

EGM2008 Geoid in SDR+ Quick Reference

EGM2008 Geoid File Zones (36 zones, 2.5' x 2.5')

The following chart is a north-south and east-west coordinate representation in SDR+ of the EGM2008 Geoid, in 36 zones around the globe. It is followed by the spacing and extents of the grid files for each zone.

To use:

1. Refer to the chart to find the zone(s) for the region in which you will be surveying. The zone numbers in the chart below (for example, z01) refer to the grid file name with the same ending (for example, egm2008z01.gmf).
2. Refer to the **EGM2008 Geoid Zone Grid Files** table to find the grid(s) that you will need to download to use with the selected coordinate system. The files must be downloaded to the SDR+\Grids folder (on the instrument if using a total station to collect data or on the controller if using a handheld data controller).
3. Use the geoid grid file with the coordinate system that is appropriate for your region.

Note: For details on using coordinate systems and geoids in SDR+, refer to the *SDR+ User Guide*.

		LONGITUDE (E-W)						
		0°	60°	120°	180°	240°	300°	360°
LATITUDE (N-S)	90°	z01	z02	z03	z04	z05	z06	
	60°	z07	z08	z09	z10	z11	z12	
	30°	z13	z14	z15	z16	z17	z18	
	0°	z19	z20	z21	z22	z23	z24	
	-30°	z25	z26	z27	z28	z29	z30	
	-60°	z31	z32	z33	z34	z35	z36	
	-90°							

EGM2008 Geoid Zone Grid Files

	Spacing 2.5' x 2.5'	Extents	Spacing 2.5' x 2.5'	Extents
egm2008z01.gmf	E – W	0° to 59° 57' 30"	N – S	90° 00' 00" to 60° 02' 30"
egm2008z02.gmf	E – W	60° to 119° 57' 30"	N – S	90° 00' 00" to 60° 02' 30"
egm2008z03.gmf	E – W	120° to 179° 57' 30"	N – S	90° 00' 00" to 60° 02' 30"
egm2008z04.gmf	E – W	180° to 239° 57' 30"	N – S	90° 00' 00" to 60° 02' 30"

	Spacing 2.5' x 2.5'	Extents	Spacing 2.5' x 2.5'	Extents
egm2008z05.gmf	E – W	240° to 299° 57' 30"	N – S	90° 00' 00" to 60° 02' 30"
egm2008z06.gmf	E – W	300 to 359° 57' 30"	N – S	90° 00' 00" to 60° 02' 30"
egm2008z07.gmf	E – W	0° to 59° 57' 30"	N – S	60° 00' 00" to 30° 02' 30"
egm2008z08.gmf	E – W	60° to 119° 57' 30"	N – S	60° 00' 00" to 30° 02' 30"
egm2008z09.gmf	E – W	120° to 179° 57' 30"	N – S	60° 00' 00" to 30° 02' 30"
egm2008z10.gmf	E – W	180° to 239° 57' 30"	N – S	60° 00' 00" to 30° 02' 30"
egm2008z11.gmf	E – W	240° to 299° 57' 30"	N – S	60° 00' 00" to 30° 02' 30"
egm2008z12.gmf	E – W	300° to 359° 57' 30"	N – S	60° 00' 00" to 30° 02' 30"
egm2008z13.gmf	E – W	0° to 59° 57' 30"	N – S	30° 00' 00" to 0° 02' 30"
egm2008z14.gmf	E – W	60° to 119° 57' 30"	N – S	30° 00' 00" to 0° 02' 30"
egm2008z15.gmf	E – W	120° to 179° 57' 30"	N – S	30° 00' 00" to 0° 02' 30"
egm2008z16.gmf	E – W	180° to 239° 57' 30"	N – S	30° 00' 00" to 0° 02' 30"
egm2008z17.gmf	E – W	240° to 299° 57' 30"	N – S	30° 00' 00" to 0° 02' 30"
egm2008z18.gmf	E – W	300° to 359° 57' 30"	N – S	30° 00' 00" to 0° 02' 30"
egm2008z19.gmf	E – W	0° to 59° 57' 30"	N – S	0° 00' 00" to -29° 57' 30"
egm2008z20.gmf	E – W	60° to 119° 57' 30"	N – S	0° 00' 00" to -29° 57' 30"
egm2008z21.gmf	E – W	120° to 179° 57' 30"	N – S	0° 00' 00" to -29° 57' 30"
egm2008z22.gmf	E – W	180° to 239° 57' 30"	N – S	0° 00' 00" to -29° 57' 30"
egm2008z23.gmf	E – W	240° to 299° 57' 30"	N – S	0° 00' 00" to -29° 57' 30"
egm2008z24.gmf	E – W	300° to 359° 57' 30"	N – S	0° 00' 00" to -29° 57' 30"
egm2008z25.gmf	E – W	0° to 59° 57' 30"	N – S	-30° 00' 00" to -59° 57' 30"
egm2008z26.gmf	E – W	60° to 119° 57' 30"	N – S	-30° 00' 00" to -59° 57' 30"
egm2008z27.gmf	E – W	120° to 179° 57' 30"	N – S	-30° 00' 00" to -59° 57' 30"
egm2008z28.gmf	E – W	180° to 239° 57' 30"	N – S	-30° 00' 00" to -59° 57' 30"
egm2008z29.gmf	E – W	240° to 299° 57' 30"	N – S	-30° 00' 00" to -59° 57' 30"
egm2008z30.gmf	E – W	300° to 359° 57' 30"	N – S	-30° 00' 00" to -59° 57' 30"
egm2008z31.gmf	E – W	0° to 59° 57' 30"	N – S	-60° 00' 00" to -90° 00' 00"
egm2008z32.gmf	E – W	60° to 119° 57' 30"	N – S	-60° 00' 00" to -90° 00' 00"
egm2008z33.gmf	E – W	120° to 179° 57' 30"	N – S	-60° 00' 00" to -90° 00' 00"
egm2008z34.gmf	E – W	180° to 239° 57' 30"	N – S	-60° 00' 00" to -90° 00' 00"
egm2008z35.gmf	E – W	240° to 299° 57' 30"	N – S	-60° 00' 00" to -90° 00' 00"
egm2008z36.gmf	E – W	300° to 359° 57' 30"	N – S	-60° 00' 00" to -90° 00' 00"