



OV-GAFF

Géodésie Astronomie Fondamentale groupe France

Actions 2006-2007

Thématiques GAFF

PRODUITS	LLR	VLBI	SLR	GPS/ GALILEO	DORIS	SST-II
Repère extragalactique		***				
Rattachement au système solaire	***	*				
Rattachement à la Terre						
<i>Précession-Nutation</i>	**	***	*	*		
<i>Temps Universel</i>	*	***				
Rotation de la Terre						
<i>Longueur du jour</i>		***	*	**		
<i>Mouvement du pôle</i>		***	**	***	*	
Repère terrestre						
<i>Homogénéité de la couverture mondiale</i>		*	*	**	***	
<i>Centre de masse (GM)</i>			***	*	*	
<i>Centre de figure</i>		**				
<i>Mouvement des plaques tectoniques</i>		***	**	***	***	
<i>Densification</i>			*	***	**	
Orbitographie des satellites hauts						
<i>Type : GPS/GALILEO</i>			*	***		
<i>Type LAGEOS, ETALON</i>			***			
Orbitographie des satellites bas						
<i>Type : TOPEX/Poséidon, JASON-1</i>			**	***	***	
<i>Type : ERS, ENVISAT</i>			**	***	***	
<i>Type : CHAMP, GRACE</i>			*	***		***
Champ de gravité						
<i>Grandes longueurs d'onde (statique)</i>			***	**	*	*
<i>Moyennes et courtes longueurs d'onde (statique)</i>			**	***	**	**
<i>Variations temporelles</i>			**	*		***

Le groupe OV-GAFF

- 2005 : début des projets pilotes OP/SYRTE et OCA/GEMINI
- Groupes représentés : OP/SYRTE, OCA/GEMINI, IMCCE, OASU, ESGT, EOST, IGN, IPGP
- Organisation nationale :
 - Liste de diffusion
 - Site web

OV-GAFF

- A rajouter dans vos favoris...
<http://www.obs-azur.fr/heberges/pnaf/OV-GAFF/>
- Liens vers les web services disponibles

Webserives autour de OV-GAFF

http://www.obs-azur.fr/heberges/pnaf/OV-GAFF/Webservices/webse

OPAR Callisto seb.lambert Yahoo.fr Yahoo.us

Groupe de travail OV-GAFF

INSU CNES CENTRE NATIONAL D'ETUDES SPATIALES

Dans le site, vous êtes là : [Accueil portail](#) > [Accueil OV-GAFF](#) > [Webservices](#)

FONCTIONNEMENT

- Les acteurs
- Les actions
- Le financement

OBJECTIFS SCIENTIFIQUES

- Recherche d'exactitude
- Combinaisons de données
- Interfaces disciplinaires
- Navigation interplanétaire

ASPECTS INTERNATIONAUX

- Organisation
- Implications
- Liens utiles

PAGES DE TRAVAIL DE L'ASOV

- Pages OV-GAFF
- Informations générales
- Informations techniques
- Nos documents de travail

SERVICES EN LIGNE

- Par type de donnée
- Par groupe
- Par type de produit

Webservices classés par groupes de recherche

Ici on pourrait mettre un logo et ici des photos ?

Observatoire de la Côte d'Azur, Equipe "Géodésie et Mécanique Céleste"

L'équipe GMC de l'OCA fournit :

- Les [séries temporelles de position de stations d'observations, et de paramètres d'orientation de la Terre](#), venant de ses propres valorisations de données, et celles d'autres groupes liés aux services internationaux (ILRS, IGS, IVS).
- Les [biais des stations laser](#), établis par l'équipe, entre deux évolutions technologiques successives.
- Centre français d'analyse de l'ILRS.

Observatoire de Paris, Département "SYstèmes de Référence Terre et Espace"

- [Séries temporelles d'EOP](#) de l'IERS
- [Paramètres de rotation de la Terre](#), à partir d'une date
- [ICRF et radio-sources extragalactiques](#)

There was one error opening the page. For more information, choose Activity from the Window menu.

Centres de produits IERS

- Centre des paramètres d'orientation terrestre (EOP, D. Gambis, C. Bizouard et al.)
 - Collecte, combinaison, dissémination des EOP
 - Référence internationale (C04)
- Centre du système céleste (ICRS, J. Souchay, C. Barache et al.)
 - Réalisation et maintenance de l'ICRS
 - ICRF, ICRF-Ext.1, ICRF-Ext.2
- Centre du système terrestre (ITRS, Z. Altamimi et al.)
 - Réalisation et maintenance de l'ITRS
 - ITRF xxxx, ITRF 2005



IERS EOP Center

- <http://hpiers.obspm.fr/eop-pc/>
- Sélection/comparaison/analyse interactives des séries d'EOP
- Plots
- Web service (Linux, Windows) : pour n'importe quelle date, on a
 - les EOP
 - la matrice d'orientation terrestre
- Mise au format VOTable en cours

NEWS **IERS EOP PC**



Theory and modelling

- Earth orientation parameters
- Astro-geodetic techniques
- Models / Software
- Leap second
- Useful constants

Earth Orientation Data

- Synoptic of EOP series
- Combined EOP series**
- Plot combined C04**
- Plot combined C01
- EOP series : comparison**
- EOP series : analysis**
- Last evolution of EOP
- Bulletins B, C, D
- Rotation matrix/vector

Geophysical excitation

- Geophysical excitation
- Excitation of PM/LOD
- Excitation of nutation

- Interactive tools
- Dates converter
- Related sites
- Int. Terrestrial Ref. Frame

 **WEB master:**
Christian
BIZOUARD

Rapid Service
IERS Central Bureau

INTERACTIVE SEARCH FOR EOP 05 C04

1962-current week - [More details on C04 series](#)

<input type="radio"/> No date <input checked="" type="radio"/> Civil date (year/month/day) <input type="radio"/> Modified Julian date <input type="radio"/> Besselian year <input checked="" type="radio"/> (x,y) (mas) <input type="checkbox"/> Remove tidal variations ¹ <input type="radio"/> UT1-UTC (ms) <input type="radio"/> UT1-TAI (ms) <input type="radio"/> DLOD / date ² <input type="radio"/> Dw ₃ / date ³ <input type="radio"/> (dy,dc) UAI 1980 (mas) <input type="radio"/> (dX,dY) UAI 2000 (mas) <input type="radio"/> All EOP - UAI 1980 <input type="radio"/> All EOP - UAI 2000	Starting date			Ending date																																																																																																																												
	<table border="1"> <thead> <tr> <th>Year</th> <th>Month</th> <th>Day</th> </tr> </thead> <tbody> <tr><td>1972</td><td>1</td><td>1</td></tr> <tr><td>1973</td><td>2</td><td>2</td></tr> <tr><td>1974</td><td>3</td><td>3</td></tr> <tr><td>1975</td><td>4</td><td>4</td></tr> <tr><td>1976</td><td>5</td><td>5</td></tr> <tr><td>1977</td><td>6</td><td>6</td></tr> <tr><td>1978</td><td>7</td><td>7</td></tr> <tr><td>1979</td><td>8</td><td>8</td></tr> <tr><td>1980</td><td>9</td><td>9</td></tr> <tr><td>1981</td><td>10</td><td>10</td></tr> <tr><td>1982</td><td>11</td><td>11</td></tr> <tr><td>1983</td><td>12</td><td>12</td></tr> <tr><td>1984</td><td></td><td>13</td></tr> <tr><td>1985</td><td></td><td>14</td></tr> <tr><td>1986</td><td></td><td>15</td></tr> <tr><td>1987</td><td></td><td>16</td></tr> <tr><td>1988</td><td></td><td>17</td></tr> <tr><td>1989</td><td></td><td>18</td></tr> <tr><td>1990</td><td></td><td>19</td></tr> <tr><td>1991</td><td></td><td>20</td></tr> </tbody> </table>	Year	Month	Day	1972	1	1	1973	2	2	1974	3	3	1975	4	4	1976	5	5	1977	6	6	1978	7	7	1979	8	8	1980	9	9	1981	10	10	1982	11	11	1983	12	12	1984		13	1985		14	1986		15	1987		16	1988		17	1989		18	1990		19	1991		20	<table border="1"> <thead> <tr> <th>Year</th> <th>Month</th> <th>Day</th> </tr> </thead> <tbody> <tr><td>1991</td><td>1</td><td>12</td></tr> <tr><td>1992</td><td>2</td><td>13</td></tr> <tr><td>1993</td><td>3</td><td>14</td></tr> <tr><td>1994</td><td>4</td><td>15</td></tr> <tr><td>1995</td><td>5</td><td>16</td></tr> <tr><td>1996</td><td>6</td><td>17</td></tr> <tr><td>1997</td><td>7</td><td>18</td></tr> <tr><td>1998</td><td>8</td><td>19</td></tr> <tr><td>1999</td><td>9</td><td>20</td></tr> <tr><td>2000</td><td>10</td><td>21</td></tr> <tr><td>2001</td><td>11</td><td>22</td></tr> <tr><td>2002</td><td>12</td><td>23</td></tr> <tr><td>2003</td><td></td><td>24</td></tr> <tr><td>2004</td><td></td><td>25</td></tr> <tr><td>2005</td><td></td><td>26</td></tr> <tr><td>2006</td><td></td><td>27</td></tr> <tr><td>2007</td><td></td><td>28</td></tr> <tr><td>2008</td><td></td><td>29</td></tr> <tr><td>2009</td><td></td><td>30</td></tr> <tr><td>2010</td><td></td><td>31</td></tr> </tbody> </table>	Year	Month	Day	1991	1	12	1992	2	13	1993	3	14	1994	4	15	1995	5	16	1996	6	17	1997	7	18	1998	8	19	1999	9	20	2000	10	21	2001	11	22	2002	12	23	2003		24	2004		25	2005		26	2006		27	2007		28	2008		29	2009		30	2010		31
Year	Month	Day																																																																																																																														
1972	1	1																																																																																																																														
1973	2	2																																																																																																																														
1974	3	3																																																																																																																														
1975	4	4																																																																																																																														
1976	5	5																																																																																																																														
1977	6	6																																																																																																																														
1978	7	7																																																																																																																														
1979	8	8																																																																																																																														
1980	9	9																																																																																																																														
1981	10	10																																																																																																																														
1982	11	11																																																																																																																														
1983	12	12																																																																																																																														
1984		13																																																																																																																														
1985		14																																																																																																																														
1986		15																																																																																																																														
1987		16																																																																																																																														
1988		17																																																																																																																														
1989		18																																																																																																																														
1990		19																																																																																																																														
1991		20																																																																																																																														
Year	Month	Day																																																																																																																														
1991	1	12																																																																																																																														
1992	2	13																																																																																																																														
1993	3	14																																																																																																																														
1994	4	15																																																																																																																														
1995	5	16																																																																																																																														
1996	6	17																																																																																																																														
1997	7	18																																																																																																																														
1998	8	19																																																																																																																														
1999	9	20																																																																																																																														
2000	10	21																																																																																																																														
2001	11	22																																																																																																																														
2002	12	23																																																																																																																														
2003		24																																																																																																																														
2004		25																																																																																																																														
2005		26																																																																																																																														
2006		27																																																																																																																														
2007		28																																																																																																																														
2008		29																																																																																																																														
2009		30																																																																																																																														
2010		31																																																																																																																														

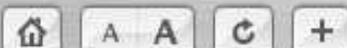
INTERACTIVE PLOT FOR EOP 05 C04

Make plot : select type and span [Description of C04 series](#)

	Starting date	Ending date
--	----------------------	--------------------

IERS ICRS Center

- <http://hpiers.obspm.fr/icrs-pc/>
- Liens directs depuis le site vers les catalogues ICRF au CDS (VOTable)
- Formulaire de consultation des caractéristiques astrométriques et physiques des radiosources complété
 - liens vers CDS
 - liens vers IVS OPAR

**ICRS-PC**

Role of the ICRS-PC
Team

ICRS

The ICRS
Definition of ICRS axes
Maintenance of the ICRS

ICRF

The ICRF
The ICRF-Ext.1
The ICRF-Ext.2

Information on radiosources
Radiosource structures

CRF analysis

Compared CRF
Time stability of ICRF
VO corner

Links

[References](#)
[Site map](#)
[Contact the webm@ster](mailto:webm@ster)

INDIVIDUAL SOURCE CONSULTATION

Your request : **0923+392**

IERS designation : 0923+392
Alias : 4C39.25
4C+39.25
B20923+39
B20923+392
DA267
OK340

ICRF designation : ICRF J092703.0+390220
ICRF category of source : Other

ICRF Structure index
at X band =
at S band =

ICRF coordinates of source (ICRF ext 2)
alpha = 9h27m 3.013906s
delta = 39° 2' 20.85196"

ICRF sigmas
sig alpha = 0.000042s
sig delta = 0.00047"

Physical characteristics of sources
Type of Object : Quasar

IERS ITRS Center

- <http://itrf.ensg.ign.fr/>
- Map server

The screenshot displays the ITRF Network Map web application. The browser window title is "ITRF Network Map" and the address bar shows "http://itrf.ensg.ign.fr/GIS/index.php". The page features a search bar for "DOMES number" and a "SEARCH" button. Below the search bar is a "Navigation Tools" section with buttons for "ZOOM +", "ZOOM -", "CENTER", "SELECT SITES", and "INFO SITES", along with dropdown menus for "Zoom to continent" and "Zoom to country". The main content area is a world map showing the ITRF network of sites, represented by various colored symbols (triangles, squares, circles) across the globe. The map is labeled with "NORTH", "SOUTH", "WEST", and "EAST". At the bottom of the map, there is a "Latitude Longitude" input field with "82.1" and "148." entered, and a "GO" button. The left sidebar contains a navigation menu with the following items: "ITRS and ITRF", "ITRF NEWS", "General concepts", "ITRF Products", "ITRF solutions", "Transformation parameters", "Domes Numbers", "DOMES description", "DOMES request", "IERS Network", "Network description", "Local surveys", "Site Information and Selection", "Get ITRF coord.", and "Guidelines".

ITRF Network Map

http://itrf.ensg.ign.fr/GIS/index.php

oo.fr Yahoo.us

Search by DOMES

Navigation Tools

ZOOM - CENTER

SITES INFO SITES - Zoom to country -

NORTH

PARIS

SOUTH

Longitude 2.41 (degrees) GO

General Site Information

General site information

Site Name : PARIS

Country Name : FRANCE
 Longitude : 2°25'
 Latitude : 48°51'
 Tectonic plate : EURA

Map not available

Local tie information

No ties information available yet.

Point information and selection

Points 1-3	Domes	Description	code	ITRF						
				93	94	96	97	2000	2005	
	10001S006	Paris Observatory / 3S Navigation TSA 100 S/N 19 / ARP	OPMT	■	■	■	■	■	■	<input type="checkbox"/>
	10001M007	P BUILDING TERRACE / NORTH- EAST CONCRETE PILLAR / TOP AND CENTRE OF A CENTERING DEVICE	SMNE	■	■	■	■	■	■	<input type="checkbox"/>
	10001M008	Dorian College	PANA	■	■	■	■	■	■	<input type="checkbox"/>

ADD SELECTED POINTS TO CART

Caption : ■ Calculated ■ Not Calculated ■ Information not available

Close the popup



Centre d'analyse VLBI IVS OPAR

- Site web ouvert fin 2006
 - <http://ivsopar.obspm.fr/>
 - ajout des formats VOTable
- Publication des solutions trimestrielles VLBI
 - orientation terrestre
 - systèmes de référence associés
 - séries temporelles de coordonnées
 - de stations
 - de radiosources
- Tout au format VOTable



OPAR

The IVS Analysis Center at the Paris Observatory

IVS OPAR

- Home
- About Us
- News & Features

VLBI PRODUCTS

- Stations
- Earth Orientation
- Radio Sources

VO CORNER

- All Products
- Archives

ABOUT VLBI

A PROPOS DU VLBI

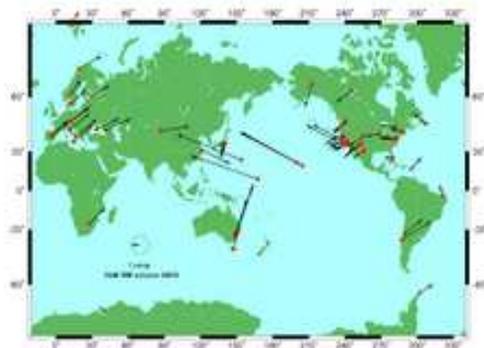
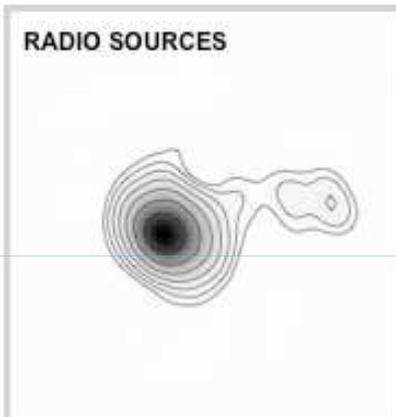
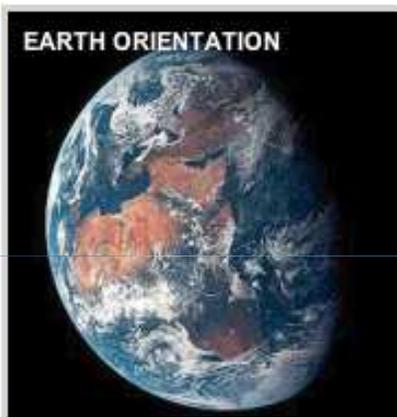
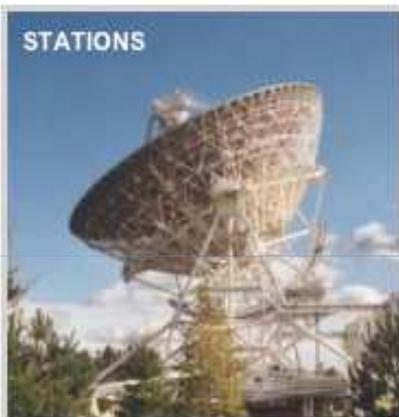


Plate motion / Dérive des continents



```
R2 rate = 13.5 +- 6.4 microas/yr
R3 rate = 0.9 +- 0.3 microsec/yr
```

EOP consistency wrt ICRF Ext.2 catalogue
Estimated on 231 sources used in more than 20 sessions

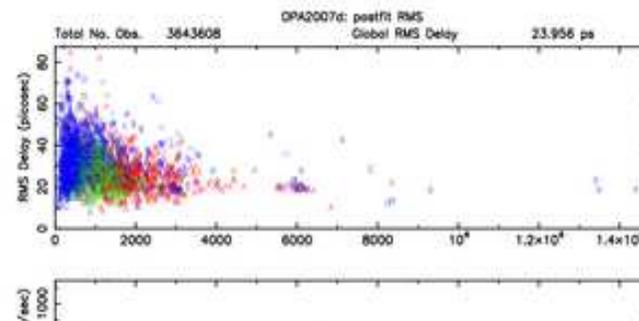
```
A1 = 38.6 +- 6.0 microas
A2 = 13.0 +- 6.1 microas
A3 = -20.6 +- 4.6 microas
dz = -12.6 +- 4.8 microas
```

ASCII data files

- [Technical description of the solution](#)
- [BATCH Solve control file](#)
- [List of experiments](#)
- [Postfit RMS delay and rate](#)
- Global site [positions](#) and [velocities](#) -- [VOTable](#)
- Global source positions: [Solve format](#) -- [IVS format](#) -- [VOTable](#)
- [Local source positions](#)
- Earth orientation parameters: [Solve format](#) -- [IVS format](#) -- [VOTable](#)
- [Correlation between EOP estimates](#)

Plots: click to enlarge the pictures.

Postfit RMS delay and rate





Arc Positions of Radio Sources

This section provides time series of coordinates of compact extragalactic radio sources (e.g., quasars, BL Lac, AGN, galaxies), monitored during multi-baseline geodetic VLBI sessions at 3.6-cm wavelength. The analysis strategy is based on baseline type solutions in which Earth rotation parameters are fixed to a priori values (IERS EOP 05 C 04), while station coordinates, UT1 rate and nutation offsets are estimated as arc parameters. [Only sources observed in more than 10 sessions are shown below.](#)

IVS OPAR

- Home
- About Us
- News & Features

VLBI PRODUCTS

- Stations
- Earth Orientation
- Radio Sources

VO CORNER

- All Products
- Archives

ABOUT VLBI

A PROPOS DU VLBI

Get: [Statistics file](#) -- [Description file](#) -- [All series in one file](#) -- [All sources with figures](#)

Or select below:

0003+380	0003-066	0007+106	0013-005	0014+813	0016+731	0019+058	0046+316	0048-097	0055+300
0059+581	0104-408	0106+013	0110+495	0111+021	0119+041	0119+115	0133+476	0146+056	0153+744
0201+113	0202+149	0202+319	0202-172	0208-512	0212+735	0215+015	0221+067	0229+131	0234+285
0235+164	0238-084	0239+108	0256+075	0300+470	0305+039	0306+102	0308-611	0316+413	0317+188
0319+121	0322+222	0333+321	0336-019	0338-214	0355+508	0400+258	0402-362	0405-385	0406+121
0420-014	0422+004	0426+273	0430+052	0430+289	0434-188	0438-436	0440+345	0446+112	0454+844
0454-234	0457+024	0458-020	0507+179	0521-365	0528+134	0530-727	0536+145	0537-441	0544+273
0552+398	0554+242	0556+238	0601+245	0602+673	0607-157	0611+131	0615+820	0620+389	0636+680
0637-752	0642+449	0656+082	0657+172	0707+476	0716+714	0718+792	0722+145	0723-008	0727-115
0735+178	0736+017	0738+313	0742+103	0743+259	0745+241	0748+126	0749+540	0804+499	0805+046
0805+410	0808+019	0814+425	0818-128	0820+560	0821+394	0821+621	0823+033	0827+243	0829+046
0836+710	0839+187	0851+202	0859+470	0917+624	0919-260	0920+390	0920-397	0923+392	0949+354
0951+693	0952+179	0953+254	0954+658	0955+476	1004+141	1014+615	1020+400	1022+194	1023+131
1030+074	1030+415	1034-293	1038+064	1038+528	1039+811	1044+719	1053+704	1053+815	1055+018
1057-797	1101+384	1101-536	1104-445	1116+128	1123+264	1124-186	1128+385	1130+009	1142+198
1144+402	1144-379	1145-071	1150+812	1156+295	1219+044	1219+285	1221+809	1222+037	1222+131
1226+023	1226+373	1228+126	1236+077	1237-101	1243-072	1244-255	1252+119	1253-055	1255-316
1257+145	1300+580	1302-102	1307+121	1308+326	1308+328	1313-333	1334-127	1342+662	1342+663
1351-018	1352-104	1354+195	1354-152	1357+769	1402+044	1404+286	1406-076	1413+135	1417+385



0923+392

[Data per session](#) -- [VO Table](#) -- [Data at 0.5-yr](#) -- [SIMBAD](#)

IVS OPAR

[Home](#)
[About Us](#)
[News & Features](#)

VLBI PRODUCTS

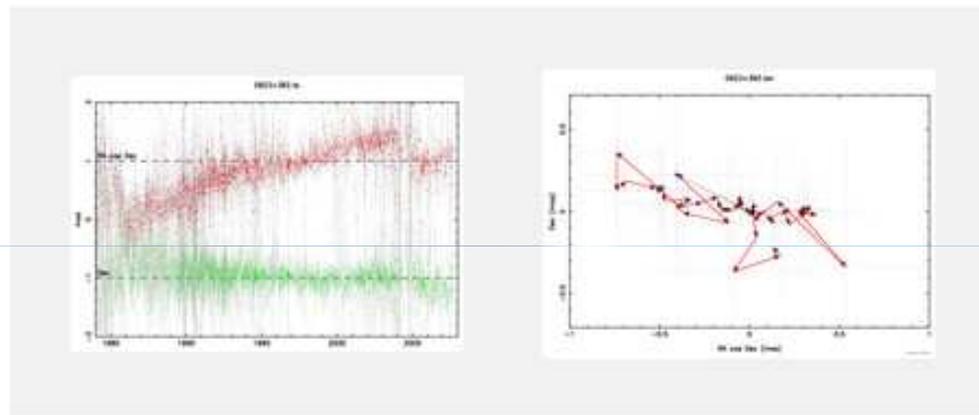
[Stations](#)
[Earth Orientation](#)
[Radio Sources](#)

VO CORNER

[All Products](#)
[Archives](#)

ABOUT VLBI

A PROPOS DU VLBI



Time series statistics

Number of sessions: 2731
 First / mid / end dates: 1984.0 / 1994.4 / 2007.7

	R.A.	Dec.
Average (°)	141.762558027630	39.039125518543
Slope (mas/yr)*	0.024	-0.012
Detrended wrms (mas)*	0.291	0.230

* R.A. means R.A.cos(Dec.)



SIMBAD query result



[CDS](#) · [Simbad](#) · [VizieR](#) · [Aladin](#) · [Catalogues](#) · [Nomenclature](#) · [Biblio](#) · [Tutorial](#) · [Developer's corner](#)

other query modes :

[Identifier query](#)

[Coordinate query](#)

[Criteria query](#)

[Bibliography query](#)

[Script submission](#)

[Output options](#)

[Help](#)

Object query : iers B0923+392

C.D.S. - SIMBAD4 rel 1.060 -
2007.11.25CET14:09:42

[Available data](#) [Basic data](#) [Identifiers](#) [Plot & images](#) [Bibliography](#) [Measurements](#) [External archives](#) [Notes](#)

Basic data :

4C 39.25 -- Seyfert 1 Galaxy

query around with radius arcmin

Other object types:

Sy1 () , **Rad**

(4C, B2, B3, BWE, CJ1, CJF, DA, FIRST, GB2, GB6, 87GB, ICRF, IERS, JVAS, 1Jy, MY, NVSS, OHIO, RGL, QSO (QSO, [BDW2002], [HB93], [S77], [VV2000], [VV2003], [VV2006], [VV96], [VV98], [WTW], IR (2MASS, 2MASSI) , **Bla** ([DGT2001]) , **G** (LEDA) , **UV** (KUV) , **gam** (INTREF)

ICRS coord. (ep=2000 eq=2000) : 09 27 03.0139 +39 02 20.852 (-Unknown) [0.49 0.47 90] A [1998AJ....116..516M](#)

FK5 coord. (ep=2000 eq=2000) : 09 27 03.014 +39 02 20.85 (-Unknown) [0.49 0.47 90] A [1998AJ....116..516M](#)

FK5 coord. (ep=1950 eq=1950) : 09 27 03.014 +39 02 20.85 (-Unknown) [0.49 0.47 90] A [1998AJ....116..516M](#)

http://ivsopar.obspm.fr/vo/index.php

http://ivsopar.obspm.fr/vo/index.php

OPAR Callisto seb.lambert Yahoo.fr Yahoo.us




Virtual Observatory Products

Some OPAR products are available in the VOTable format as defined by the International Virtual Observatory Alliance ([IVOA](#)). You can either follow the VOTable links on the relevant pages or select one product below that is extracted from the current VLBI solution. For easy visualization/manipulation of the series, use, e.g., the VO-designed [TopCat](#) or the [VOPlot](#) software packages.

Earth orientation and global reference systems

- [Earth orientation parameters](#)
- [Radio source catalogue](#), with coordinates
- [Station catalogue](#), with coordinates and velocities

Station coordinate time series

AZORES	BADARY	BR-VLBA	BREST	CARNUSTY	CRIMEA	CTVASBAY	CTVASTJ
DSS15	DSS45	DSS85	FD-VLBA	FORTLEZA	FORTORDS	GGAO7108	GILCREEK
GOLDVENU	GORF7102	GRASSE	HARTRAO	HATCREEK	HAYSTACK	HN-VLBA	HOBART26
HOFN	HOHENFRG	HOHNBERG	HRAS 085	KARLBURG	KASHIM11	KASHIM34	KASHIMA
KAUAI	KODIAK	KOGANEI	KOKEE	KP-VLBA	KWAJAL26	LA-VLBA	MARCUS
MARPOINT	MATERA	MEDICINA	METSALHOV	METSHOVI	MIAMI20	MIURA	MIZNAO10
MK-VLBA	MOJAVE12	MON PEAK	NL-VLBA	NOBEY 6M	NOTOX	NOTO	NRAO20
NRAO85 1	NRAO85 3	NRAO 140	NYALES20	OHIGGINS	ONSALA60	OV-VLBA	OVRO 130
PARKES	PENTICTN	PIETOWN	PLATTVIL	PRESIDIO	PT REYES	QUINCY	RICHMOND
SANTIA12	SC-VLBA	SESHAN25	SEST	SHANGHAI	SNDPOINT	SOURDOGH	SVETLOE
SYOWA	TATEYAMA	TIDBIN64	TIGOCONC	TIGOWTZL	TOULOUSE	TROMSONO	TRYSILNO
TSUKUB32	URUMQI	USSURISK	VICTORIA	VLA-N8	VLBA85 3	VNDNBERG	WESTFORD

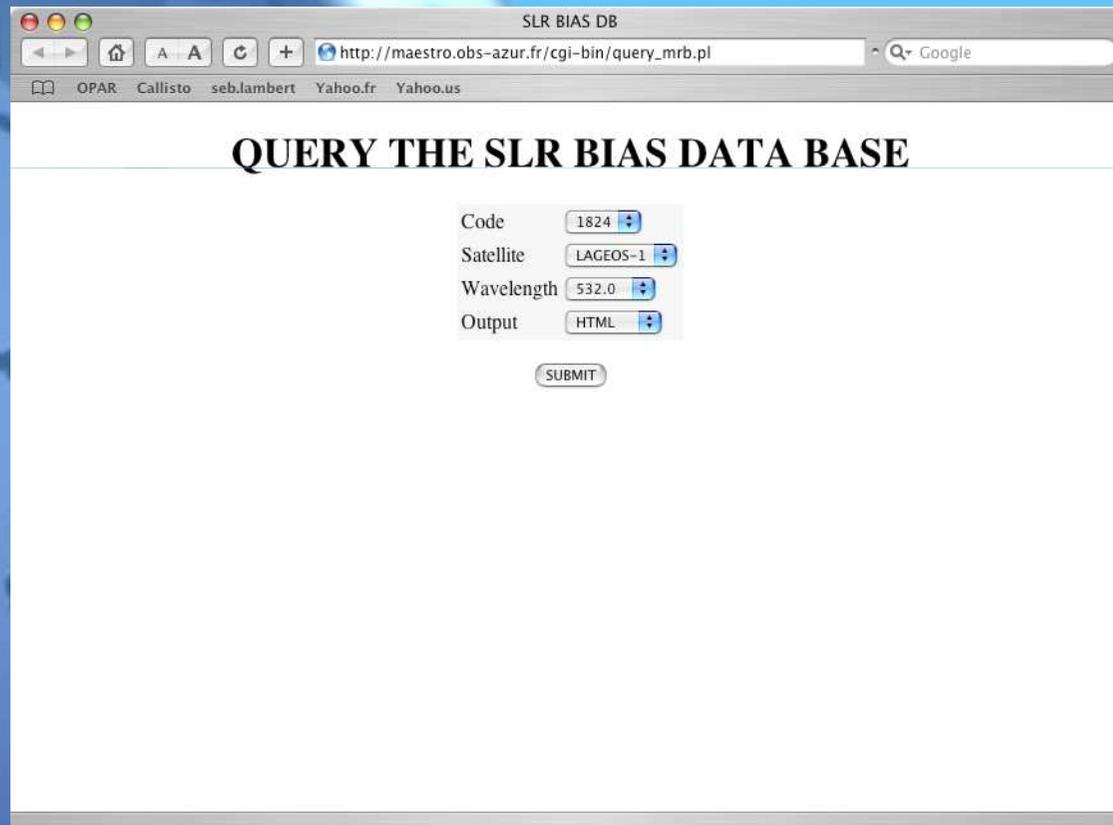
Reference System DataBase

- Outil web pour
 - consultation
 - homogénéisation
 - comparaisondes séries d'EOP multitechniques
- Sortie VOTable

The screenshot shows a web browser window titled "LABORATOIRE GEMINI : Reference System Database". The address bar shows the URL "http://maestro.obs-azur.fr/gemini/donnees/sys_ref/sys_ref_list_with...". The page content includes a sidebar with navigation links like "Reference System", "Query by technic", "Query by parameters", "Cart (0)", and "Logout". The main area displays "Reference System Database" with a "Choose another technic" button. It shows "Stations: 150" and a list of "Selected Stations" including "1311A 404245001 KAUAI 9-m at Kokee", "1404A 417055006 SANTA12 12-m at Santi", "1513A 404055014 GOLDVENU This antenna", "1515A 404055019 DSS15 34-m HEF at C", and "1543A 501035001 TIDBIN64 70-m DSS43 at". Below the list are date selection fields for "Start date" (8, 4, 1979) and "End date" (2, 2, 2006), and checkboxes for "Positions", "Velocities", and "Residuals time series". A "Reset Parameters" and "Submit" button are present. At the bottom, there are sections for "EOP: 1514 data" and "No transformation parameters available", each with date selection and checkboxes for "Polar Motion", "UT", "LOD", "XP/YP Res wrt EOPC04", and "UT Res wrt EOPC04".

BDD biais des stations de télémétrie laser

- Interface web avec sortie VOTable



The screenshot shows a web browser window titled "SLR BIAS DB". The address bar contains the URL "http://maestro.obs-azur.fr/cgi-bin/query_mrb.pl". The browser's address bar also shows "OPAR", "Callisto", "seb.lambert", "Yahoo.fr", and "Yahoo.us". The main content of the page is titled "QUERY THE SLR BIAS DATA BASE". Below the title, there are four dropdown menus for selecting query parameters: "Code" (set to 1824), "Satellite" (set to LAGEOS-1), "Wavelength" (set to 532.0), and "Output" (set to HTML). A "SUBMIT" button is located below these menus.

Dans le futur...

- Améliorer la couche API
 - définition des UCD
 - utilisation du datamodel STC dans les VOTable
 - convertir tout en VOTable
 - création d'autres web services (nusoap ou soap::lite)
- Création d'une BDD pour le centre d'analyse ILRS français (OCA)
- Rendre accessible certains des codes de calcul d'orbite via web service
- Analyser l'intérêt des WorkFlows dans le cadre de nos outils de calcul