

## Criterios de Procesamiento para el proyecto “Centros de Análisis para SIRGAS”

	<b>IBG</b>	<b>CPL</b>	<b>IGA</b>	<b>GMA</b>	<b>DGF</b>	<b>Adopted for the Project</b>
<b>Software used</b>	Bernese 5.0	Bernese 5.0	Bernese 5.0	GAMIT–GLOBEK	Bernese 5.0	
<b>Sampling rate</b>	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec
<b>Elevation cutoff</b>	10 °	5°	3°	10°	5°	3°
<b>Orbits/EOP</b>	IGS final referred to ITRF2000/IGb00 EOP week	IGS final referred to ITRF2000/IGb00 EOP week	IGS final referred to ITRF2000/IGb00 EOP week	IGS final referred to ITRF2000/IGb00 EOP week	IGS final referred to ITRF2000/IGb00 EOP week	IGS final referred to ITRF2000/IGb00 EOP week
<b>Baselines strategy</b>	SHORTEST	SHORTEST	MAXOBS	ALL OBS.	MAXOBS	any
<b>Observations weighting</b>	$\text{Cos}^2(Z)$	None	$\text{Cos}^2(Z)$	?	$\text{Cos}^2(Z)$	any
<b>A priori Troposphere model</b>	Niell dry component	Niell dry component	Niell dry component	Saastamoinen	Niell dry component	any
<b>Troposphere</b>	Zenith delay estimated each 2 hours(12 daily corrections p/station) A priori sigmas	Zenith delay estimated each 2 hours(12 daily corrections p/station) A priori sigmas	Zenith delay estimated each 2 hours(12 daily corrections p/station) A priori sigmas	Zenith delay estimated each 2 hours(12 daily corrections p/station) A priori sigmas	Zenith delay estimated each 2 hours(12 daily corrections p/station) A priori sigmas	any

	applied with respect to prediction model Niell (wet component)  first parameter +/- 5 m absolute and +/- 5 cm relative	applied with respect to prediction model Niell (wet component)  first parameter +/- 5 m absolute and +/- 10 cm relative	applied with respect to prediction model Niell (wet component)  first parameter +/- 5 m absolute and +/- 5 cm relative	applied with respect to prediction model Niell  first parameter +/- ? m absolute and +/- ? cm relative	applied with respect to prediction model Niell (wet component)  irst parameter +/- 5 m absolute and +/- 10 cm relative	
<b>Ambiguities</b>	QIF strategy with lonosphere maps from IGS	QIF strategy	QIF strategy with lonosphere maps from IGS	Wide lane	QIF strategy	any
<b>Ocean tide model</b>	GOT00.2	GOT00.2 and FES95.5	FES2004	?	GOT00.2 and FES2004	any
<b>Phase center variation</b>	absolute	relative	absolute	relative	relative	Absolute after October, 2006
<b>Coordinates and velocities</b>	IGSb00	DGF05P01	IGSb00 / ITRF2000	ITRF2000 /	IGSb00 ITRF2000	IGSb00 / ITRF2000  Provided by DGFI
<b>Daily solution</b>	NEQ files, minimum constraint solution BRAZ (ITRF2000 coordinates, $\sigma=\pm 1\text{mm}$ )  OUTPUT: SINEX files with troposphere	NEQ files, free network solution ( $\sigma=\pm 1\text{m}$ )	NEQ files, free network solution ( $\sigma=\pm 1\text{m}$ )	Constrained ( $\sigma=\pm 5\text{mm}$ ) at fiducial stations: KOUR, FORT, BRAZ, SANT, RIOG, LPGS	NEQ files, free network solution ( $\sigma=\pm 1\text{m}$ )	SINEX files, free network solution ( $\sigma=\pm 1\text{m}$ ), troposphere and ambiguities pre-eliminated

	parameters					
<b>Week solution</b>	SINEX files and NEQ Constrained, $\sigma=\pm 1\text{mm}$ LPGS, SANT, BRAZ, RIOG	SINEX files Free network solution ( $\sigma=\pm 1\text{m}$ ) Constrained network solution ( $\sigma=\pm 0.1\text{mm}$ ) LPGS, SANT, RIOG	SINEX files free network solution ( $\sigma=\pm 1\text{m}$ )	?	SINEX files Free network solution ( $\sigma=\pm 1\text{m}$ ) Minimum constrained solution NNT and NNR Stations: ASC1, CRO1, EISL, FORT, KOUR. LPGS, OHIG/OHI2, RIOG, SANT	SINEX files, free network solution ( $\sigma=\pm 1\text{m}$ )