# VI Research Collaboration

## 1. Open Use

<table>
<thead>
<tr>
<th>Type</th>
<th>Project/Center</th>
<th>Category</th>
<th>Number of Accepted Proposal</th>
<th>Total Number of Researcher</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Use at Project/Center</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Okayama</td>
<td>188cm Reflector Telescope (Project Program)</td>
<td>2</td>
<td>43 (0)</td>
<td>2 Institutes</td>
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<tr>
<td></td>
<td>Astrophysical Observatory</td>
<td>188cm Reflector Telescope (Normal Program)</td>
<td>24</td>
<td>155 (4)</td>
<td>12 Institutes, 2 Countries</td>
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<tr>
<td></td>
<td></td>
<td>188cm Reflector Telescope (Student Program)</td>
<td>1</td>
<td>30 (0)</td>
<td>3 Institutes</td>
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<tr>
<td></td>
<td>Subaru Telescope</td>
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<td></td>
<td></td>
<td>77 Institutes, 14 Countries</td>
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<tr>
<td></td>
<td>Solar Observatory</td>
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<tr>
<td></td>
<td>Nobeyama Radio Observatory</td>
<td>45-m telescope (General Proposal)</td>
<td>29</td>
<td>188 (64)</td>
<td>46 Institutes, 11 Countries</td>
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<tr>
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<td></td>
<td>45-m telescope (Education Program)</td>
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<td>0</td>
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<td></td>
<td></td>
<td>45-m telescope (Short Program)</td>
<td>9</td>
<td>70 (15)</td>
<td>18 Institutes, 5 Countries</td>
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<td></td>
<td></td>
<td>45-m telescope (Back-up Program)</td>
<td>1</td>
<td>9 (2)</td>
<td>3 Institutes</td>
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<td></td>
<td>Nobeyama Solar Radio Observatory</td>
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<td></td>
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<td>40 Institutes, 15 Countries</td>
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<td></td>
<td>Mizusawa VLBI Observatory</td>
<td>VERA</td>
<td>18</td>
<td>114 (46)</td>
<td>19 Institutes, 7 Countries</td>
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<td></td>
<td>Astronomy Data Center</td>
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<td></td>
<td></td>
<td>83 Institutes, 15 Countries, Total amount of requested data 31 TB</td>
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<td></td>
<td>Center for Computational Astrophysics</td>
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<td>47 Institutes, 9 Countries</td>
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<td></td>
<td>Hinode Science Center</td>
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<td></td>
<td>46 Institutes, 14 Countries</td>
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<td></td>
<td>Advanced Technology Center</td>
<td>Facility Use</td>
<td>30</td>
<td>139</td>
<td>58 Institutes</td>
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<td>Joint Research and Development</td>
<td>7</td>
<td>52</td>
<td>15 Institutes</td>
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<td></td>
<td>NAOJ Chile Observatory</td>
<td>ALMA</td>
<td>196</td>
<td>1,846 (1,511)</td>
<td>227 Institutes, 34 Countries</td>
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<tr>
<td></td>
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<td>ASTE</td>
<td>32</td>
<td>209 (44)</td>
<td>21 Institutes, 10 Countries</td>
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<td>Mopra</td>
<td>20</td>
<td>161 (36)</td>
<td>22 Institutes, 12 Countries</td>
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<tr>
<td></td>
<td>Joint Development Research</td>
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<td></td>
<td>8 Institutes</td>
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<td></td>
<td>Joint Research</td>
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<td>2 Institutes</td>
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<td></td>
<td>Research Assembly</td>
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<td>12 Institutes</td>
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<td></td>
<td>NAOJ Symposium</td>
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</tbody>
</table>

The number of foreign researchers shown in brackets ( ) is included in the total.

Notes show the number of institutes and foreign countries represented by the proposal PIs. The country count does not include Japan.

* The observation data is open to the public on the web. No application is needed to use the data.
# 2. Commissioned Research Fellows

## Visiting Scholars (Domestic)

**Period:** April 1, 2014 - March 31, 2015 *April 1, 2014 - July 31, 2014

<table>
<thead>
<tr>
<th>Name</th>
<th>Position at NAOJ</th>
<th>Affiliated Institute</th>
<th>Host Project/Center/Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onishi, Toshikazu</td>
<td>Visiting Professor</td>
<td>Osaka Prefecture University</td>
<td>NAOJ Chile Observatory</td>
</tr>
<tr>
<td>Sakamoto, Seiichi*</td>
<td>Visiting Professor</td>
<td>Japan Aerospace Exploration Agency</td>
<td>NAOJ Chile Observatory</td>
</tr>
<tr>
<td>Fujisawa, Kenta</td>
<td>Visiting Professor</td>
<td>Yamaguchi University</td>
<td>Mizusawa VLBI Observatory</td>
</tr>
<tr>
<td>Momose, Munetake</td>
<td>Visiting Professor</td>
<td>Ibaraki University</td>
<td>NAOJ Chile Observatory</td>
</tr>
<tr>
<td>Imai, Hiroshi</td>
<td>Visiting Associate Professor</td>
<td>Kagoshima University</td>
<td>Mizusawa VLBI Observatory</td>
</tr>
<tr>
<td>Iwata, Takahiro</td>
<td>Visiting Associate Professor</td>
<td>Japan Aerospace Exploration Agency</td>
<td>RISE Project</td>
</tr>
<tr>
<td>Oka, Tomoharu</td>
<td>Visiting Associate Professor</td>
<td>Keio University</td>
<td>NAOJ Chile Observatory</td>
</tr>
<tr>
<td>Kotake, Kei</td>
<td>Visiting Associate Professor</td>
<td>Fukuoka University</td>
<td>Center for Computational Astrophysics</td>
</tr>
<tr>
<td>Takahashi, Keitaro</td>
<td>Visiting Associate Professor</td>
<td>Kumamoto University</td>
<td>Division of Radio Astronomy</td>
</tr>
<tr>
<td>Hagino, Kouichi</td>
<td>Visiting Associate Professor</td>
<td>Tohoku University</td>
<td>Division of Theoretical Astronomy</td>
</tr>
<tr>
<td>Hirata, Naru</td>
<td>Visiting Associate Professor</td>
<td>The University of Aizu</td>
<td>RISE Project</td>
</tr>
<tr>
<td>Masuda, Satoshi</td>
<td>Visiting Associate Professor</td>
<td>Nagoya University</td>
<td>Nobeyama Solar Radio Observatory</td>
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<tr>
<td>Yonekura, Yoshinori</td>
<td>Visiting Associate Professor</td>
<td>Ibaraki University</td>
<td>Mizusawa VLBI Observatory</td>
</tr>
<tr>
<td>Asaki, Yoshiharu</td>
<td>Visiting Research Fellow</td>
<td>Japan Aerospace Exploration Agency</td>
<td>NAOJ Chile Observatory</td>
</tr>
<tr>
<td>Oshima, Akitoshi</td>
<td>Visiting Research Fellow</td>
<td>Chubu University</td>
<td>Center for Computational Astrophysics</td>
</tr>
<tr>
<td>Kurayama, Tomoharu</td>
<td>Visiting Research Fellow</td>
<td>Teikyo University of Science</td>
<td>Mizusawa VLBI Observatory</td>
</tr>
<tr>
<td>Naruse, Masato</td>
<td>Visiting Research Fellow</td>
<td>Saitama University</td>
<td>Advanced Technology Center</td>
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## JSPS (Japan Society for the Promotion of Science) Postdoctoral Research Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Research Subject</th>
<th>Host Researcher</th>
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<tbody>
<tr>
<td>Ishikawa, Shinnosuke</td>
<td>Study of solar flare particle acceleration with high-sensitivity and high-resolution X-ray imaging spectroscopic observations</td>
<td>Suematsu, Yoshinori</td>
</tr>
<tr>
<td>Niino, Yuu</td>
<td>Probing Cosmic Star Formation at High Redshifts via Afterglows and Host Galaxies Gamma-Ray Bursts</td>
<td>Kashikawa, Nobunari</td>
</tr>
<tr>
<td>Hada, Kazuhiro</td>
<td>Probing a relativistic jet in a supermassive black hole with high-resolution radio monitoring observations</td>
<td>Homma, Mareki</td>
</tr>
<tr>
<td>Ueda, Junko</td>
<td>Unveiling the evolution of merging galaxies from the formation of cold molecular gas disks</td>
<td>Iono, Daisuke</td>
</tr>
<tr>
<td>Sakai, Nobuyuki</td>
<td>Outer Rotation Curve of the Galaxy with VERA</td>
<td>Honma, Mareki</td>
</tr>
<tr>
<td>Nitta, Tomu</td>
<td>Development of a superconducting 1000 pixels camera for the antarctic submillimeter telescope</td>
<td>Sekimoto, Yutarou</td>
</tr>
<tr>
<td>Nomura, Mariko</td>
<td>Three Dimensional Radiation Hydrodynamic Calculations of Outflows from Accretion Disks and Studies of Absorption Lines in Active Galactic Nuclei</td>
<td>Osuga, Ken</td>
</tr>
<tr>
<td>Hayashi, Masao</td>
<td>Formation and evolution of elliptical galaxies revealed by internal structures of growing progenitors in galaxy clusters</td>
<td>Kodama, Tadayuki</td>
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## JSPS (Japan Society for the Promotion of Science) Foreign Research Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Program</th>
<th>Period</th>
<th>Host Researcher</th>
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<tbody>
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