Longitude decimal degrees XN[NN][.N(9)]

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# Longitude decimal degrees XN[NN][.N(9)]

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| Identifying and definitional attributes | |
| Metadata item type: | Value Domain |
| METEOR identifier: | 430400 |
| Registration status: | [Aged Care](https://meteor.aihw.gov.au/RegistrationAuthority/19), Standard 30/06/2023  [Community Services (retired)](https://meteor.aihw.gov.au/RegistrationAuthority/1), Standard 06/02/2012  [Disability](https://meteor.aihw.gov.au/RegistrationAuthority/16), Standard 13/08/2015  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 05/10/2016  [Housing assistance](https://meteor.aihw.gov.au/RegistrationAuthority/11), Standard 01/05/2013 |
| Definition: | A numeric measurement of longitude in decimal degrees. |

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| Representational attributes | | |
| Representation class: | Identifier | |
| Data type: | Geospatial | |
| Format: | XN[NN][.N(9)] | |
| Maximum character length: | 13 | |
| Unit of measure: | Decimal degree | |
| Unit of measure precision: | 0 | |

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| Collection and usage attributes | |
| Guide for use: | The 'X' in the longitude format symbolises the designator symbol “+” or “-” and should be placed prior to the first number.  The designator symbol for longitudes east of Greenwich are positive and shall be designated by use of the plus sign (+), while longitudes west of Greenwich are negative and shall be designated by use of the minus sign (-). The Prime Meridian shall be designated by use of the plus sign (+). The 180th meridian shall be designated by use of the minus sign (-).  The format XN[NN][.N(9)] allows for 1, 2 and 3 digit longitudes (ie. degrees) with the option of 0 to 9 decimal places (i.e. decimal degrees).  Usage examples:   * +149.091360569 * +2 * -50.321- |

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| Source and reference attributes | |
| Submitting organisation: | Australian Institute of Health and Welfare |
| Origin: | Standards Australia/Standards New Zealand 2008. AS/NZS ISO6709:2008—Standard representation of latitude, longitude and altitude for geographic point locations. Sydney/Wellington: Standards Australia/Standards NZ.  Standards Australia 2006. AS 4590—2006 Interchange of client information. Sydney: Standards Australia. |

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| Relational attributes | |
| Data elements implementing this value domain: | [Address—geocode longitude, decimal degrees XN[NN][.N(9)]](https://meteor.aihw.gov.au/content/430469)  [Aged Care](https://meteor.aihw.gov.au/RegistrationAuthority/19), Standard 30/06/2023  [Community Services (retired)](https://meteor.aihw.gov.au/RegistrationAuthority/1), Standard 06/02/2012  [Disability](https://meteor.aihw.gov.au/RegistrationAuthority/16), Standard 13/08/2015  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 05/10/2016  [Housing assistance](https://meteor.aihw.gov.au/RegistrationAuthority/11), Standard 01/05/2013 |