

Test Values for WMMHR2025

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)
2025.0	0	80	0	6517.4	144.8	54701.3	6519.0	55088.3	83.20	1.27	1.27
2025.0	0	0	120	39643.1	-100.3	-10580.7	39643.2	41030.9	-14.94	-0.14	
2025.0	0	-80	240	6136.3	15740.2	-52096.7	16894.0	54767.4	-72.03	68.70	-51.30
2025.0	100	80	0	6218.6	81.8	52567.3	6219.1	52933.9	83.25	0.75	0.75
2025.0	100	0	120	37679.1	-98.7	-10148.9	37679.3	39022.1	-15.07	-0.15	
2025.0	100	-80	240	5916.0	14762.5	-49580.3	15903.8	52068.5	-72.22	68.16	-51.84
2027.5	0	80	0	6494.8	293.5	54779.0	6501.5	55163.4	83.23	2.59	2.59
2027.5	0	0	120	39667.0	-159.1	-10383.9	39667.3	41003.9	-14.67	-0.23	
2027.5	0	-80	240	6218.5	15719.7	-51860.8	16905.0	54546.5	-71.95	68.42	-51.58
2027.5	100	80	0	6197.8	223.2	52638.8	6201.8	53002.9	83.28	2.06	2.06
2027.5	100	0	120	37702.1	-152.0	-9968.1	37702.4	38997.9	-14.81	-0.23	
2027.5	100	-80	240	5991.6	14743.3	-49359.7	15914.3	51861.8	-72.13	67.88	-52.12
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)	
2025.0	0	80	0	-9	59.5	31.1	-7.7	29.9	0.01	0.52	
2025.0	0	0	120	9.6	-23.5	78.7	9.6	-11	0.11	-0.03	
2025.0	0	-80	240	32.9	-8.2	94.4	4.3	-88.4	0.03	-0.11	
2025.0	100	80	0	-8.3	56.6	28.6	-7.6	27.5	0.01	0.52	
2025.0	100	0	120	9.2	-21.3	72.3	9.2	-9.9	0.11	-0.03	
2025.0	100	-80	240	30.2	-7.7	88.2	4.1	-82.8	0.03	-0.11	
2027.5	0	80	0	-9	59.5	31.1	-6.3	30.1	0.01	0.53	
2027.5	0	0	120	9.6	-23.5	78.7	9.7	-10.6	0.11	-0.03	
2027.5	0	-80	240	32.9	-8.2	94.4	4.5	-88.3	0.04	-0.11	
2027.5	100	80	0	-8.3	56.6	28.6	-6.3	27.7	0.01	0.52	
2027.5	100	0	120	9.2	-21.3	72.3	9.3	-9.5	0.11	-0.03	
2027.5	100	-80	240	30.2	-7.7	88.2	4.3	-82.7	0.03	-0.11	