

Table 5: WMM2015 test values. 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	0	80	0	6627.1	-445.9	54432.3	6642.1	54836.0	83.04	-3.85	-3.85
2015.0	0	0	120	39518.2	392.9	-11252.4	39520.2	41090.9	-15.89	0.57	0.57
2015.0	0	-80	240	5797.3	15761.1	-52919.1	16793.5	55519.8	-72.39	69.81	309.81
2015.0	100	80	0	6314.3	-471.6	52269.8	6331.9	52652.0	83.09	-4.27	-4.27
2015.0	100	0	120	37535.6	364.4	-10773.4	37537.3	39052.7	-16.01	0.56	0.56
2015.0	100	-80	240	5613.1	14791.5	-50378.6	15820.7	52804.4	-72.57	69.22	309.22
2017.5	0	80	0	6599.4	-317.1	54459.2	6607.0	54858.5	83.08	-2.75	-2.75
2017.5	0	0	120	39571.4	222.5	-11030.1	39572.0	41080.5	-15.57	0.32	0.32
2017.5	0	-80	240	5873.8	15781.4	-52687.9	16839.1	55313.4	-72.28	69.58	309.58
2017.5	100	80	0	6290.5	-348.5	52292.7	6300.1	52670.9	83.13	-3.17	-3.17
2017.5	100	0	120	37585.5	209.5	-10564.2	37586.1	39042.5	-15.70	0.32	0.32
2017.5	100	-80	240	5683.5	14808.8	-50163.0	15862.0	52611.1	-72.45	69.00	309.00
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	0	80	0	-11.1	51.5	10.8	-14.5	8.9	0.02	0.44	
2015.0	0	0	120	21.3	-68.2	88.9	20.6	-4.5	0.13	-0.10	
2015.0	0	-80	240	30.6	8.1	92.4	18.2	-82.6	0.05	-0.09	
2015.0	100	80	0	-9.5	49.2	9.1	-13.2	7.5	0.02	0.44	
2015.0	100	0	120	20.0	-61.9	83.7	19.4	-4.4	0.13	-0.09	
2015.0	100	-80	240	28.2	6.9	86.2	16.5	-77.3	0.05	-0.09	
2017.5	0	80	0	-11.1	51.5	10.8	-13.5	9.1	0.02	0.44	
2017.5	0	0	120	21.3	-68.2	88.9	20.9	-3.8	0.13	-0.10	
2017.5	0	-80	240	30.6	8.1	92.4	18.3	-82.5	0.05	-0.09	
2017.5	100	80	0	-9.5	49.2	9.1	-12.2	7.6	0.01	0.44	
2017.5	100	0	120	20.0	-61.9	83.7	19.6	-3.7	0.13	-0.09	
2017.5	100	-80	240	28.2	6.9	86.2	16.6	-77.2	0.05	-0.09	