

Reduction to the Pole

Steps: 1 Required Channels

- *Easting, Northing*
- *Latitude, Longitude*
- *Date*

Reduction to the Pole

Steps: 2 Page 1

Reduce To Pole Settings

Input Channels

Easting	UTMX_Z14N	Latitude	Latitude	Year	2010
Northing	UTMY_Z14N	Longitude	Longitude	Month	2
Data(nT)	Mag_2018	Elevation(m)	GPSZ	Day	25

Update IGRF

☒ Standard FFT Method (apply to latitude far from equator.
Suggested area from +/- 30 degrees to pole)

☐ Other method (apply to latitude near equator.
Suggested area within +/- 30 degrees)

Select a method for area near equator

Inversion in Fourier Domain
Enhanced FFT for induced magnetization
Wiener Filter

Ambient (Earth's field) properties

Inclination	78.152476
Declination	7.444353
Intensity(nT)	58870.242043

Magnetization properties

Inclination	78.152476
Declination	7.444353
Intensity(nT)	58870.242043

Output Channel

☐ Overwrite ☒ Create

Mag_2018_RTP

Process Close Help

Reduction to the Pole

Steps: 2 Page 2 - Test the grid settings in Interpolation

Derivatives by FFT

Input Data Channel
Mag_2018

Coordinates
X: UTMX_Z14N
Y: UTMY_Z14N
Update Grid

Output Channels Information
☒ Create
☐ Overwrite

☒ Dx: Mag_2018_dx
☒ Dy: Mag_2018_dy
☒ Dz: Mag_2018_dz

☒ Dx:
☒ Dy:
☒ Dz:

Output Grid Information
MinU: -3477.674 MinV: -2693.818
MaxU: 3471.674 MaxV: 2689.818
dU: 3.39 dV: 85.45
Nu: 2048 Nv: 64
Angle: 58.03 Center X: 336723
(counterclockwise wrt east) Center Y: 6075109
Use Tukey(cosine bell) window :
ax = 10 %
ay = 10 %
☐ Advanced

Average distance between lines : 199.87
Average distance between locations 2.54

Apply Cancel Help