



*Supplement of*

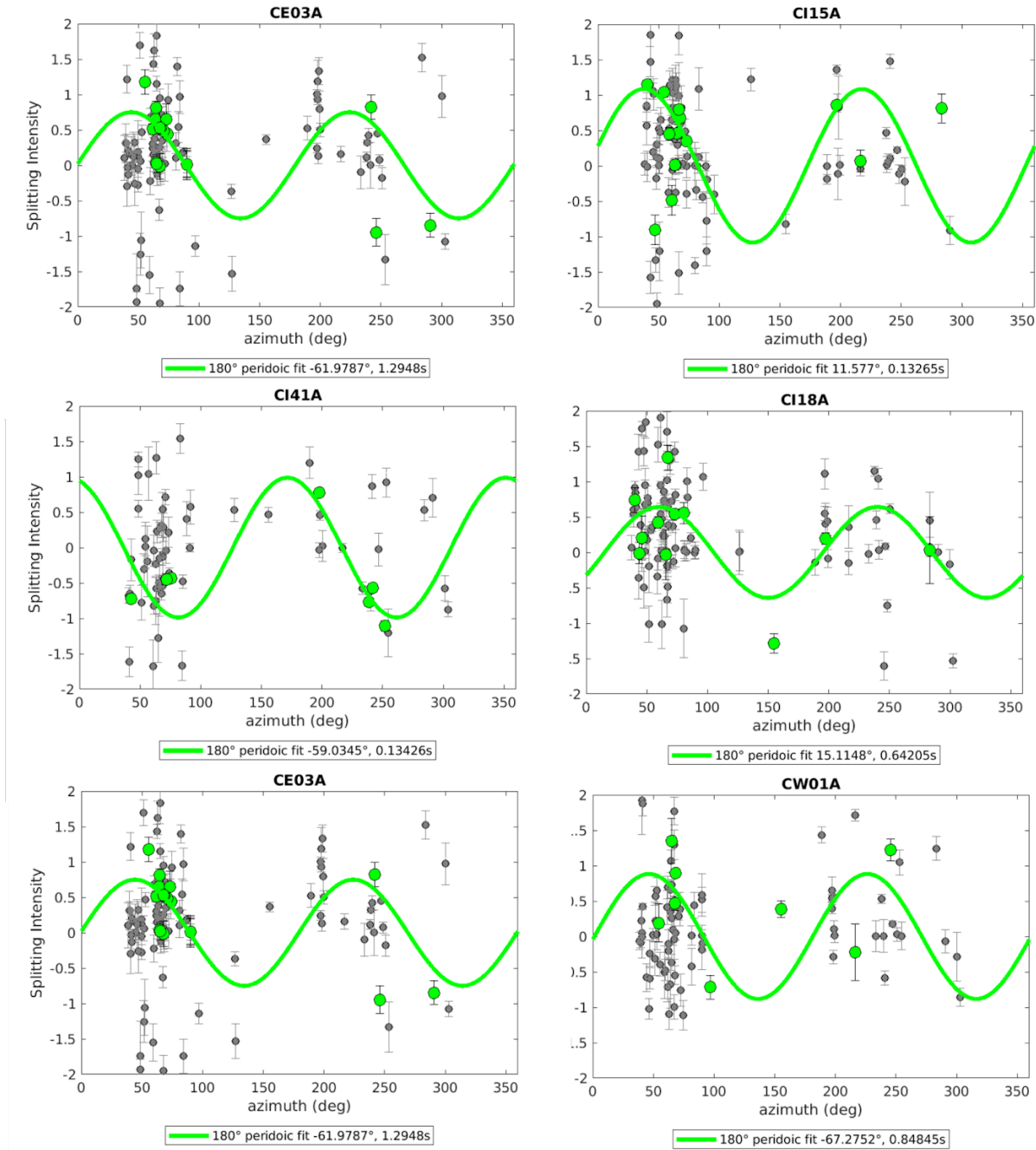
## **Highlights on mantle deformation beneath the Western Alps with seismic anisotropy using CIFALPS2 data**

**Silvia Pondrelli et al.**

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Supplementary Material



Figure

S1 - Splitting intensity measurements for a few example stations. Gray dots: all measurements; green circles: only measurements that fit the criteria and the sinusoidal curve (fast polarization direction and time delay written below).

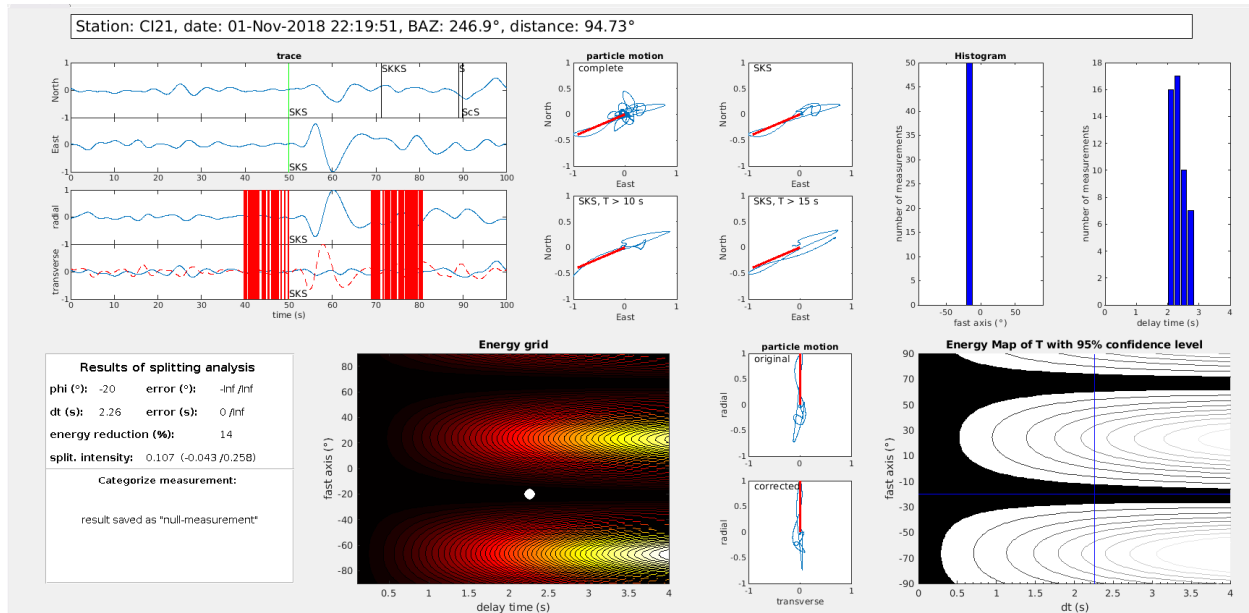
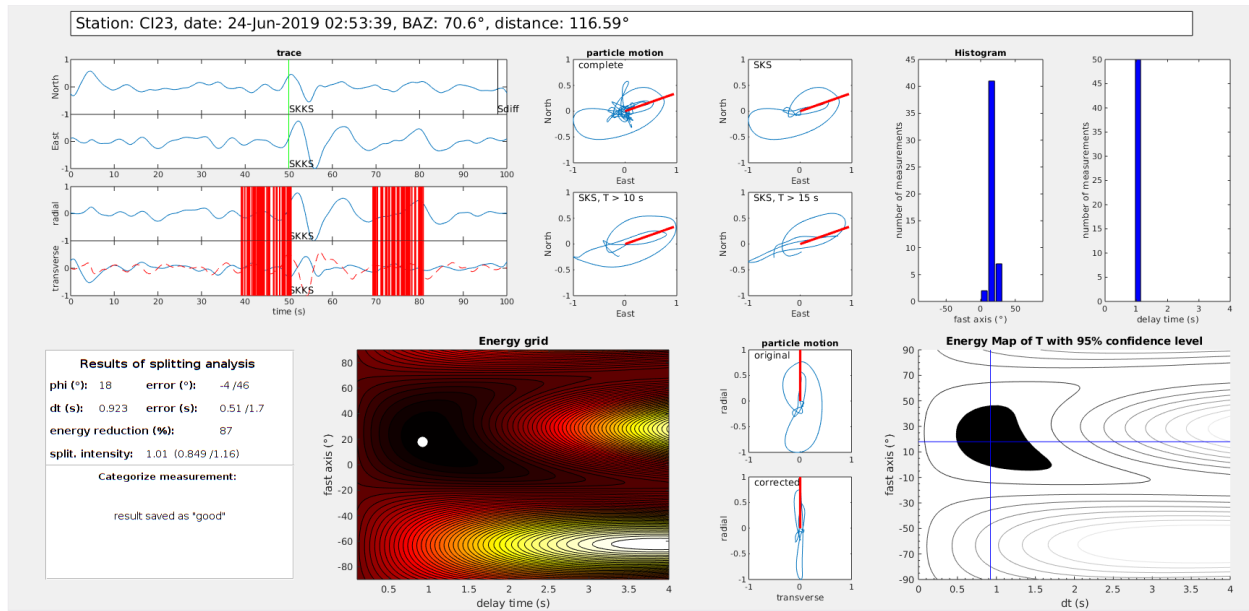


Figure S2 - Examples of measurements. Upper panel: a good shear wave splitting measurement at station CI23. Lower panel: a null measurement at station CI21.

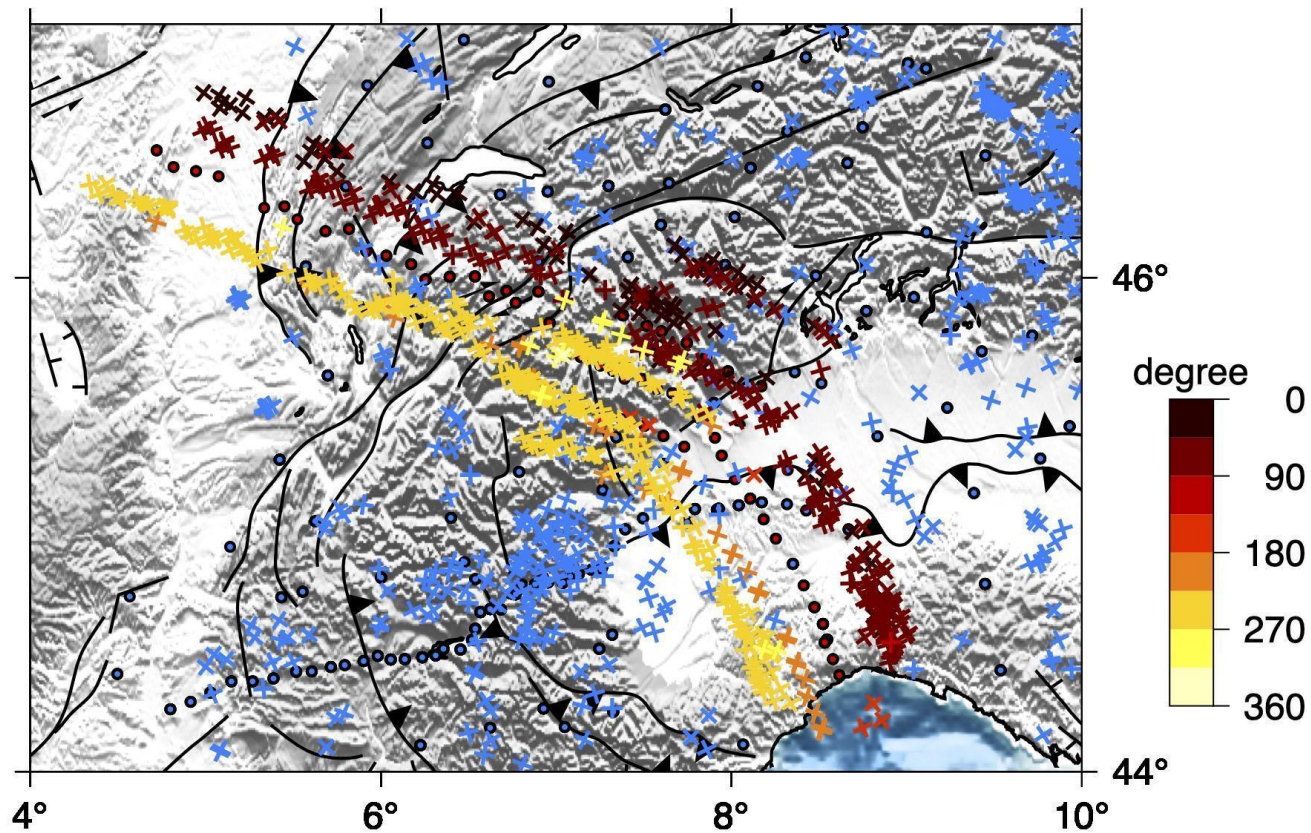


Figure S3 – Map of null measurements plotted at the piercing point of 150 km depth, marked with crosses rotated in the back azimuth direction and coloured following the color scale on the right, depending on the back azimuth; in light blue all previous data.

Table S1 - Good single Splitting Intensity (SI) measurements. Header: Station | Station latitude | Station longitude | Earthquake ID (YYMMDDhhmm) | back-azimuth | SI | SI error

| Station | Lat   | Lon  | EQ ID      | BAZ    | SI    | SI error |
|---------|-------|------|------------|--------|-------|----------|
| CE01    | 45.85 | 7.38 | 1809281002 | 73.70  | 0.56  | 0.04     |
| CE01    | 45.85 | 7.38 | 1812290339 | 64.00  | 0.06  | 0.09     |
| CE01    | 45.85 | 7.38 | 1901061727 | 66.54  | 0.65  | 0.04     |
| CE01    | 45.85 | 7.38 | 1901171506 | 52.65  | 0.75  | 0.26     |
| CE01    | 45.85 | 7.38 | 1901260812 | 66.06  | -0.16 | 0.18     |
| CE01    | 45.85 | 7.38 | 1903150503 | 245.84 | 0.39  | 0.15     |
| CE01    | 45.85 | 7.38 | 1904121140 | 72.66  | 0.44  | 0.07     |
| CE01    | 45.85 | 7.38 | 1904230537 | 61.60  | 0.43  | 0.06     |
| CE01    | 45.85 | 7.38 | 1905141258 | 46.67  | 1.24  | 0.09     |
| CE01    | 45.85 | 7.38 | 1905311012 | 64.11  | 0.31  | 0.13     |
| CE01    | 45.85 | 7.38 | 1907071508 | 68.18  | 0.24  | 0.23     |
| CE01    | 45.85 | 7.38 | 1907140943 | 67.84  | -0.40 | 0.38     |
| CE01    | 45.85 | 7.38 | 1909190706 | 83.83  | 0.62  | 0.06     |
| CE01    | 45.85 | 7.38 | 1909211953 | 69.62  | 0.01  | 0.17     |
| CE01    | 45.85 | 7.38 | 1909252346 | 69.16  | 0.32  | 0.17     |
| CE01    | 45.85 | 7.38 | 1910290104 | 64.96  | 1.83  | 0.16     |
| CE01    | 45.85 | 7.38 | 1911141617 | 67.24  | 1.11  | 0.06     |
| CE02    | 45.81 | 7.52 | 1809281025 | 74.30  | 1.92  | 0.28     |
| CE02    | 45.81 | 7.52 | 1901212359 | 81.62  | -0.54 | 0.23     |
| CE02    | 45.81 | 7.52 | 1902121234 | 40.73  | -0.08 | 0.28     |
| CE02    | 45.81 | 7.52 | 1904121140 | 72.78  | 0.74  | 0.36     |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CE02 | 45.81 | 7.52 | 1906240253 | 70.77  | 0.85  | 0.03 |
| CE02 | 45.81 | 7.52 | 1907140539 | 86.98  | 0.35  | 0.35 |
| CE02 | 45.81 | 7.52 | 1907140943 | 67.97  | -0.62 | 0.27 |
| CE02 | 45.81 | 7.52 | 1908021203 | 89.90  | 0.01  | 0.12 |
| CE02 | 45.81 | 7.52 | 1909190706 | 83.94  | 1.09  | 0.06 |
| CE02 | 45.81 | 7.52 | 1910290104 | 65.08  | 1.86  | 0.18 |
| CE03 | 45.79 | 7.60 | 1809281002 | 73.89  | 0.44  | 0.04 |
| CE03 | 45.79 | 7.60 | 1812290339 | 64.19  | 0.65  | 0.03 |
| CE03 | 45.79 | 7.60 | 1901181640 | 290.91 | -0.85 | 0.17 |
| CE03 | 45.79 | 7.60 | 1902020927 | 90.21  | 0.02  | 0.18 |
| CE03 | 45.79 | 7.60 | 1902021059 | 90.19  | 0.02  | 0.22 |
| CE03 | 45.79 | 7.60 | 1902021101 | 89.97  | 0.02  | 0.20 |
| CE03 | 45.79 | 7.60 | 1903150503 | 246.00 | -0.95 | 0.19 |
| CE03 | 45.79 | 7.60 | 1904121140 | 72.86  | 0.65  | 0.23 |
| CE03 | 45.79 | 7.60 | 1904230537 | 61.78  | 0.51  | 0.07 |
| CE03 | 45.79 | 7.60 | 1905062119 | 55.46  | 1.18  | 0.17 |
| CE03 | 45.79 | 7.60 | 1905311012 | 64.30  | 0.04  | 0.08 |
| CE03 | 45.79 | 7.60 | 1906140019 | 241.68 | 0.82  | 0.17 |
| CE03 | 45.79 | 7.60 | 1906240253 | 70.85  | 0.49  | 0.06 |
| CE03 | 45.79 | 7.60 | 1907071508 | 68.38  | 0.53  | 0.04 |
| CE03 | 45.79 | 7.60 | 1909141621 | 67.50  | -0.01 | 0.18 |
| CE03 | 45.79 | 7.60 | 1909290202 | 64.64  | 0.81  | 0.09 |
| CE03 | 45.79 | 7.60 | 1910161137 | 65.18  | 0.02  | 0.13 |
| CE03 | 45.79 | 7.60 | 1911141617 | 67.44  | 0.54  | 0.06 |
| CE04 | 45.74 | 7.75 | 1809281002 | 74.01  | 0.90  | 0.08 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CE04 | 45.74 | 7.75 | 1812290339 | 64.32  | 0.49  | 0.04 |
| CE04 | 45.74 | 7.75 | 1901061727 | 66.87  | 1.22  | 0.13 |
| CE04 | 45.74 | 7.75 | 1904220911 | 63.38  | -0.06 | 0.13 |
| CE04 | 45.74 | 7.75 | 1904230537 | 61.90  | 0.66  | 0.04 |
| CE04 | 45.74 | 7.75 | 1905311012 | 64.42  | 0.62  | 0.04 |
| CE04 | 45.74 | 7.75 | 1906240253 | 70.99  | 0.49  | 0.03 |
| CE04 | 45.74 | 7.75 | 1907071508 | 68.51  | 0.82  | 0.08 |
| CE04 | 45.74 | 7.75 | 1909190706 | 84.12  | 0.48  | 0.06 |
| CE04 | 45.74 | 7.75 | 1909290202 | 64.76  | 1.31  | 0.12 |
| CE04 | 45.74 | 7.75 | 1910290104 | 65.27  | 0.73  | 0.08 |
| CE04 | 45.74 | 7.75 | 1910310111 | 65.04  | -0.39 | 0.24 |
| CE04 | 45.74 | 7.75 | 1911052052 | 189.30 | 0.79  | 0.21 |
| CE04 | 45.74 | 7.75 | 1911150117 | 67.63  | 1.83  | 0.26 |
| CE05 | 45.68 | 7.86 | 1810292017 | 216.72 | 0.37  | 0.12 |
| CE05 | 45.68 | 7.86 | 1811040755 | 65.60  | 0.10  | 0.18 |
| CE05 | 45.68 | 7.86 | 1812290339 | 64.42  | 0.34  | 0.05 |
| CE05 | 45.68 | 7.86 | 1902081155 | 62.14  | 0.41  | 0.21 |
| CE05 | 45.68 | 7.86 | 1903240437 | 67.67  | 0.50  | 0.31 |
| CE05 | 45.68 | 7.86 | 1904121140 | 73.09  | 1.03  | 0.06 |
| CE05 | 45.68 | 7.86 | 1904230537 | 61.99  | 1.00  | 0.05 |
| CE05 | 45.68 | 7.86 | 1905311012 | 64.52  | 0.77  | 0.27 |
| CE05 | 45.68 | 7.86 | 1906240253 | 71.10  | 0.75  | 0.04 |
| CE05 | 45.68 | 7.86 | 1907071508 | 68.61  | 1.37  | 0.08 |
| CE05 | 45.68 | 7.86 | 1909290202 | 64.86  | 1.55  | 0.14 |
| CE05 | 45.68 | 7.86 | 1910310111 | 65.14  | 1.42  | 0.09 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CE05 | 45.68 | 7.86 | 1911141617 | 67.68  | 0.28  | 0.15 |
| CE06 | 45.63 | 7.98 | 1812290339 | 64.54  | 0.58  | 0.08 |
| CE06 | 45.63 | 7.98 | 1901171506 | 53.37  | 1.42  | 0.22 |
| CE06 | 45.63 | 7.98 | 1903010850 | 251.39 | 1.21  | 0.10 |
| CE06 | 45.63 | 7.98 | 1904062155 | 74.88  | -0.16 | 0.07 |
| CE06 | 45.63 | 7.98 | 1904121140 | 73.20  | 0.68  | 0.06 |
| CE06 | 45.63 | 7.98 | 1904230537 | 62.10  | 0.66  | 0.08 |
| CE06 | 45.63 | 7.98 | 1906240253 | 71.23  | 1.27  | 0.03 |
| CE06 | 45.63 | 7.98 | 1907011659 | 64.54  | 1.01  | 0.20 |
| CE06 | 45.63 | 7.98 | 1907071508 | 68.73  | 1.48  | 0.05 |
| CE06 | 45.63 | 7.98 | 1907081852 | 68.65  | 0.96  | 0.09 |
| CE06 | 45.63 | 7.98 | 1907140943 | 68.41  | 1.43  | 0.37 |
| CE06 | 45.63 | 7.98 | 1907141026 | 68.08  | -1.18 | 0.07 |
| CE06 | 45.63 | 7.98 | 1911141617 | 67.79  | 1.26  | 0.05 |
| CE07 | 45.57 | 8.17 | 1809281002 | 74.38  | 0.77  | 0.11 |
| CE07 | 45.57 | 8.17 | 1812110226 | 198.19 | -0.23 | 0.06 |
| CE07 | 45.57 | 8.17 | 1812290339 | 64.70  | 0.95  | 0.08 |
| CE07 | 45.57 | 8.17 | 1904050956 | 41.09  | 0.61  | 0.26 |
| CE07 | 45.57 | 8.17 | 1904230537 | 62.25  | 0.35  | 0.07 |
| CE07 | 45.57 | 8.17 | 1906040439 | 41.36  | -0.27 | 0.10 |
| CE07 | 45.57 | 8.17 | 1907011659 | 64.70  | 0.20  | 0.44 |
| CE07 | 45.57 | 8.17 | 1907071508 | 68.91  | 0.78  | 0.09 |
| CE07 | 45.57 | 8.17 | 1907141026 | 68.25  | 1.83  | 0.13 |
| CI01 | 46.50 | 4.72 | 1809281014 | 71.35  | -1.19 | 0.12 |
| CI01 | 46.50 | 4.72 | 1901221901 | 153.32 | 0.65  | 0.11 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI01 | 46.50 | 4.72 | 1902020927 | 88.08  | 0.90  | 0.14 |
| CI02 | 46.44 | 4.82 | 1809181157 | 40.67  | 0.00  | 0.09 |
| CI02 | 46.44 | 4.82 | 1809281014 | 71.45  | -1.35 | 0.08 |
| CI02 | 46.44 | 4.82 | 1810260905 | 37.16  | 1.27  | 0.46 |
| CI02 | 46.44 | 4.82 | 1812011327 | 69.30  | 0.00  | 0.05 |
| CI02 | 46.44 | 4.82 | 1812192137 | 47.80  | 0.46  | 0.12 |
| CI02 | 46.44 | 4.82 | 1901221901 | 153.39 | 1.11  | 0.09 |
| CI03 | 46.42 | 4.95 | 1809281002 | 71.64  | 0.28  | 0.04 |
| CI03 | 46.42 | 4.95 | 1809281014 | 71.55  | -1.57 | 0.22 |
| CI03 | 46.42 | 4.95 | 1809281025 | 72.11  | -1.37 | 0.18 |
| CI03 | 46.42 | 4.95 | 1904091753 | 196.05 | 1.38  | 0.07 |
| CI03 | 46.42 | 4.95 | 1904220911 | 61.24  | -0.06 | 0.12 |
| CI04 | 46.40 | 5.07 | 1901221901 | 153.56 | -0.52 | 0.16 |
| CI04 | 46.40 | 5.07 | 1902121234 | 38.50  | 1.47  | 0.24 |
| CI05 | 46.28 | 5.33 | 1809281025 | 72.46  | 1.21  | 0.16 |
| CI05 | 46.28 | 5.33 | 1903240437 | 65.43  | 0.03  | 0.12 |
| CI05 | 46.28 | 5.33 | 1908272355 | 196.24 | 0.27  | 0.08 |
| CI05 | 46.28 | 5.33 | 1910290242 | 63.18  | -0.02 | 0.11 |
| CI05 | 46.28 | 5.33 | 1911231211 | 60.00  | 0.24  | 0.13 |
| CI06 | 46.28 | 5.45 | 1901212359 | 79.84  | 0.40  | 0.08 |
| CI06 | 46.28 | 5.45 | 1906040439 | 39.28  | 0.34  | 0.05 |
| CI06 | 46.28 | 5.45 | 1907141026 | 65.75  | -0.92 | 0.42 |
| CI06 | 46.28 | 5.45 | 1911042153 | 238.70 | 0.03  | 0.15 |
| CI07 | 46.23 | 5.52 | 1810020016 | 79.26  | -0.42 | 0.17 |
| CI07 | 46.23 | 5.52 | 1810292326 | 282.59 | -0.02 | 0.20 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI07 | 46.23 | 5.52 | 1812160942 | 57.14  | 0.55  | 0.10 |
| CI07 | 46.23 | 5.52 | 1901181640 | 289.41 | 0.00  | 0.04 |
| CI07 | 46.23 | 5.52 | 1901200132 | 240.02 | 0.03  | 0.33 |
| CI07 | 46.23 | 5.52 | 1901212359 | 79.92  | 0.01  | 0.18 |
| CI07 | 46.23 | 5.52 | 1901220510 | 80.09  | 0.01  | 0.18 |
| CI07 | 46.23 | 5.52 | 1901221901 | 153.87 | 0.00  | 0.06 |
| CI07 | 46.23 | 5.52 | 1901260812 | 64.23  | 0.03  | 0.34 |
| CI07 | 46.23 | 5.52 | 1901301531 | 282.22 | 0.01  | 0.06 |
| CI07 | 46.23 | 5.52 | 1902020927 | 88.69  | 0.01  | 0.13 |
| CI07 | 46.23 | 5.52 | 1902021059 | 88.67  | 0.01  | 0.13 |
| CI07 | 46.23 | 5.52 | 1902021101 | 88.44  | 0.01  | 0.13 |
| CI07 | 46.23 | 5.52 | 1902081155 | 60.18  | 0.04  | 0.43 |
| CI07 | 46.23 | 5.52 | 1904062155 | 72.64  | 0.20  | 0.05 |
| CI07 | 46.23 | 5.52 | 1907141026 | 65.84  | -0.70 | 0.24 |
| CI07 | 46.23 | 5.52 | 1911042153 | 238.74 | 1.88  | 0.45 |
| CI08 | 46.18 | 5.68 | 1810260905 | 38.00  | 0.47  | 0.08 |
| CI08 | 46.18 | 5.68 | 1811011930 | 196.58 | 1.32  | 0.12 |
| CI08 | 46.18 | 5.68 | 1901220510 | 80.24  | -0.66 | 0.08 |
| CI08 | 46.18 | 5.68 | 1901260351 | 42.14  | 0.83  | 0.30 |
| CI08 | 46.18 | 5.68 | 1907141026 | 65.99  | -0.54 | 0.29 |
| CI08 | 46.18 | 5.68 | 1909290202 | 62.99  | 1.21  | 0.32 |
| CI08 | 46.18 | 5.68 | 1911161019 | 65.86  | 0.26  | 0.19 |
| CI09 | 46.19 | 5.82 | 1809230552 | 42.15  | -0.47 | 0.19 |
| CI09 | 46.19 | 5.82 | 1812011327 | 70.27  | -0.60 | 0.10 |
| CI09 | 46.19 | 5.82 | 1901220510 | 80.34  | -0.85 | 0.08 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI09 | 46.19 | 5.82 | 1903060013 | 60.97  | 0.69  | 0.13 |
| CI09 | 46.19 | 5.82 | 1904051614 | 198.90 | -0.01 | 0.12 |
| CI09 | 46.19 | 5.82 | 1911141845 | 66.04  | -1.48 | 0.33 |
| CI10 | 46.11 | 5.92 | 1809281002 | 72.50  | 0.17  | 0.04 |
| CI10 | 46.11 | 5.92 | 1812110226 | 197.10 | 1.31  | 0.07 |
| CI10 | 46.11 | 5.92 | 1812280303 | 61.53  | 0.21  | 0.15 |
| CI10 | 46.11 | 5.92 | 1901200132 | 240.25 | 0.02  | 0.25 |
| CI10 | 46.11 | 5.92 | 1909190732 | 82.63  | -0.44 | 0.04 |
| CI11 | 46.09 | 6.03 | 1809181157 | 42.41  | 0.02  | 0.10 |
| CI11 | 46.09 | 6.03 | 1810292326 | 282.94 | 0.24  | 0.31 |
| CI11 | 46.09 | 6.03 | 1811011930 | 196.75 | 0.75  | 0.30 |
| CI11 | 46.09 | 6.03 | 1812110226 | 197.16 | 1.04  | 0.09 |
| CI11 | 46.09 | 6.03 | 1901212359 | 80.37  | 0.09  | 0.07 |
| CI11 | 46.09 | 6.03 | 1902021059 | 89.05  | -0.90 | 0.19 |
| CI11 | 46.09 | 6.03 | 1905162252 | 282.79 | 0.54  | 0.17 |
| CI11 | 46.09 | 6.03 | 1906040439 | 39.73  | 0.68  | 0.24 |
| CI11 | 46.09 | 6.03 | 1907071508 | 67.01  | 0.69  | 0.03 |
| CI12 | 46.05 | 6.17 | 1812110226 | 197.23 | 1.06  | 0.11 |
| CI12 | 46.05 | 6.17 | 1812290339 | 62.97  | 0.03  | 0.04 |
| CI12 | 46.05 | 6.17 | 1901260351 | 42.81  | 0.93  | 0.17 |
| CI12 | 46.05 | 6.17 | 1905162252 | 282.89 | 1.74  | 0.33 |
| CI12 | 46.05 | 6.17 | 1906040439 | 39.84  | 0.67  | 0.07 |
| CI12 | 46.05 | 6.17 | 1906240253 | 69.53  | 0.50  | 0.05 |
| CI12 | 46.05 | 6.17 | 1907071508 | 67.13  | 0.70  | 0.03 |
| CI12 | 46.05 | 6.17 | 1910290104 | 63.96  | 0.44  | 0.06 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI12 | 46.05 | 6.17 | 1910310111 | 63.72  | 1.00  | 0.13 |
| CI13 | 45.99 | 6.26 | 1809281014 | 72.70  | 1.80  | 0.17 |
| CI13 | 45.99 | 6.26 | 1810102200 | 46.90  | -0.34 | 0.24 |
| CI13 | 45.99 | 6.26 | 1812290339 | 63.06  | 0.01  | 0.09 |
| CI13 | 45.99 | 6.26 | 1901260351 | 42.95  | 0.80  | 0.10 |
| CI13 | 45.99 | 6.26 | 1906040439 | 39.90  | 1.02  | 0.08 |
| CI14 | 46.00 | 6.39 | 1809281025 | 73.37  | 1.72  | 0.49 |
| CI14 | 46.00 | 6.39 | 1811040755 | 64.40  | 0.89  | 0.18 |
| CI14 | 46.00 | 6.39 | 1901061727 | 65.69  | 1.04  | 0.11 |
| CI14 | 46.00 | 6.39 | 1901221901 | 154.45 | -0.78 | 0.08 |
| CI14 | 46.00 | 6.39 | 1904051614 | 199.19 | -0.05 | 0.21 |
| CI14 | 46.00 | 6.39 | 1904221449 | 198.79 | 0.10  | 0.17 |
| CI14 | 46.00 | 6.39 | 1911141845 | 66.57  | -0.04 | 0.20 |
| CI15 | 46.01 | 6.54 | 1809281002 | 73.01  | 0.35  | 0.03 |
| CI15 | 46.01 | 6.54 | 1810102200 | 47.20  | -0.91 | 0.21 |
| CI15 | 46.01 | 6.54 | 1810290654 | 216.44 | 0.07  | 0.15 |
| CI15 | 46.01 | 6.54 | 1812290339 | 63.28  | 0.02  | 0.08 |
| CI15 | 46.01 | 6.54 | 1901260812 | 65.24  | 0.46  | 0.12 |
| CI15 | 46.01 | 6.54 | 1902081155 | 61.04  | -0.48 | 0.21 |
| CI15 | 46.01 | 6.54 | 1905062119 | 54.23  | 1.04  | 0.07 |
| CI15 | 46.01 | 6.54 | 1905162252 | 283.15 | 0.81  | 0.20 |
| CI15 | 46.01 | 6.54 | 1906191724 | 58.74  | 0.45  | 0.09 |
| CI15 | 46.01 | 6.54 | 1906281551 | 40.68  | 1.15  | 0.03 |
| CI15 | 46.01 | 6.54 | 1907071508 | 67.44  | 0.68  | 0.06 |
| CI15 | 46.01 | 6.54 | 1908272355 | 196.79 | 0.85  | 0.03 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI15 | 46.01 | 6.54 | 1911141617 | 66.51  | 0.80  | 0.04 |
| CI16 | 45.92 | 6.62 | 1809281002 | 73.09  | 0.62  | 0.04 |
| CI16 | 45.92 | 6.62 | 1809281025 | 73.57  | -0.49 | 0.16 |
| CI16 | 45.92 | 6.62 | 1812190137 | 253.14 | -0.03 | 0.25 |
| CI16 | 45.92 | 6.62 | 1901221901 | 154.61 | -0.01 | 0.06 |
| CI16 | 45.92 | 6.62 | 1901260812 | 65.35  | 0.03  | 0.32 |
| CI16 | 45.92 | 6.62 | 1901301531 | 282.96 | 0.01  | 0.06 |
| CI16 | 45.92 | 6.62 | 1902020927 | 89.50  | 0.01  | 0.13 |
| CI16 | 45.92 | 6.62 | 1902021059 | 89.48  | 0.01  | 0.13 |
| CI16 | 45.92 | 6.62 | 1902021101 | 89.26  | 0.01  | 0.13 |
| CI16 | 45.92 | 6.62 | 1902081155 | 61.11  | 0.05  | 0.40 |
| CI16 | 45.92 | 6.62 | 1903081506 | 61.23  | 1.55  | 0.19 |
| CI16 | 45.92 | 6.62 | 1904230537 | 60.99  | 1.01  | 0.05 |
| CI16 | 45.92 | 6.62 | 1905062119 | 54.37  | 0.99  | 0.07 |
| CI16 | 45.92 | 6.62 | 1905141258 | 45.78  | 0.87  | 0.19 |
| CI16 | 45.92 | 6.62 | 1906040439 | 40.18  | 0.97  | 0.07 |
| CI16 | 45.92 | 6.62 | 1906191724 | 58.85  | 1.38  | 0.11 |
| CI16 | 45.92 | 6.62 | 1906240253 | 69.96  | 0.59  | 0.06 |
| CI16 | 45.92 | 6.62 | 1906281551 | 40.76  | 1.33  | 0.05 |
| CI16 | 45.92 | 6.62 | 1907071508 | 67.54  | 0.87  | 0.04 |
| CI16 | 45.92 | 6.62 | 1907140910 | 66.78  | 1.30  | 0.11 |
| CI16 | 45.92 | 6.62 | 1907141026 | 66.86  | 1.09  | 0.21 |
| CI16 | 45.92 | 6.62 | 1908272355 | 196.83 | 1.32  | 0.05 |
| CI16 | 45.92 | 6.62 | 1910290844 | 44.71  | -0.28 | 0.10 |
| CI17 | 45.95 | 6.72 | 1809281002 | 73.16  | 0.45  | 0.07 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI17 | 45.95 | 6.72 | 1810020016 | 80.31  | 1.45  | 0.23 |
| CI17 | 45.95 | 6.72 | 1810101844 | 82.37  | -0.09 | 0.11 |
| CI17 | 45.95 | 6.72 | 1812290339 | 63.44  | 0.03  | 0.14 |
| CI17 | 45.95 | 6.72 | 1901181640 | 290.27 | -0.68 | 0.13 |
| CI17 | 45.95 | 6.72 | 1901200132 | 240.73 | 0.38  | 0.11 |
| CI17 | 45.95 | 6.72 | 1901221901 | 154.67 | -0.92 | 0.10 |
| CI17 | 45.95 | 6.72 | 1901301531 | 283.04 | 0.80  | 0.11 |
| CI17 | 45.95 | 6.72 | 1902121234 | 40.02  | 0.45  | 0.26 |
| CI17 | 45.95 | 6.72 | 1903041006 | 53.47  | 1.24  | 0.44 |
| CI17 | 45.95 | 6.72 | 1903081506 | 61.30  | 0.65  | 0.09 |
| CI17 | 45.95 | 6.72 | 1904091753 | 196.91 | 0.41  | 0.10 |
| CI17 | 45.95 | 6.72 | 1906040439 | 40.25  | 0.73  | 0.07 |
| CI17 | 45.95 | 6.72 | 1906281551 | 40.85  | 0.82  | 0.03 |
| CI17 | 45.95 | 6.72 | 1907071508 | 67.61  | 0.70  | 0.03 |
| CI17 | 45.95 | 6.72 | 1909190706 | 83.31  | 0.84  | 0.05 |
| CI17 | 45.95 | 6.72 | 1910161137 | 64.44  | 0.37  | 0.08 |
| CI18 | 45.90 | 6.77 | 1809281002 | 73.22  | 0.54  | 0.07 |
| CI18 | 45.90 | 6.77 | 1810012359 | 80.36  | 0.55  | 0.15 |
| CI18 | 45.90 | 6.77 | 1812110226 | 197.51 | 0.19  | 0.08 |
| CI18 | 45.90 | 6.77 | 1901221901 | 154.71 | -1.29 | 0.14 |
| CI18 | 45.90 | 6.77 | 1901260351 | 43.62  | -0.01 | 0.15 |
| CI18 | 45.90 | 6.77 | 1901260812 | 65.50  | -0.03 | 0.35 |
| CI18 | 45.90 | 6.77 | 1901301531 | 283.07 | 0.03  | 0.47 |
| CI18 | 45.90 | 6.77 | 1902121234 | 40.07  | 0.74  | 0.17 |
| CI18 | 45.90 | 6.77 | 1902171435 | 46.02  | 0.20  | 0.31 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI18 | 45.90 | 6.77 | 1906191724 | 59.00  | 0.42  | 0.09 |
| CI18 | 45.90 | 6.77 | 1907140910 | 66.91  | 1.34  | 0.18 |
| CI19 | 45.94 | 6.90 | 1812192137 | 50.38  | -0.86 | 0.19 |
| CI19 | 45.94 | 6.90 | 1903010850 | 250.64 | 0.52  | 0.05 |
| CI19 | 45.94 | 6.90 | 1904051614 | 199.46 | 1.10  | 0.08 |
| CI19 | 45.94 | 6.90 | 1904062155 | 73.88  | 1.87  | 0.14 |
| CI19 | 45.94 | 6.90 | 1904091753 | 197.00 | 0.26  | 0.20 |
| CI19 | 45.94 | 6.90 | 1904121140 | 72.25  | 0.77  | 0.06 |
| CI19 | 45.94 | 6.90 | 1906040439 | 40.39  | 1.24  | 0.13 |
| CI19 | 45.94 | 6.90 | 1906191724 | 59.10  | 1.39  | 0.08 |
| CI19 | 45.94 | 6.90 | 1907071508 | 67.76  | 0.94  | 0.04 |
| CI19 | 45.94 | 6.90 | 1908272355 | 196.96 | 0.72  | 0.04 |
| CI19 | 45.94 | 6.90 | 1909291557 | 237.91 | 0.79  | 0.07 |
| CI19 | 45.94 | 6.90 | 1911141617 | 66.82  | 1.58  | 0.05 |
| CI21 | 45.72 | 7.14 | 1809280659 | 73.71  | 0.41  | 0.34 |
| CI21 | 45.72 | 7.14 | 1809281002 | 73.55  | 1.08  | 0.10 |
| CI21 | 45.72 | 7.14 | 1809281014 | 73.46  | 1.54  | 0.09 |
| CI21 | 45.72 | 7.14 | 1810141241 | 126.72 | 0.04  | 0.17 |
| CI21 | 45.72 | 7.14 | 1812290339 | 63.84  | 0.84  | 0.08 |
| CI21 | 45.72 | 7.14 | 1901181640 | 290.55 | 0.07  | 0.38 |
| CI21 | 45.72 | 7.14 | 1901212359 | 81.37  | 0.15  | 0.23 |
| CI21 | 45.72 | 7.14 | 1901220510 | 81.54  | 0.26  | 0.19 |
| CI21 | 45.72 | 7.14 | 1901260351 | 44.17  | 0.94  | 0.26 |
| CI21 | 45.72 | 7.14 | 1906240253 | 70.49  | 0.97  | 0.04 |
| CI21 | 45.72 | 7.14 | 1907071508 | 68.03  | 1.11  | 0.05 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI21 | 45.72 | 7.14 | 1907140539 | 86.75  | 1.16  | 0.12 |
| CI21 | 45.72 | 7.14 | 1909141621 | 67.14  | -0.09 | 0.16 |
| CI21 | 45.72 | 7.14 | 1909190732 | 83.64  | 1.50  | 0.26 |
| CI21 | 45.72 | 7.14 | 1911150117 | 67.15  | -1.21 | 0.14 |
| CI22 | 45.68 | 7.14 | 1809281002 | 73.56  | 0.80  | 0.07 |
| CI22 | 45.68 | 7.14 | 1809281014 | 73.47  | 1.94  | 0.20 |
| CI22 | 45.68 | 7.14 | 1905162252 | 283.51 | -0.04 | 0.16 |
| CI22 | 45.68 | 7.14 | 1907011659 | 63.88  | 1.96  | 0.14 |
| CI22 | 45.68 | 7.14 | 1907071508 | 68.04  | 0.97  | 0.09 |
| CI22 | 45.68 | 7.14 | 1907140539 | 86.77  | 0.92  | 0.16 |
| CI23 | 45.68 | 7.24 | 1809281002 | 73.64  | 1.07  | 0.07 |
| CI23 | 45.68 | 7.24 | 1810020016 | 80.83  | -0.37 | 0.17 |
| CI23 | 45.68 | 7.24 | 1810141241 | 126.79 | -1.21 | 0.16 |
| CI23 | 45.68 | 7.24 | 1812160942 | 59.06  | -0.01 | 0.06 |
| CI23 | 45.68 | 7.24 | 1812161426 | 96.66  | -0.02 | 0.25 |
| CI23 | 45.68 | 7.24 | 1812290339 | 63.93  | 0.39  | 0.06 |
| CI23 | 45.68 | 7.24 | 1901061727 | 66.48  | 0.46  | 0.10 |
| CI23 | 45.68 | 7.24 | 1901181640 | 290.62 | -0.91 | 0.21 |
| CI23 | 45.68 | 7.24 | 1903060013 | 62.22  | 0.48  | 0.08 |
| CI23 | 45.68 | 7.24 | 1904051614 | 199.61 | 0.04  | 0.14 |
| CI23 | 45.68 | 7.24 | 1904230537 | 61.52  | 0.86  | 0.06 |
| CI23 | 45.68 | 7.24 | 1905030725 | 39.67  | 1.39  | 0.16 |
| CI23 | 45.68 | 7.24 | 1905311012 | 64.03  | 0.60  | 0.07 |
| CI23 | 45.68 | 7.24 | 1906240253 | 70.60  | 0.95  | 0.04 |
| CI23 | 45.68 | 7.24 | 1907071508 | 68.12  | 0.90  | 0.05 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI23 | 45.68 | 7.24 | 1910290104 | 64.89  | 0.79  | 0.08 |
| CI23 | 45.68 | 7.24 | 1911141617 | 67.18  | 1.19  | 0.13 |
| CI24 | 45.65 | 7.25 | 1809281002 | 73.66  | 1.07  | 0.09 |
| CI24 | 45.65 | 7.25 | 1812290339 | 63.95  | 0.31  | 0.05 |
| CI24 | 45.65 | 7.25 | 1902021101 | 89.73  | -0.33 | 0.24 |
| CI24 | 45.65 | 7.25 | 1904062155 | 74.29  | 0.19  | 0.09 |
| CI24 | 45.65 | 7.25 | 1904230537 | 61.53  | 0.86  | 0.05 |
| CI24 | 45.65 | 7.25 | 1905062119 | 55.19  | 0.07  | 0.30 |
| CI24 | 45.65 | 7.25 | 1906240253 | 70.62  | 1.03  | 0.05 |
| CI24 | 45.65 | 7.25 | 1907071508 | 68.14  | 0.90  | 0.05 |
| CI24 | 45.65 | 7.25 | 1910142223 | 90.32  | 1.03  | 0.06 |
| CI24 | 45.65 | 7.25 | 1910290104 | 64.90  | 0.92  | 0.06 |
| CI24 | 45.65 | 7.25 | 1911052052 | 189.03 | -0.24 | 0.25 |
| CI24 | 45.65 | 7.25 | 1911231211 | 61.89  | 0.55  | 0.07 |
| CI25 | 45.63 | 7.32 | 1809281002 | 73.72  | 0.97  | 0.07 |
| CI25 | 45.63 | 7.32 | 1809281025 | 74.20  | 0.64  | 0.14 |
| CI25 | 45.63 | 7.32 | 1812290339 | 64.01  | 0.44  | 0.04 |
| CI25 | 45.63 | 7.32 | 1901220510 | 81.72  | 0.98  | 0.08 |
| CI25 | 45.63 | 7.32 | 1902121234 | 40.60  | -0.19 | 0.13 |
| CI25 | 45.63 | 7.32 | 1903041006 | 54.27  | -0.55 | 0.14 |
| CI25 | 45.63 | 7.32 | 1904230537 | 61.59  | 0.57  | 0.05 |
| CI25 | 45.63 | 7.32 | 1905311012 | 64.11  | -1.80 | 0.38 |
| CI25 | 45.63 | 7.32 | 1906240253 | 70.69  | 1.04  | 0.06 |
| CI25 | 45.63 | 7.32 | 1907071508 | 68.21  | 0.91  | 0.10 |
| CI25 | 45.63 | 7.32 | 1907141026 | 67.54  | -0.92 | 0.19 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI25 | 45.63 | 7.32 | 1910290104 | 64.96  | 1.17  | 0.13 |
| CI25 | 45.63 | 7.32 | 1911141617 | 67.27  | 0.27  | 0.08 |
| CI26 | 45.60 | 7.39 | 1901220510 | 81.78  | 1.15  | 0.21 |
| CI26 | 45.60 | 7.39 | 1903101248 | 51.72  | 0.71  | 0.28 |
| CI26 | 45.60 | 7.39 | 1907071508 | 68.27  | 1.17  | 0.08 |
| CI26 | 45.60 | 7.39 | 1907141026 | 67.61  | 1.75  | 0.45 |
| CI27 | 45.60 | 7.49 | 1810020016 | 81.05  | 0.39  | 0.48 |
| CI28 | 45.56 | 7.57 | 1904230537 | 61.79  | 0.45  | 0.11 |
| CI28 | 45.56 | 7.57 | 1907140943 | 68.10  | 1.42  | 0.38 |
| CI29 | 45.54 | 7.66 | 1905311012 | 64.41  | 0.44  | 0.24 |
| CI29 | 45.54 | 7.66 | 1906240253 | 71.01  | 1.09  | 0.15 |
| CI29 | 45.54 | 7.66 | 1907071508 | 68.51  | 0.79  | 0.39 |
| CI29 | 45.54 | 7.66 | 1905311012 | 64.41  | 0.44  | 0.24 |
| CI29 | 45.54 | 7.66 | 1906240253 | 71.01  | 1.09  | 0.15 |
| CI29 | 45.54 | 7.66 | 1907071508 | 68.51  | 0.79  | 0.39 |
| CI30 | 45.52 | 7.71 | 1812192137 | 51.51  | -1.19 | 0.25 |
| CI30 | 45.52 | 7.71 | 1902121234 | 40.95  | -1.45 | 0.16 |
| CI30 | 45.52 | 7.71 | 1907071508 | 68.55  | 1.23  | 0.11 |
| CI30 | 45.52 | 7.71 | 1909141621 | 67.68  | 0.49  | 0.29 |
| CI31 | 45.44 | 7.81 | 1903010850 | 251.27 | 0.58  | 0.05 |
| CI31 | 45.44 | 7.81 | 1904220911 | 63.45  | 0.23  | 0.11 |
| CI31 | 45.44 | 7.81 | 1906040439 | 41.09  | -0.65 | 0.15 |
| CI31 | 45.44 | 7.81 | 1910161137 | 65.42  | 0.49  | 0.08 |
| CI32 | 45.36 | 7.91 | 1810102113 | 50.39  | -0.81 | 0.23 |
| CI32 | 45.36 | 7.91 | 1905311012 | 64.64  | 0.74  | 0.20 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI32 | 45.36 | 7.91 | 1907011659 | 64.53  | -1.09 | 0.26 |
| CI32 | 45.36 | 7.91 | 1910290104 | 65.48  | 0.46  | 0.14 |
| CI33 | 45.29 | 7.94 | 1812161426 | 97.32  | -0.93 | 0.12 |
| CI33 | 45.29 | 7.94 | 1901200132 | 241.36 | 0.65  | 0.14 |
| CI33 | 45.29 | 7.94 | 1902021101 | 90.25  | 1.85  | 0.19 |
| CI33 | 45.29 | 7.94 | 1902081155 | 62.28  | 0.27  | 0.09 |
| CI33 | 45.29 | 7.94 | 1906281551 | 41.99  | -1.47 | 0.07 |
| CI33 | 45.29 | 7.94 | 1907141026 | 68.17  | 0.08  | 0.40 |
| CI34 | 45.19 | 8.02 | 1810102045 | 50.26  | 1.44  | 0.13 |
| CI34 | 45.19 | 8.02 | 1901301531 | 283.79 | 0.19  | 0.18 |
| CI34 | 45.19 | 8.02 | 1906040439 | 41.26  | -0.86 | 0.13 |
| CI35 | 45.11 | 8.11 | 1811040755 | 65.91  | -0.89 | 0.11 |
| CI35 | 45.11 | 8.11 | 1911021808 | 199.25 | -0.63 | 0.14 |
| CI36 | 45.03 | 8.18 | 1810020016 | 81.81  | -1.17 | 0.24 |
| CI36 | 45.03 | 8.18 | 1901220510 | 82.60  | -0.71 | 0.07 |
| CI36 | 45.03 | 8.18 | 1902020927 | 90.67  | -0.09 | 0.23 |
| CI36 | 45.03 | 8.18 | 1904230537 | 62.34  | 0.38  | 0.07 |
| CI36 | 45.03 | 8.18 | 1905311012 | 64.94  | 0.82  | 0.12 |
| CI37 | 44.95 | 8.25 | 1812161426 | 97.69  | -1.46 | 0.41 |
| CI37 | 44.95 | 8.25 | 1902121234 | 41.51  | 0.00  | 0.13 |
| CI37 | 44.95 | 8.25 | 1903150503 | 246.43 | -0.63 | 0.14 |
| CI37 | 44.95 | 8.25 | 1905311012 | 65.01  | 0.37  | 0.18 |
| CI37 | 44.95 | 8.25 | 1907150821 | 52.80  | -0.92 | 0.11 |
| CI37 | 44.95 | 8.25 | 1909141621 | 68.34  | 0.77  | 0.30 |
| CI37 | 44.95 | 8.25 | 1910161137 | 65.87  | 0.04  | 0.09 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI38 | 44.76 | 8.41 | 1810290654 | 216.76 | 0.00  | 0.02 |
| CI38 | 44.76 | 8.41 | 1810292017 | 216.62 | 0.00  | 0.02 |
| CI38 | 44.76 | 8.41 | 1810292326 | 284.31 | -0.02 | 0.16 |
| CI38 | 44.76 | 8.41 | 1903010850 | 251.66 | -0.51 | 0.05 |
| CI38 | 44.76 | 8.41 | 1904230537 | 62.56  | 0.04  | 0.11 |
| CI38 | 44.76 | 8.41 | 1905311012 | 65.18  | -1.31 | 0.20 |
| CI38 | 44.76 | 8.41 | 1906250601 | 127.59 | 0.01  | 0.06 |
| CI38 | 44.76 | 8.41 | 1906281551 | 42.47  | -0.01 | 0.09 |
| CI38 | 44.76 | 8.41 | 1907011659 | 65.02  | -0.02 | 0.24 |
| CI38 | 44.76 | 8.41 | 1907071508 | 69.35  | -0.02 | 0.24 |
| CI38 | 44.76 | 8.41 | 1907081852 | 69.27  | -0.02 | 0.23 |
| CI38 | 44.76 | 8.41 | 1907122042 | 63.50  | -0.02 | 0.18 |
| CI38 | 44.76 | 8.41 | 1907140910 | 68.66  | -0.02 | 0.23 |
| CI38 | 44.76 | 8.41 | 1907140943 | 69.06  | -0.02 | 0.23 |
| CI38 | 44.76 | 8.41 | 1907141026 | 68.73  | -0.02 | 0.23 |
| CI38 | 44.76 | 8.41 | 1907150821 | 53.09  | -0.01 | 0.12 |
| CI38 | 44.76 | 8.41 | 1910290104 | 66.01  | -0.06 | 0.37 |
| CI38 | 44.76 | 8.41 | 1910290242 | 65.95  | -0.03 | 0.37 |
| CI38 | 44.76 | 8.41 | 1910310111 | 65.77  | -0.02 | 0.36 |
| CI38 | 44.76 | 8.41 | 1911021808 | 199.38 | 0.00  | 0.04 |
| CI38 | 44.76 | 8.41 | 1911042153 | 240.19 | -0.02 | 0.21 |
| CI38 | 44.76 | 8.41 | 1911052052 | 189.62 | 0.00  | 0.03 |
| CI38 | 44.76 | 8.41 | 1911141845 | 68.58  | -0.03 | 0.42 |
| CI38 | 44.76 | 8.41 | 1911142112 | 68.46  | -0.38 | 0.41 |
| CI38 | 44.76 | 8.41 | 1911150117 | 68.46  | -0.03 | 0.43 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI38 | 44.76 | 8.41 | 1911161019 | 68.50  | -0.02 | 0.42 |
| CI38 | 44.76 | 8.41 | 1911231211 | 63.20  | -0.03 | 0.31 |
| CI38 | 44.76 | 8.41 | 1912030846 | 249.30 | -0.03 | 0.34 |
| CI39 | 44.67 | 8.47 | 1810290654 | 216.75 | -1.12 | 0.15 |
| CI39 | 44.67 | 8.47 | 1810292326 | 284.33 | 1.74  | 0.24 |
| CI39 | 44.67 | 8.47 | 1902020927 | 90.90  | 0.09  | 0.30 |
| CI39 | 44.67 | 8.47 | 1907140943 | 69.14  | 1.87  | 0.44 |
| CI39 | 44.67 | 8.47 | 1908272355 | 197.59 | 0.92  | 0.03 |
| CI39 | 44.67 | 8.47 | 1911231211 | 63.28  | -0.20 | 0.15 |
| CI40 | 44.60 | 8.52 | 1902020927 | 90.94  | -1.97 | 0.25 |
| CI40 | 44.60 | 8.52 | 1904221449 | 199.78 | 0.30  | 0.38 |
| CI40 | 44.60 | 8.52 | 1906191724 | 61.22  | -0.75 | 0.07 |
| CI40 | 44.60 | 8.52 | 1907140539 | 88.35  | -0.78 | 0.23 |
| CI40 | 44.60 | 8.52 | 1909141621 | 68.68  | 0.27  | 0.22 |
| CI41 | 44.53 | 8.53 | 1903010850 | 251.73 | -1.10 | 0.07 |
| CI41 | 44.53 | 8.53 | 1904062155 | 75.78  | -0.43 | 0.06 |
| CI41 | 44.53 | 8.53 | 1906140019 | 241.98 | -0.57 | 0.04 |
| CI41 | 44.53 | 8.53 | 1906240253 | 72.19  | -0.45 | 0.08 |
| CI41 | 44.53 | 8.53 | 1906281551 | 42.61  | -0.73 | 0.04 |
| CI41 | 44.53 | 8.53 | 1908272355 | 197.60 | 0.78  | 0.02 |
| CI41 | 44.53 | 8.53 | 1909291557 | 238.46 | -0.77 | 0.04 |
| CI42 | 44.46 | 8.58 | 1901220510 | 83.12  | 1.14  | 0.23 |
| CI42 | 44.46 | 8.58 | 1901221901 | 155.96 | 0.87  | 0.05 |
| CI42 | 44.46 | 8.58 | 1903150503 | 246.65 | -1.35 | 0.20 |
| CI42 | 44.46 | 8.58 | 1906240253 | 72.26  | -0.60 | 0.10 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CI42 | 44.46 | 8.58 | 1909291557 | 238.47 | -1.21 | 0.07 |
| CI42 | 44.46 | 8.58 | 1911142112 | 68.69  | -0.49 | 0.05 |
| CI43 | 44.40 | 8.62 | 1811011930 | 197.91 | -0.01 | 0.12 |
| CI43 | 44.40 | 8.62 | 1811040755 | 66.44  | 0.03  | 0.27 |
| CI43 | 44.40 | 8.62 | 1901221901 | 155.98 | 0.95  | 0.07 |
| CI43 | 44.40 | 8.62 | 1902171435 | 48.88  | -0.70 | 0.10 |
| CI43 | 44.40 | 8.62 | 1903010850 | 251.79 | -0.70 | 0.09 |
| CI43 | 44.40 | 8.62 | 1906240253 | 72.32  | -0.32 | 0.06 |
| CI43 | 44.40 | 8.62 | 1908011828 | 238.95 | -0.88 | 0.07 |
| CI43 | 44.40 | 8.62 | 1909190706 | 85.08  | -1.42 | 0.09 |
| CI43 | 44.40 | 8.62 | 1909291557 | 238.47 | -1.08 | 0.08 |
| CW01 | 45.43 | 7.26 | 1810292017 | 216.40 | -0.22 | 0.40 |
| CW01 | 45.43 | 7.26 | 1811040755 | 65.19  | 1.35  | 0.32 |
| CW01 | 45.43 | 7.26 | 1812161426 | 96.79  | -0.72 | 0.17 |
| CW01 | 45.43 | 7.26 | 1901221901 | 155.05 | 0.39  | 0.12 |
| CW01 | 45.43 | 7.26 | 1903041006 | 54.32  | 0.19  | 0.27 |
| CW01 | 45.43 | 7.26 | 1903150503 | 245.75 | 1.23  | 0.15 |
| CW01 | 45.43 | 7.26 | 1907071508 | 68.22  | 0.89  | 0.05 |
| CW01 | 45.43 | 7.26 | 1907141026 | 67.56  | 0.47  | 0.10 |
| CW02 | 45.43 | 7.37 | 1810290654 | 216.58 | 1.77  | 0.12 |
| CW02 | 45.43 | 7.37 | 1810292017 | 216.45 | -0.22 | 0.10 |
| CW02 | 45.43 | 7.37 | 1901181640 | 290.69 | -1.46 | 0.48 |
| CW02 | 45.43 | 7.37 | 1902121234 | 40.67  | -0.78 | 0.12 |
| CW02 | 45.43 | 7.37 | 1906250601 | 126.80 | -1.91 | 0.19 |
| CW02 | 45.43 | 7.37 | 1907071508 | 68.31  | 1.07  | 0.09 |

|      |       |      |            |        |       |      |
|------|-------|------|------------|--------|-------|------|
| CW02 | 45.43 | 7.37 | 1908142135 | 302.99 | -0.04 | 0.36 |
| CW02 | 45.43 | 7.37 | 1909141621 | 67.44  | 0.04  | 0.19 |
| CW03 | 45.41 | 7.51 | 1901061727 | 66.77  | 1.73  | 0.20 |
| CW03 | 45.41 | 7.51 | 1904230537 | 61.76  | 0.59  | 0.08 |
| CW03 | 45.41 | 7.51 | 1907071508 | 68.42  | 0.86  | 0.10 |
| CW03 | 45.41 | 7.51 | 1910290104 | 65.16  | -0.58 | 0.20 |
| CW04 | 45.37 | 7.61 | 1810292326 | 283.91 | -1.01 | 0.31 |
| CW04 | 45.37 | 7.61 | 1903060013 | 62.58  | 0.44  | 0.09 |
| CW04 | 45.37 | 7.61 | 1907071508 | 68.52  | 1.08  | 0.09 |
| CW05 | 45.32 | 7.73 | 1901260812 | 66.63  | 0.87  | 0.11 |
| CW05 | 45.32 | 7.73 | 1910290104 | 65.35  | -0.71 | 0.09 |
| CW05 | 45.32 | 7.73 | 1911052052 | 189.28 | 1.43  | 0.38 |

Table S2 - Splitting parameters for stations with good SI measurements from at least four different back-azimuthal bin directions. Header: Station | Station latitude (Lat) | Station longitude (Lon) | FPD | FPDerr | TD | TDerr | RMS | Number of Measurements (#)

| Station | Lat   | Lon  | FPD    | FPDerr | TD   | TDerr | RMS   | #  |
|---------|-------|------|--------|--------|------|-------|-------|----|
| CE03    | 45.79 | 7.60 | -0.78  | 2.35   | 0.75 | 0.06  | 12.64 | 18 |
| CI07    | 46.23 | 5.52 | 11.58  | 6.57   | 0.13 | 0.04  | 8.05  | 17 |
| CI11    | 46.09 | 6.03 | -0.33  | 1.56   | 0.83 | 0.05  | 13.30 | 9  |
| CI15    | 46.01 | 6.54 | -7.45  | 0.57   | 1.08 | 0.02  | 18.86 | 13 |
| CI16    | 45.92 | 6.62 | -2.58  | 0.66   | 1.09 | 0.02  | 27.78 | 23 |
| CI17    | 45.95 | 6.72 | 11.48  | 0.96   | 0.79 | 0.02  | 17.21 | 17 |
| CI18    | 45.90 | 6.77 | 15.11  | 2.53   | 0.64 | 0.06  | 8.29  | 11 |
| CI19    | 45.94 | 6.90 | 0.98   | 0.61   | 1.32 | 0.03  | 20.85 | 12 |
| CI21    | 45.72 | 7.14 | 37.08  | 2.27   | 1.04 | 0.07  | 18.74 | 15 |
| CI23    | 45.68 | 7.24 | 22.22  | 1.97   | 0.74 | 0.05  | 20.34 | 17 |
| CI24    | 45.65 | 7.25 | 37.75  | 1.59   | 0.93 | 0.05  | 14.58 | 12 |
| CI37    | 44.95 | 8.25 | 87.15  | 12.30  | 0.32 | 0.09  | 9.52  | 7  |
| CI38    | 44.76 | 8.41 | -59.03 | 3.69   | 0.13 | 0.02  | 10.61 | 28 |
| CI39    | 44.67 | 8.47 | -43.54 | 2.80   | 1.01 | 0.07  | 16.59 | 6  |
| CI41    | 44.53 | 8.53 | -53.46 | 0.62   | 0.99 | 0.02  | 19.35 | 7  |
| CI42    | 44.46 | 8.58 | 76.64  | 1.76   | 2.18 | 0.13  | 5.75  | 6  |
| CI43    | 44.40 | 8.62 | -67.28 | 1.86   | 0.85 | 0.06  | 12.82 | 9  |
| CW01    | 45.43 | 7.26 | 1.35   | 3.98   | 0.88 | 0.13  | 12.19 | 8  |
| CW02    | 45.43 | 7.37 | 22.80  | 2.92   | 0.78 | 0.08  | 19.64 | 8  |