
| 1                     | 011 -             | $M_{L}$ =0.7 $M_{w}$ =0.5 $f_{c}$ =36.7 Hz   | $M_{L}=0.7 M_{W}=0.7$<br>$f_{c}=26.4 Hz$   | $M_{L}=0.6 M_{W}=0.3$<br>$f_{c}=34.5 \text{ Hz}$                   | $M_{L}$ =0.6 $M_{w}$ =0.6 $f_{c}$ =26.9 Hz               |  | $M_{L}$ =0.9 $M_{W}$ =1.0 $f_{c}$ =21.7 Hz                     | $M_{L}$ =0.6 $M_{W}$ =0.5 $f_{c}$ =35.3 Hz                         | $M_{L}=1.3 M_{W}=1.5$<br>L=13.0 Hz                       |
| :                     | 10 <sup>9</sup> - | 2018196200450  | 2018197015541  | 2018197070436  | 2018197091659  | 2018197172535  | 2018197183626  | 2018199080816  | 2018199104200  |
|                       | ا<br>[            | $M_{L}$ =0.9 $M_{W}$ =1.1 $f_{c}$ =18.2 Hz   | $M_{L}=0.7 \ M_{W}=0.6 \ f_{c}=36.6 \ Hz$  | $M_{L}=0.5 \ M_{W}=0.3 \ f_{c}=37.0 \ Hz$                          | $M_{L}=0.5 M_{W}=0.3$<br>$f_{c}=40.7 \text{ Hz}$         | $M_{L}=1.2 M_{W}=1.5$  | $M_{L}=0.5 M_{W}=0.4$ $f_{c}=33.7 \text{ Hz}$                  | $M_{L}=0.5 \ M_{W}=0.3 \ f_{c}=43.2 \ Hz$                          | $M_{L}=1.0 M_{W}=1.1$ $f_{c}=21.8 \text{ Hz}$            |
|                       | 0 <sup>11</sup> - | (2-10.2 112  | 1,2-30.0 112   | - 10-37.0112   | 1,2-40.7112  | ]  | 1,2-53.7 112   | 1,5-43.2112  | 1,2-21,0 112   |
|                       |                   | 2018199170820  | 2018199170914  | 2018199194117  | 2018199204703  | 2018199224500  | 2018200015608  | 2018200040208  | 2018200082657  |
| 1                     | 011               | $M_L=1.1 M_w=1.0$<br>$f_c=20.3 Hz$   |  | $M_{L}=0.9 M_{W}=0.8$<br>$f_{c}=25.1 \text{ Hz}$                   | M <sub>L</sub> =1.2 M <sub>w</sub> =1.4                  | $M_L=1.5 M_W=1.6$  | $M_{L}$ =0.6 $M_{W}$ =0.3 $f_{c}$ =40.7 Hz                     | $M_{L}=0.7 M_{W}=0.9$<br>$f_{c}=20.9 Hz$                           | $M_L = 0.6 M_w = 0.4$<br>$f_c = 36.8 \text{ Hz}$         |
| :                     | 10 <sup>9</sup> - | - Washington   | -  | -  | -  | -  |  |  |  |
|                       | [                 | 2018200100833  | 2018200100919  | 2018200102006  | 2018200105407  | 2018200105452  | 2018200105703  | 2018200134612  | 2018200143037  |
| 1                     | 011 -             | $M_{L}$ =0.4 $M_{w}$ =0.4 $f_{c}$ =28.0 Hz   | $M_{L}=0.8 M_{W}=0.7$<br>$f_{c}=29.4 \text{ Hz}$   | -  | $M_L=0.6 M_w=0.5$<br>$f_c=24.9 Hz$                       | $M_{L}=0.7 M_{W}=0.6$<br>$f_{c}=25.4 Hz$                             | $M_{L}=1.2 M_{W}=1.1$<br>$f_{c}=22.9 \text{ Hz}$               | $M_L$ =0.5 $M_w$ =0.4 $f_c$ =32.7 Hz                               | $M_L = 0.5 M_w = 0.4$<br>$f_c = 33.3 \text{ Hz}$         |
| :                     | 10 <sup>9</sup> - | 2018200170651  | 2018200191849  | 2018201073346  | 2018201152715  | 2018202112855  | 2018202134535  | 2018202144515  | 2018202222748  |
|                       | [                 | $M_{\rm L} = 0.5 \ M_{\rm W} = 0.2$  | $M_{L}=0.5 M_{W}=0.4$  | ·  | $M_{L}=0.6 M_{W}=0.4$                                    | $M_{L}=0.7 M_{W}=0.7$  | $M_{L}=0.5 M_{W}=0.3$  | $M_{L}=0.7 \ M_{W}=0.4$  | $M_{L}=1.0 M_{W}=1.0$                                    |
| 1                     | 0 <sup>11</sup> - | f <sub>c</sub> =39.8 Hz  | f <sub>c</sub> =37.2 Hz  |  | f <sub>c</sub> =33.4 Hz                                  | f <sub>c</sub> =28.3 Hz  | f <sub>c</sub> =35.1 Hz  | f <sub>c</sub> =37.9 Hz  | f <sub>c</sub> =22.0 Hz                                  |
|                       |                   | 2018202225701  | 2018202234429  | 2018203030928  | 2018203081713  | 2018203090059  | 2018203113243  | 2018203124722  | 2018203171420  |
| :                     |                   |  |  |  |  |  |  |  | 10 100   |
|                       | 011 -             | $M_L = 0.5 M_w = 0.3$<br>$f_c = 34.9 \text{ Hz}$   | $M_{L}=1.1 M_{W}=1.1$<br>$f_{c}=20.4 Hz$   | $M_L = 0.7 M_W = 0.6$<br>$f_c = 28.0 \text{ Hz}$                   | $M_L = 0.5 M_w = 0.4$<br>$f_c = 34.4 \text{ Hz}$         | M <sub>L</sub> =1.4 M <sub>w</sub> =1.4<br>- <del>fc=17.8-Hz</del> - | $M_L = 0.9 M_W = 1.2$<br>$f_c = 17.5 Hz$                       | $M_L=0.5 M_w=0.4$<br>$f_c=32.6 Hz$                                 | - 35<br>- 28 s   |
| 1                     | [                 | $M_{\rm L} = 0.5 M_{\rm W} = 0.3$  | $M_{L}=1.1 M_{W}=1.1$ $f_{c}=20.4 Hz$  |  |  |  | $M_{L}$ =0.9 $M_{W}$ =1.2 $f_{c}$ =17.5 Hz                     | $M_L = 0.5 M_W = 0.4$<br>$f_c = 32.6 \text{ Hz}$                   | - 21<br>- 14 stations                                    |
| 1                     | 011 -             | $M_{\rm L} = 0.5 M_{\rm W} = 0.3$  | $M_{L}=1.1 M_{W}=1.1 f_{c}=20.4 Hz$ $2018203230921$ $10 100$   |  |  |  | $M_{L}=0.9 M_{W}=1.2$ $f_{c}=17.5 Hz$ $2018204234743$ $10 100$ | M <sub>L</sub> =0.5 M <sub>w</sub> =0.4<br>f <sub>c</sub> =32.6 Hz |  |