

## IVS Components

(within types, alphabetical by component name)

### Network Stations

Component Name	Sponsoring Organization	Country
Algonquin Radio Observatory	Geodetic Survey Division, Natural Resources Canada	Canada
Fortaleza, Radio Observatorio Espacialdo Nordes (ROEN)	Centro de Rádio Astronomia e Aplicações Espaciais	Brazil
Gilmore Creek Geophysical Observatory	National Earth Orientation Service	USA
Goddard Geophysical and Astronomical Observatory	NASA Goddard Space Flight Center	USA
National Radio Astronomy Observatory, Green Bank	U. S. Naval Observatory	USA
Hartebeesthoek Radio Astronomy Observatory	Hartebeesthoek Radio Astronomy Observatory	South Africa
Key Stone Project Koganei 11m antenna	Communications Research Laboratory	Japan
Key Stone Project Kashima 11m antenna	Communications Research Laboratory	Japan
Key Stone Project Miura 11m antenna	Communications Research Laboratory	Japan
Key Stone Project Tateyama 11m antenna	Communications Research Laboratory	Japan
Kokee Park Geophysical Observatory	National Earth Orientation Service	USA
Matera	Agenzia Spaziale Italiana	Italy
Medicina (Italy)	Istituto di Radioastronomia CNR	Italy
Mizusawa	National Astronomical Observatory of Japan	Japan
Noto (Sicily)	Istituto di Radioastronomia CNR	Italy
Ny Ålesund Geodetic Observatory	Norwegian Mapping Authority	Norway
ERS/VLBI Station O'Higgins	Bundesamt für Kartographie und Geodäsie	Germany
Onsala Space Observatory	Chalmers University of Technology	Sweden
Seshan	Shanghai Observatory, Chinese Academy of Sciences	China
Simeiz	Laboratory of Radioastronomy of Crimean Astrophysical Observatory	Ukraine
Svetloe Radio Astronomy Observatory	Institute of Applied Astronomy	Russia
JARE Syowa 11m antenna	National Institute of Polar Research	Japan

Transportable Integrated Geodetic Observatory (TIGO)	Bundesamt für Kartographie und Geodäsie	Germany
Tsukuba VLBI Station	Geographical Survey Institute	Japan
Nanshan VLBI Station of Urumqi Astronomical Observatory (UAO)	Shanghai Observatory, Chinese Academy of Sciences	China
Westford Antenna, Haystack Observatory	NASA Goddard Space Flight Center	USA
Fundamentalstation Wettzell	Bundesamt für Kartographie und Geodäsie and Forschungseinrichtung Satellitengeodäsie der Technischen Universität München	Germany
Observatorio Astronómico Nacional - Yebes	Instituto Geografico Nacional	Spain
Yellowknife Geophysical Observatory	Geodetic Survey Division, Natural Resources Canada	Canada

### Operation Centers

Component Name	Sponsoring Organization	Country
Geodetic Institute Bonn	Geodätisches Institut der Universität Bonn	Germany
CORE Operation Center	NASA Goddard Space Flight Center	USA
NEOS Operation Center	National Earth Orientation Service	USA

### Correlators

Component Name	Sponsoring Organization	Country
Bonn Astro/Geo Correlator at the Max-Planck-Institute for Radio Astronomy	Bundesamt für Kartographie und Geodäsie and Geodätisches Institut der Universität Bonn	Germany
EVN Data Processor at JIVE	Joint Institute for VLBI in Europe	Netherlands
Key Stone Project	Communications Research Laboratory	Japan
MIT Haystack Observatory Correlator	NASA Goddard Space Flight Center	USA
Institute of Applied Astronomy Correlator	Institute of Applied Astronomy	Russia
Tsukuba VLBI Center	Geographical Survey Institute	Japan
Washington Correlator	National Earth Orientation Service	USA

### Data Centers

Component Name	Sponsoring Organization	Country
BKG, Leipzig	Bundesamt für Kartographie und Geodäsie	Germany
Communications Research Laboratory	Communications Research Laboratory	Japan
Crustal Dynamics Data Information System (CDDIS)	NASA Goddard Space Flight Center	USA
GeoDAF	Agenzia Spaziale Italiana	Italy
Italy CNR	Istituto di Radioastronomia CNR	Italy
Observatoire de Paris	Observatoire de Paris	France

### Analysis Centers

Component Name	Sponsoring Organization	Country
Astronomical Institute of St.-Petersburg University	Astronomical Institute of St.-Petersburg University	Russia
Bordeaux Observatory	Observatoire de Bordeaux	France
Centro di Geodesia Spaziale (CGS)	Agenzia Spaziale Italiana	Italy
Communications Research Laboratory	Communications Research Laboratory	Japan
DGFI	Deutsches Geodätisches Forschungsinstitut	Germany
Forsvarets forskningsinstitutt (FFI)	Norwegian Defence Research Establishment	Norway
GIUB-BKG Analysis Center	Geodätisches Institut der Universität Bonn and Bundesamt für Kartographie und Geodäsie	Germany
Goddard Space Flight Flight Center	NASA Goddard Space Center	USA
Haystack Observatory	NASA Goddard Space Flight Center	USA
Institute of Applied Astronomy	Institute of Applied Astronomy	Russia
Italy CNR	Istituto di Radioastronomia CNR	Italy
Jet Propulsion Laboratory	Jet Propulsion Laboratory	USA
Main Astronomical Observatory	National Academy of Sciences, Kiev	Ukraine
NAOJ	National Astronomical Observatory of Japan	Japan
Observatoire de Paris	Observatoire de Paris	France
Onsala Space Observatory	Chalmers University of Technology	Sweden
Shanghai Observatory	Shanghai Observatory, Chinese Academy of Sciences	China
U. S. Naval Observatory	U. S. Naval Observatory	USA

### Technology Development Centers

<b>Component Name</b>	<b>Sponsoring Organization</b>	<b>Country</b>
Canadian VLBI Technology Development Center	Space Geodynamics Laboratory, Geodetic Survey Division, Dominion Radio Astrophysical Observatory, Canadian Space Agency	Canada
Communications Research Laboratory	Communications Research Laboratory	Japan
Forsvarets forskningsinstitutt (FFI)	Norwegian Defence Research Establishment	Norway
Goddard Space Flight Center	NASA Goddard Space Flight Center	USA
MIT Haystack Observatory	National Earth Orientation Service	USA
Institute of Applied Astronomy	Institute of Applied Astronomy	Russia
Institut d'Estudis Espacials de Catalunya	Institut d'Estudis Espacials de Catalunya	Spain
Joint Institute for VLBI in Europe (JIVE)	Joint Institute for VLBI in Europe	Netherlands
Onsala Space Observatory	Chalmers University of Technology	Sweden