

SAGUARO Standard Data Types

Data Type	File extension	Data format	Header (with e.g. parameter values)	Etc.
Map	.map	a X b 2D matrix	\$Date Created=08/20/11 1:14 PM \$X size=1820 \$Y size=1820 \$X unit=mm \$Y unit=mm \$Z unit=mm	'NaN' for background values
Mask	.mask	a X b 2D matrix	\$Date Created=08/20/11 4:24 PM	'NaN' for masking area, and 1 for un-masked area
Frequency Map	.freqmap	a X b 2D matrix	\$Date Created=08/20/11 3:03 PM \$X Max Frequency=0.048626 \$Y Max Frequency=0.048626 \$X unit=1/mm \$Y unit=1/mm \$Z unit=mm	'NaN' for background values
Zernike Coefficients	.zernike	a X 3 2D matrix	\$Date Created=06/13/12 1:25 PM \$Radius=10 \$Radius unit=mm \$Height unit=nm \$Obscuration Ratio=0.1	1st column: Zernike Coef., 2nd column: m, 3rd column: n (where Z_m^n)
Layermap	.layermap	a X b X c 3D matrix	\$Date Created=06/13/12 11:59 AM \$X size=10 \$Y size=10 \$X unit=mm \$Y unit=mm \$Layer unit=nm, μ m \$Layer Label=peaks, Airy function	a X b part is defined same as 'Map' data type. This data type can store multiple (i.e. c) maps. There is an empty line between a X b maps.
Coordinates	.coordinates	a X b 2D matrix	\$Date Created=06/13/12 12:16 PM \$Column unit=mm, mm, nm \$Column Label=x position, y position, Sinc function	Each column may represent any list of data. (e.g. 1st column: x, 2nd column: y, 3rd column: z)
General	.general	undefined	undefined	Arbitrary user-defined data type

Note: Templates for each data type can be found in the "Templates" folder in SAGUARO.