

# Silurian Time Scale

| AGE (Ma)         | Series/Stage   | Graptolites   | Chitinozoans  | Sporomorphs  | Vertebrates  | Bioevents  |                                   |
|------------------|--|---|---|--|--|--|-----------------------------------|
| 416.0±2.8        | <b>Devonian</b>  | <i>Monograptus uniformis</i>  | <i>Eisenackitina bohemia</i>  | <i>Emphanisporites micromatus</i> - <i>Streel. newportensis</i>        | <i>Nostolepis minima</i>   |  |                                   |
| 420              | <b>Pridoli</b>   | <i>Monograptus transgrediens</i><br><i>Monograptus bouceki-perneri</i>                            | <i>Angochitina superba</i>  | not zoned  | <i>Katoporus timanicus-lithuanicus</i><br><i>Poracanthodes punctatus</i><br><i>Nostolepis gracilis</i> | ← Klonk C<br>← <i>transgrediens</i> G                          |                                   |
|                  |  | <i>Monograptus lochkovenski</i><br><i>Monograptus branikensis</i>                                 | <i>Margachitina elegans</i>   | <i>Synorisporites triapillatus</i> - <i>Apiculiretusispora spicula</i> | <i>Thelodus sculptilis</i>   | ← spineus G<br>← Klev C  |                                   |
|                  |  | <i>Monogr. parultimus-ultimus</i>   | <i>Fungochitina kosovenski</i>  |  |  | ← <i>kozlowskii</i> G  |                                   |
|                  | <b>Ludlow</b>  | <i>Monograptus formosus</i>   | <i>Eisenackitina barrandei</i>  | <i>Synorisporites libycus</i>  | <i>Andreolepis hedei</i>   | ← Lau C  |                                   |
|                  |  | <i>Neocucullograptus kozlowskii</i><br><i>B. cornuatus-P. podoliensis</i>                         | <i>Eisenackitina phillipi</i>   | <i>Lophozonotriletes? poecilomorphus</i>                               | <i>Phlebolepis elegans</i>   | ← <i>leintwardinensis</i> G<br>← Linde C                       |                                   |
|                  |  | <i>Saetograptus leintwardinensis</i> - <i>Saetograptus linearis</i>                               | <i>Angochitina echinata</i>   |  |  |  |                                   |
|                  | 421.3±2.6  | <b>Gorstian</b>   | <i>Lobograptus scanicus</i>   | <i>Belonechitina latifrons</i>   | <i>Sclya. downiei</i> - <i>Concen. sagittarius</i>   | <i>Phlebolepis ornata</i>                                      |                                   |
|                  | 422.9±2.5  | <b>Wenlock</b>  | <i>Neodiversograptus nilssoni</i>   | <i>Sphaerochitina lycoperdoides</i>                                    | <i>Artemopyra brevicostata</i> - <i>Hispanaediscus verrucatus</i>                                      | <i>Paralogana martinssoni</i>                                  | ← Mulde C<br>← <i>lundgreni</i> G |
|                  | <b>Homerian</b>  |   | <i>Colonograptus ludensis</i>   |  |  |  |                                   |
|                  |  |   | <i>Colono. praedeubeli-deubeli</i><br><i>Pristio. parvus-Gotho. nassa</i> | <i>Conochitina pachycephala</i>  |  |  |                                   |
| 426.2±2.4        | <b>Sheinwoodian</b>  | <i>Cyrtograptus lundgreni</i>   | <i>Cingulochitina cingulata</i>   |  | <i>Loganellia grossi</i>   | ← Valleviken C<br>← Boge C                                     |                                   |
| 428.2±2.3        |  | <i>Cyrtograptus perneri</i><br><i>Cyrtograptus rigidus</i>  | <i>Margachitina margaritana</i>   | <i>Archaeozonotriletes chulus chulus</i>                               | <i>Loganellia avonia</i>   | ← <i>murchinsoni</i> G<br>← Ireviken C<br>← <i>lapworthi</i> G |                                   |
|                  |  | <i>Monogr. beloph.-anten.</i><br><i>Monogr. rickartensis</i>                                      |   |  |  |  |                                   |
|                  |  | <i>Cyrtograptus murchisoni</i><br><i>Cyrtograptus centrifugus</i><br><i>Cyrtograptus insectus</i> |   | <i>Archaeozonotriletes chulus nanus</i>                                |  |  |                                   |
|                  |  | <i>Cyrtograptus lapworthi</i>   |   |  |  |  |                                   |
| 430              | <b>Llandovery</b>  | <i>Oktavites spiralis</i>   | <i>Angochitina longicollis</i>  |  |  |  |                                   |
| <b>Telychian</b> |  | <i>Monoclimacis crenulata</i> - <i>Monoclimacis griestoniensis</i>                                |   |  |  |  |                                   |
|                  |  | <i>Monograptus crispus</i>  |   | <i>Ambitisporites dilatus</i>  | <i>Loganellia scotica</i>  |  |                                   |
|                  |  | <i>Spirograptus turriculatus</i>  | <i>Eisenackitina dolioliformis</i>  | <i>Ambitisporites avitus</i>   | <i>Loganellia sibirica</i>   | ← <i>utilis</i> G C  |                                   |
| 436.0±1.9        |  | <b>Aeronian</b>   | <i>Spirograptus guerichi</i>  |  |  |  |                                   |
| 439.0±1.8        | <i>Stimulograptus sedgwickii</i><br><i>Lituigraptus convolutus</i> |   | <i>Cono. alargada</i>   |  |  | ← Sandvika C<br>← <i>sedgwickii</i> G                          |                                   |
|                  | <i>Monograptus argenteus</i>                                       |   | <i>Spinachitina maennili</i>  |  |  |  |                                   |
| 440              | <b>Rhuddanian</b>  | <i>Demirastrites pectinatus</i> - <i>Demirastrites triangulatus</i>                               |   | <i>Segestrespora membranifera</i>                                      |  |  |                                   |
| 443.7±1.5        |  | <i>Coronograptus cyphus</i>   | <i>Conochitina electa</i>   | <i>Pseudodyadospora sp. B</i>  | <i>Valyalaspis crista</i>  |  |                                   |
|                  |  | <i>Orthograptus vesiculosus</i>   | <i>Beloehitina postrobusta</i>  |  |  |  |                                   |
|                  |  | <i>Parakidograptus acuminatus</i>   | <i>Spinachitina fragilis</i>  |  |  | ← <i>acuminatus</i> G  |                                   |
|                  | <i>Akidograptus ascensus</i>                                       |   |   | not zoned  |  |  |                                   |
|                  | <b>Ordovician</b>  |   |   |  |  |  |                                   |