

# ISO Geodetic Registry

<i>Item class</i>	GeodeticDatum																
<i>Name</i>	<b>SIRGAS Continuously Operating Network DGF01P02</b>																
<i>Item status</i>	VALID																
<i>Identifier</i>	136																
<i>Alias</i>	SIRGAS																
<i>Alias</i>	SIRGAS-CON																
<i>Alias</i>	DGF01P02																
<i>Alias</i>	Geocentric Reference System for the Americas																
<i>Alias</i>	DGFI01P02																
<i>Alias</i>	Sistema de Referencia Geocentrico para las Americas																
<i>Alias</i>	SIRGAS Multi-Year Solution 2001 extended																
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<i>Page</i>	285-290																
<i>Data source</i>	ISO Geodetic Registry																
<i>Remarks</i>	Replaces DGF01P01. Replaced by DGF02P01.																
<i>Anchor definition</i>	Realized by a frame of 48 continuously operating stations using GPS observations from June 1996 to April 2001 and aligned to ITRF2000 at epoch 1998.4. Velocity model VEMOS2003 used to propagate coordinates from an arbitrary epoch to the 1998.4 reference epoch.																
<i>Release date</i>	2002																
<i>Coordinate Reference Epoch</i>	1998.4																
<i>Scope</i>	Spatial referencing																
<i>Ellipsoid</i>	GRS 1980																
<i>Prime Meridian</i>	Greenwich																

Extent

<i>Description</i>	<b>South America - onshore and offshore. Central America - onshore and offshore. Mexico - onshore and offshore.</b>		
<i>Geographic Bounding Box</i>	<i>West-bound longitude</i>	-122.19	
	<i>North-bound latitude</i>	32.72	
	<i>East-bound longitude</i>	-25.28	
	<i>South-bound latitude</i>	-59.87	

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<i>Item class</i>	Ellipsoid														
<i>Name</i>	<b>GRS 1980</b>														
<i>Item status</i>	VALID														
<i>Identifier</i>	27														
<i>Alias</i>	Geodetic Reference System 1980														
<i>Alias</i>	GRS1980														
<i>Alias</i>	IAG GRS80														
<i>Alias</i>	International 1979														
<i>Alias</i>	GRS80														
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<i>Issue identification</i>	Volume 58, No. 3														
<i>Page</i>	395-405														
<i>Data source</i>	ISO Geodetic Registry														
<i>Remarks</i>	Adopted by IUGG 1979 Canberra. Inverse flattening is derived from geocentric gravitational constant $GM = 3986005e8 \text{ m}^3/\text{s}^2$ , dynamic form factor $J_2 = 108263e-8$ and Earth's angular velocity = $7292115e-11 \text{ rad/s}$ .														
<i>Semi-major axis</i>	6378137.0 m														
<i>Inverse flattening</i>	298.257222101 m														

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<i>Item class</i>	PrimeMeridian	
<i>Name</i>	<b>Greenwich</b>	
<i>Item status</i>	VALID	
<i>Identifier</i>	25	
<i>Alias</i>	Zero meridian	
<i>Information source</i>	<i>Title</i>	Why the Greenwich meridian moved
	<i>Author</i>	S. Malys, J.H. Seago, N.K. Pavlis, P.K. Seidelmann, G.H. Kaplan
	<i>Publisher</i>	Springer International Publishing
	<i>Publication date</i>	2015-12
	<i>Series/Journal name</i>	Journal of Geodesy
	<i>Issue identification</i>	Volume 89, No. 12
	<i>Page</i>	1263–1272
<i>Information source</i>	<i>Title</i>	IERS Conventions (2010)
	<i>Author</i>	G. Petit, B.J. Luzum (eds)
	<i>Publisher</i>	Verlag des Bundesamts für Kartographie und Geodäsie
	<i>Publication date</i>	2010
	<i>Edition date</i>	
	<i>Series/Journal name</i>	IERS Technical Notes
	<i>Issue identification</i>	36.0
<i>Data source</i>	<i>Other citation details</i>	ISSN: 1019-4568
	ISO Geodetic Registry	
<i>Greenwich longitude</i>	0.0 °	