

## DeDeCC - Analysis report

### 1. General Information:

Analyser/Institution: \_\_\_\_\_

Used Software (Name + VersionNb.): \_\_\_\_\_

Date: \_\_\_\_\_

### 2. Experiment preparation:

#### 2.1 Observation file:

- enclosed NGS-file was used       full mode  
 self-created file                       reduced mode

#### 2.2 CRF:

- ICRF1  
 manually  
 other

#### 2.3 TRF:

- ITRF2005  
 manually  
 other

#### 2.4 axis offset:

- antenna information file (IVS Analysis Coordinator)  
 manually  
 other

#### 2.5 a priori EOP file:

- enclosed daily file was used  
 self-created file

#### 2.6 Ephemerides (Sun, Moon, Earth, planets):

Please give information on the ephemerides you used (e.g. JPL DE 405, directly computed or interpolation from daily/half-daily values, etc.).

### 3. Delay modelling

#### 3.1 Station Locations:

**Corrections**

applied    not applied    don't know

Solid Earth tides

      

Tidal ocean loading

      

Tidal atmosphere loading

      

Non-tidal atmosphere loading

      

Pole tide

      

#### 3.2 Earth Orientation:

**ERP-Variations**

- Zonal tides in UT1 (tver2000.f, Defraigne & Smits)
- Ocean tides (71 waves, Eanes)
- Lunisolar torque (10 waves, pm\_gravi)
- else

**Precession/Nutation**

- IAU 2000A
- other

**Implementation**

- CIO-based (dX, dY)
- equinox-based (psi, eps)

#### 3.3 a priori troposphere delay

**a priori hydrostatic zenith delay**

- 1000 hPa at both stations
- other

**Mapping function**

- VMF1
- other

#### 3.4 Antenna structure

**thermal antenna deformation**

- 15°C
- other

### 3.5 geometric/relativistic delay modelling

**Model**

- Consensus model
- Sovers/MODEST-way
- other

**the delay ( $k_0 \cdot b$ ) is calculated in the**

- barycentric celestial system
- other

**gravitational delay included for**

- Sun
- Earth
- Moon
- Planets

**Further comments**

### 3.6 additional information, comments, etc.