

Example objID calculation for

R.A. = 101.287155

DEC = -16.7164089

ZH = 0.0083333

ZID = (Dec + 90) / ZH = 08794.0661

ObjID = 087941012871550661

The diagram illustrates the construction of the ObjID string. It shows three components: the ZID value (08794.0661), the R.A. value (101.287155), and the resulting ObjID string (087941012871550661). Arrows indicate how these values are mapped to parts of the ObjID: the integer part of ZID (08794) maps to the first five digits, the fractional part of ZID (0661) maps to the last five digits, and the R.A. value (101287155) maps to the middle ten digits.

R.A. = 101.287155