			Polaris	H / º	M	S	Decimal
X	150,94		-322,6875	3	47	38,553	**56,75**
Z	-7,91		-212,4375	89	27	7,71	**89,45**
Y	-99,44		194,59375				
Distancia LY	180,9247504						
Polar Angle θ	-0,05235703519	-2,99983714					
Azimuth angle ϕ	2,15270655	123,3409999					
delta_NGP = 27.1284; % declination north galactic pole (J2000.0)							
alpha_NGP = 192.8595; % right ascension north galactic pole (J2000.0)							
ell_NGP = 122.9320; % longitude north galactic pole (J2000.0)							