

19th European VLBI for Geodesy and Astrometry (EVGA) Working Meeting

March 24-25 2009,

Cap Sciences – Hangar 20 – Quai de Bacalan – Bordeaux (France)

Tuesday 24 March 2009

09:00–09:15 Opening of 19th EVGA working meeting

Session 1: The VLBI celestial reference frame

Chair: A. Nothnagel

09:15–09:30 Preparations for the next ICRF

D. Gordon & D. MacMillan

09:30–09:45 Dependence of catalogue orientation parameters accuracy from sources set selection

S. Kurdubov & E. Skurikhina

09:45–10:00 X/Ka-band Global Astrometric Results

C.S. Jacobs & O.J. Sovers

10:00–10:15 Systematic effects in the radio source proper motion

O. Titov

10:15–10:30 On the connection of the apparent proper motion and the VLBI structure of compact radio sources

S. Frey, A. Moór & O. Titov

10:30–10:45 Apparent motion of quasars and its physical mechanisms

V.E. Zharov et al.

10:45–11:15 Coffee break

Session 2: VLBI modeling

Chair: H. Schuh

11:15–11:30 Multi-technique approach for deriving a VLBI signal extra-path variation model induced by gravity: the example of Medicina

P. Sarti et al.

11:30–11:45 An assessment of Atmospheric Turbulence for CONT05 and CONT08

T. Nilsson & R. Haas

11:45–12:00 Atmospheric calibration applied to CONT05 VLBI data

R. Haas

12:00–12:15 Modeling azimuthal asymmetries of the troposphere delay during a 14-days typhoon period in Tsukuba

A. Pany et al.

12:15–12:30 Atmospheric VLBI: A method to validate long time series of water vapour content

G. Elgered & R. Haas

12:30–12:45 Recent modeling improvements in SOLVE analysis

D. MacMillan & J. Gipson

12:45–14:00 Lunch break

Session 3: Data acquisition and correlation

Chair: R. Porcas

14:00–14:15 The Mark 5C VLBI Data System

A. Whitney et al.

14:15–14:30 DBBC.2 Backend System: status report

G. Tuccari et al.

14:30–14:45 MPIfR/BKG correlator report

W. Alef et al.

14:45–15:00 e-VLBI and other developments at the EVN MkIV Data Processor at JIVE

R.M. Campbell & A. Szomoru

15:00–15:15 Current status of Chinese VLBI network software correlator

Z. Weimin et al.

15:15–15:30 Shanghai correlation system upgrade for geodetic application

S. Fengchun et al.

15:30–16:30 Coffee break & POSTER SESSION

Session 4: Terrestrial reference frame and Earth Rotation determination

Chair: H. Hase

16:30–16:45 Russian domestic QUASAR network – Participation in domestic and IVS observational programs

A. Finkelstein et al.

16:45–17:00 Geodetic research at IRA-INAF: recent results between a golden past and a gloomy future

M. Negusini et al.

Last update: Wednesday 18 March 2009

17:00–17:15	The 2008 local-tie determination at the Onsala Space Observatory	M. Lösler & R. Haas
17:15–17:30	IVS contribution to ITRF2008 – Status and results	S. Böckmann et al.
17:30–17:45	IVS contribution to ITRF2008: preliminary analysis	X. Collilieux & Z. Altamimi
17:45–18:00	Monitoring UT1 using VLBI and GPS estimates	D. Gambis et al.
18:00–18:15	CONT08 – First results and high-frequency Earth rotation	T. Artz et al.

Wednesday 25 March 2009

Session 5: Progress and developments in VLBI technology

Chair: W. Alef

09:00–09:15	Status of the Twin Telescope Wettzell Project	H. Hase et al.
09:15–09:30	An Atlantic Network of Geodynamical Fundamental Stations (Project RAEGE)	J. Gómez-González & F. Colomer
09:30–09:45	Concepts for remote control of VLBI-telescopes and first experiences at Wettzell	A. Neidhardt et al.
09:45–10:00	VLBI2010: Next generation VLBI System for Geodesy and Astrometry	A. Niell et al.
10:00–10:15	VLBI2010 simulations at IGG Vienna	J. Wresnik et al.

10:15–10:45 Coffee break

Chair: R. Haas

10:45–11:00	Starting tests for the observation of GNSS-signals in view of the planned VLBI2010 system	V. Tornatore & R. Haas
11:00–11:15	VLBI Data Interchange Format	A. Whitney et al.
11:15–11:30	Report of Working Group 4 on Data Structures	J. Gipson
11:30–11:45	Plans for the Vienna VLBI Software VieVS	J. Boehm et al.
11:45–12:00	Closing of 19 th EVGA working meeting	

12:00–13:00 Lunch break

13:30 Departure by bus for Talence (Université Bordeaux 1 – salle Agora)

14:30 IVS 10th Anniversary Celebration

17 Posters

Andrei <i>et al.</i>	Meeting the LQAC
Baudry	VLBI potential of the ALMA telescope in the millimetre
Bertarini <i>et al.</i>	Effects on the geodetic-VLBI measurable due to polarization leakage in the receivers
Bourda <i>et al.</i>	Bordeaux IVS Analysis Center activities and plans for the future
Collioud <i>et al.</i>	The Bordeaux VLBI Image Database
Finkelstein <i>et al.</i>	CONT08 – preliminary results
Garcia-Espada <i>et al.</i>	Simulations for different antenna velocities in a VLBI network
Gontier & Lambert	A snapshot of VLBI activities at the Paris Observatory
Johnston <i>et al.</i>	The Position Stability of Compact Radio Sources at 23 and 43 GHz
Kurdubov & Panafidina	Scale difference between various TRF solutions
Kurdubov & Skurikhina	Comparison of position time series statistics and global solutions formal errors data
Lambert & Gontier	On source selection and frame stability
Lösler & Eschelbach	Evolution and obtained expertise in reference point determination at the GIK
Tanir <i>et al.</i>	Analyses on the time series of the radio telescope coordinates of the IVS-R1 & -R4 sessions
Teke <i>et al.</i>	Piecewise linear offsets for VLBI parameter estimation
Zhang <i>et al.</i>	VLBI image model-fitting pipeline program
Zharov & Kaufman	SAI VLBI Analysis Center Activities

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