

## VI Research Collaboration

### 1. Open Use

Type	Project/Center	Category	Number of Accepted Proposal	Total Number of Researcher	Note
Open Use at Project/Center	Okayama Astrophysical Observatory	188cm Reflector Telescope (Project Program)	2	36 (0)	2 Institutes
		188cm Reflector Telescope (Normal Program)	26	146 (5)	16 Institutes, 3 Countries
		188cm Reflector Telescope (Student Program)	2	18 (0)	3 Institutes
		188cm Reflector Telescope (Miscellaneous Program)	1	5 (0)	1Institutes
	Subaru Telescope		121	343 (58)	64 Institutes, 15 Countries
	Solar Observatory		*	*	*
	Nobeyama Radio Observatory	45-m Telescope (General Proposal)	21	204 (79)	64 Institutes, 14 Countries
		45-m Telescope (Short Program)	5	32 (3)	15 Institutes, 1Countries
		45-m Telescope (Back-up Program)	3	85 (62)	41Institutes, 13 Countries
	Mizusawa VLBI Observatory	VERA	22	116 (62)	28 Institutes, 10 Countries
	Astronomy Data Center		372	372 (53 at foreign institutes)	80 Institutes, 16 Countries
	Center for Computational Astrophysics		210	210	46 Institutes, 8 Countries
	Hinode Science Center		116	116 (33)	40 Institutes, 11Countries
	Advanced Technology Center	Facility Use	30	124	53 Institutes
		Joint Research and Development	8	43	18 Institutes
NAOJ Chile Observatory	ALMA (Cycle2)	353	3,523 (3,049)	324 Institutes, 35 Countries	
	ASTE	41	251 (38)	40 Institutes, 8 Countries	
	Mopra	19	144 (35)	24 Institutes, 7 Countries	
Joint Development Research		12		9 Institutes	
Joint Research		1		1 Institutes	
Research Assembly		20		16 Institutes	
NAOJ Symposium		0			

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 period of ALMA (Cycle2) is September, 2015 from June, 2014.

\* 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, 2015 – March 31, 2016

Name	Position at NAOJ	Affiliated Institute	Host Project/Center/Division
Uzawa, Yoshinori	Visiting Professor	NICT, Terahertz Technology Research Center	NAOJ Chile Observatory
Onishi, Toshikazu	Visiting Professor	Osaka Prefecture University	NAOJ Chile Observatory
Oka, Tomoharu	Visiting Professor	Keio University	NAOJ Chile Observatory
Tanihata, Isao	Visiting Professor	Osaka University	Division of Theoretical Astronomy
Nagao, Toru	Visiting Professor	Ehime University	TMT-J Project Office
Hayashi, Shousuke	Visiting Professor	Kobe University	Center for Computational Astrophysics
Momose, Munetake	Visiting Professor	Ibaraki University	NAOJ Chile Observatory
Kotake, Kei	Visiting Associate Professor	Fukuoka University	Division of Theoretical Astronomy
Kobayashi, Kaori	Visiting Associate Professor	Toyama University	NAOJ Chile Observatory
Komugi, Shinya	Visiting Associate Professor	Kogakuin University	NAOJ Chile Observatory
Sagawa, Hideo	Visiting Associate Professor	Kyoto Sangyo University	NAOJ Chile Observatory
Sorai, Kazuo	Visiting Associate Professor	Hokkaido University	Nobeyama Radio Observatory
Takahashi, Keitaro	Visiting Associate Professor	Kumamoto University	Division of Radio Astronomy
Niinuma, Koutaro	Visiting Associate Professor	Yamaguchi University	Mizusawa VLBI Observatory
Oshima, Akitoshi*	Visiting Associate Professor	Chubu University	Center for Computational Astrophysics
Asaki, Yoshiharu	Visiting Research Fellow	Japan Aerospace Exploration Agency	NAOJ Chile Observatory
Kurayama, Tomoharu	Visiting Research Fellow	Teikyo University of Science	Mizusawa VLBI Observatory

\* Visiting Research Fellow until July, 12, 2015.

### JSPS (Japan Society for the Promotion of Science) Postdoctoral Research Fellows

Name	Research Subject	Host Researcher
Hada, Kazuhiro	Probing a relativistic jet in a supermassive black hole with high-resolution radio monitoring observations	Honma, Mareki
Niinou, Yuu	Probing Cosmic Star Formation at High Redshifts via Afterglows and Host Galaxies Gamma-Ray Bursts	Kashikawa, Nobunari
Hayashi, Masao	Formation and evolution of elliptical galaxies revealed by internal structures of growing progenitors in galaxy clusters	Kodama, Tadayuki
Arimatsu, Kou	Exploring the outer solar system by stellar occultations observed with wide-field high-speed cameras	Watanabe, Junichi
Uchiyama, Mizuho	Studying stellar evolution of forming massive young stellar objects with the mid-infrared variability observations	Yamashita, Takuya
Shouda, Ayaka	Development of the multi-messenger observation system for a gravitational-wave detector	Flaminio, Raffaele
Shirasaki, Masato	Probing Cosmic Dark Matter and Dark Energy with Higher-Order Statistics of Weak Gravitational Lensing	Hamana, Takashi
Shinnaka, Yoshiharu	Physicochemistry of the early solar nebula: Thermal history of cometary dust and isotopic fractionation of cometary volatile	Watanabe, Junichi
Yamauchi, Aya	Research in the structure of a distant region of our galaxy using a new distance measurement method with VERA	Honma, Mareki

### JSPS (Japan Society for the Promotion of Science) Foreign Research Fellows

Name	Program	Period	Host Researcher
None			