

Test Values for WMM2015v2

The computation was carried out with double precision arithmetic. Single precision arithmetic can cause differences of up to 0.1 nT. Heights are with respect to the WGS 84 Ellipsoid. Grid Variation is with respect to the Grid North of the Universal Polar Stereographic Projection

Date	Height (km)	Lat (Deg)	Lon (Deg)	X (nT)	Y (nT)	Z (nT)	H (nT)	F (nT)	I (Deg)	D (Deg)	GV (Deg)
2015	0	80	0	6636.6	-451.9	54408.9	6651.9	54814.0	83.03	-3.90	-3.90
2015	0	0	120	39521.1	377.7	-11228.8	39522.9	41087.1	-15.86	0.55	0.55
2015	0	-80	240	5796.3	15759.1	-52927.1	16791.2	55526.8	-72.40	69.81	309.81
2015	100	80	0	6323.4	-477.6	52249.1	6341.4	52632.5	83.08	-4.32	-4.32
2015	100	0	120	37538.1	351.1	-10751.1	37539.7	39048.9	-15.98	0.54	0.54
2015	100	-80	240	5612.2	14789.3	-50385.8	15818.3	52810.5	-72.57	69.22	309.22
2017.5	0	80	0	6605.2	-298.7	54506.3	6612.0	54905.9	83.08	-2.59	-2.59
2017.5	0	0	120	39569.4	252.3	-11067.9	39570.2	41088.9	-15.63	0.37	0.37
2017.5	0	-80	240	5864.6	15764.1	-52706.1	16819.7	55324.8	-72.30	69.59	309.59
2017.5	100	80	0	6294.3	-331.1	52337.8	6303.0	52716.0	83.13	-3.01	-3.01
2017.5	100	0	120	37584.4	235.7	-10600.5	37585.1	39051.4	-15.75	0.36	0.36
2017.5	100	-80	240	5674.9	14793.1	-50179.5	15844.2	52621.5	-72.48	69.01	309.01
Date	Height (km)	Lat (Deg)	Lon (Deg)	Xdot (nT/yr)	Ydot (nT/yr)	Zdot (nT/yr)	Hdot (nT/yr)	Fdot (nT/yr)	Idot (deg/yr)	Ddot (deg/yr)	
2015	0	80	0	-12.6	61.3	39.0	-16.7	36.7	0.02	0.52	
2015	0	0	120	19.3	-50.2	64.3	18.8	0.5	0.09	-0.07	
2015	0	-80	240	27.3	2.0	88.4	11.3	-80.8	0.04	-0.09	
2015	100	80	0	-11.6	58.6	35.5	-16.0	33.3	0.02	0.52	
2015	100	0	120	18.5	-46.1	60.2	18.1	0.8	0.09	-0.07	
2015	100	-80	240	25.1	1.5	82.5	10.3	-75.6	0.04	-0.08	
2017.5	0	80	0	-12.6	61.3	39.0	-15.3	36.9	0.02	0.53	
2017.5	0	0	120	19.3	-50.2	64.3	19.0	1.0	0.09	-0.07	
2017.5	0	-80	240	27.3	2.0	88.4	11.4	-80.7	0.04	-0.08	
2017.5	100	80	0	-11.6	58.6	35.5	-14.7	33.5	0.02	0.53	
2017.5	100	0	120	18.5	-46.1	60.2	18.2	1.2	0.09	-0.07	
2017.5	100	-80	240	25.1	1.5	82.5	10.4	-75.6	0.04	-0.08	