CONTO8 COL campaign 2008/08/10-2008/08/30	VLBI	VLBI
Analysis Center		
Name	**IVS AC DGFI**	**Observatoire Bordeaux**
Contact	heinkelmann@dgfi.badw.de	geraldine.bourda@obs-u.bordeaux1.fr
Software		
Name and version	OCCAM 6.1 LSM (LINUX)	GINS v 9.3
Satellite		
satellites included in weekly SINEX	no	VLBI sessions: IVS-R1, IVS-R4, CONT08
Arc cut		
Arc lengths	no	1 day
Handle of Manoeuvers	no	-
Handle of Data lacks	no	-
Additional margins	no	-
Reference System		
Polar motion and UT1 a priori	ICRF2	ICRF2
Polar motion and UT1 approach	IERS EOP 05 C04	IERS bulletin C04 consistent with ITRF2005, use of IERS 2003 Conventions
Nutation	offset + rate / day	piece wise linear polygon
Station coordinates and velocities	VTRF2008	ITRF2005
Displacement of reference		
Earth tides	IERS Conventions 2003	Wahr model (IERS Conventions 2003)
Atmospheric loading	Petrov&Boy (2004)	ECMWF-derived 3D pressure field at 6 hr interval
Ocean loading	FES2004	FES 2004 (all principal constituents, with admittance)
Hydrology loading	no	none

Pole tides	yes, linear mean pole	Solid Earth Pole tide from IERS2003
Satellite reference		
Mass and center of gravity	no	-
Satellite center of mass - antenna phase center correction	no	-
Attitude Model	no	-
Gravity		
Gravity field (static)	no	-
Gravity field (time varying)	no	-
Earth tides	no	IERS 2003 Solid Earth tides
Pole tide	no	Solid Earth Pole tide from IERS2003
Ocean tides	no	FES 2004 (all principal constituents, with admittance)
Atmospheric tides	no	derived from ECMWF model
Atmospheric gravity	no	-
Third bodies	no	Sun, Moon and major planets
Surface forces and		
Radiation Pressure model	no	-
Earth radiation	no	-
Atmospheric density model	no	-
Empirical forces	no	-

Measurements		

Troposphere correction	IERS Conventions 2003	ECMWF
Frequency	ionosphere dual band correction	1 tropospheric delay per hour + 1 clock break per hour
Relativity	IAU1997	Schwarzschild model + Lense-Thirring + geodetic precession
Weight	original weight from NGS file + data snooping	A priori: Troposheric delay variation < 10 cm; Clock break variation < 10 µs
Elevation angle cutoff	Tesmer (2004)	?
Downweighting law	Tesmer (2004)	-
vector from center of mass to center of phase	no	-
Datation bias (to compensate for along-track inconsistency	no	-

Reduced Parameters		
Orbital elements	no	-
Clocks	yes	1 clock break per hour
Frequency	no	-
Troposphere	yes	-
Solar Radiation Pressure	no	-
Earth Radiation Pressure	no	-
Drag coefficients	no	-
empirical bias	no	-
empirical periodic	no	-

Parameters in SINEX		

Orbital elements	no	-
Clocks	no, pre-reduced	-
Frequency	no	-
Troposphere	no, but possible	1 zenithal tropospheric bias adjusted per hour
Solar Radiation Pressure	no	-
Earth Radiation Pressure	no	-
Drag coefficients	no	-
1/rev empiricals	no	-
Station Positions	yes	weekly X,Y,Z on Wednesday at 12:00
Station Velocities	no	-
Range biases	yes	Xp, Yp per 6hrs (0:00, 6:00, 12:00, 18:00)
Polar Motion	yes	UT1 per 6hrs (0:00, 6:00, 12:00, 18:00)
UT1	yes	Nutation per 12hrs (0:00, 12:00)
Nutation	no, but possible	-
Quasar coordinates	no	-
Gravity field		

	HARTRAO	7232
List of Stations (DOMES and site, e.g. 10000M000 AAAA or 9999)	KOKEE	7298
	MEDICINA	7230
	NYALES20	7331
	ONSALA60	7213
	SVETLOE	7380

TIGOCONC	7640
TSUKUB32	7345
WESTFORD	7209
WETTZELL	7224
ZELENCHK	7381