

## Major Facilities

Facility	Sort Column	Acronym	Location	Stage	Recipient	DIR/DIV	Program Officer(s)	Phone	Email
<a href="#">United States Antarctic Program</a>	ANT	USAP	Antarctica	Operations	Leidos	GEO/OPP	Stephanie Short	(703) 292-2155	<a href="mailto:sashort@nsf.gov">sashort@nsf.gov</a>
<a href="#">-- Antarctic Infrastructure Modernization for Science</a>	ANT-AIMS	ANT-AIMS	Antarctica	Construction	Leidos	GEO/OPP	Ben Roth	(703) 292-7857	<a href="mailto:broth@nsf.gov">broth@nsf.gov</a>
<a href="#">-- Antarctic Research Vessel</a>	ANT-AIMS	ANT-ARV	Antarctica	Design	Leidos	GEO/OPP	Tim McGovern Mike Prince	(703) 292-4248 (703) 292-4764	<a href="mailto:tmcgovern@nsf.gov">tmcgovern@nsf.gov</a> <a href="mailto:jprince@nsf.gov">jprince@nsf.gov</a>
<a href="#">Academic Research Fleet</a>	U.S. ARF	ARF	Distributed	Operations	Various (+/- 15 awards for +/- 18 research vessels (projects))	GEO/OCE	Rose Dufour	(703) 292-8811	<a href="mailto:rdufour@nsf.gov">rdufour@nsf.gov</a>
<a href="#">-- University National Oceanographic Laboratory System Office</a>		UNOLS	Seattle, WA	Operations	University of Washington	GEO/OCE	Kandace Binkley	(703) 292-7577	<a href="mailto:kbinkley@nsf.gov">kbinkley@nsf.gov</a>
<a href="#">-- Regional Class Research Vessel</a>	ARF-RCRV	RCRV	Mobile	Construction	Oregon State University	GEO/OCE	Brian P. Midson	(703) 292-8145	<a href="mailto:bmidsn@nsf.gov">bmidsn@nsf.gov</a>
<a href="#">Green Bank Observatory (FFRDC)</a>	GBO	GBO	West Virginia	Operations	Associated Universities Incorporated	MPS/AST	Harshal Gupta	(703) 292-5039	<a href="mailto:hgupta@nsf.gov">hgupta@nsf.gov</a>
<a href="#">IceCube Neutrino Observatory</a>	Ice Cube	ICNO	Antarctica	Operations	University of Wisconsin	GEO/PLR MPS/PHY	Vladimir O. Papitashvili; William Wester	(703) 292-7425; (703) 292-4677	<a href="mailto:vpapita@nsf.gov">vpapita@nsf.gov</a> ; <a href="mailto:wwester@nsf.gov">wwester@nsf.gov</a>
<a href="#">-- IceCube Upgrade, Phase 1</a>		ICNO	Antarctica	Implementation	University of Wisconsin	MPS/PHY GEO/PLR	William Wester; Vladimir O. Papitashvili	(703) 292-4677; (703) 292-7425	<a href="mailto:vpapita@nsf.gov">vpapita@nsf.gov</a> ; <a href="mailto:wwester@nsf.gov">wwester@nsf.gov</a>
<a href="#">International Ocean Discovery Program (JOIDES Resolution)</a>	JOIDES	IODP	Texas & Mobile	Operations	Texas A&M Research Foundation	GEO/OCE	Kevin Johnson	(703) 292-7442	<a href="mailto:ktjohnso@nsf.gov">ktjohnso@nsf.gov</a>
<a href="#">-- International Ocean Discovery Program (Science Support Office)</a>	JOIDES	IODP	California	Operations	University of California-San Diego, Scripps Institution of Oceanography	GEO/OCE	Kevin Johnson	(703) 292-7442	<a href="mailto:ktjohnso@nsf.gov">ktjohnso@nsf.gov</a>
<a href="#">Leadership-Class Computing Facility</a>	LCCF	LCCF	Texas	Design	University of Texas, Austin	CISE/OAC	Ed Walker	(703) 292-4863	<a href="mailto:edwalker@nsf.gov">edwalker@nsf.gov</a>
<a href="#">Large Hadron Collider</a>	LHC	LHC	Switzerland	Operations / Construction		MPS/PHY	James Shank	(703) 292-4516	<a href="mailto:jshank@nsf.gov">jshank@nsf.gov</a>
<a href="#">-- A Toroidal LHC Apparatus (ATLAS) Detector Operations</a>	LHC-ATLAS	ATLAS	Switzerland	Operations	SUNY - StonyBrook	MPS/PHY	James Shank	(703) 292-4516	<a href="mailto:jshank@nsf.gov">jshank@nsf.gov</a>
<a href="#">ATLAS Phase 1 Upgrade</a>				Implementation					
<a href="#">-- A Toroidal LHC Apparatus (ATLAS) Detector High Luminosity Upgrade</a>	LHC-ATLAS	ATLAS	Switzerland	Construction	Columbia University	MPS/PHY	James Shank	(703) 292-4516	<a href="mailto:jshank@nsf.gov">jshank@nsf.gov</a>
<a href="#">-- Compact Muon Solenoid (CMS) Detector Operations</a>	LHC-CMS	CMS	Switzerland	Operations	University of Nebraska-Lincoln	MPS/PHY	James Shank	(703) 292-4516	<a href="mailto:jshank@nsf.gov">jshank@nsf.gov</a>
<a href="#">CMS Phase 1 Upgrade</a>				Implementation					
<a href="#">-- Compact Muon Solenoid (CMS) Detector High Luminosity Upgrade</a>	LHC-CMS	CMS	Switzerland	Construction	Cornell University	MPS/PHY	James Shank	(703) 292-4516	<a href="mailto:jshank@nsf.gov">jshank@nsf.gov</a>
<a href="#">Laser Interferometer Gravitational-wave Observatory</a>	LIGO	LIGO	Louisiana & Washington	Operations	California Institute of Technology	MPS/PHY	Pedro Marronetti	(703) 292-7372	<a href="mailto:pmarrone@nsf.gov">pmarrone@nsf.gov</a>
<a href="#">-- LIGO A+ Project</a>	LIGO	LIGO	Louisiana & Washington	Implementation	California Institute of Technology	MPS/PHY	Pedro Marronetti	(703) 292-7372	<a href="mailto:pmarrone@nsf.gov">pmarrone@nsf.gov</a>
<a href="#">National Center for Atmospheric Research (FFRDC)</a>	NCAR	NCAR	Colorado, Wyoming, Hawaii	Operations	University Corporation for Atmospheric Research	GEO/AGS	Bernard Grant	(703) 292-8521	<a href="mailto:bgrant@nsf.gov">bgrant@nsf.gov</a>
<a href="#">National Ecological Observatory Network</a>	NEON	NEON	Distributed	Operations	Battelle Memorial Institute	BIO/DBI	Charlotte Roehm	(703) 292-4218	<a href="mailto:croehm@nsf.gov">croehm@nsf.gov</a>
<a href="#">Geodetic Facility for the Advancement of Geoscience</a>	NGEO-GAGE	GAGE	Distributed	Operations	EarthScope Consortium Inc	GEO/EAR	Margaret Benoit	(703) 292-7233	<a href="mailto:mbenoit@nsf.gov">mbenoit@nsf.gov</a>
<a href="#">Seismological Facility for the Advancement of Geoscience</a>	NGEO-SAGE	SAGE	Distributed	Operations	EarthScope Consortium Inc	GEO/EAR	Margaret Benoit	(703) 292-7233	<a href="mailto:mbenoit@nsf.gov">mbenoit@nsf.gov</a>
<a href="#">National High Magnetic Field Laboratory</a>	NHMFL	NHMFL	Florida & New Mexico	Operations	Florida State University	MPS/DMR	Leonard Spinu	(703) 292-2665	<a href="mailto:lspinu@nsf.gov">lspinu@nsf.gov</a>
<a href="#">NSF's National Optical-Infrared Astronomy Research Laboratory, FFRDC (formerly NOAO)</a>	NOAO	NOIRLab	Arizona & Chile	Operations	Association of Universities for Research in Astronomy	MPS/AST	Christopher Davis	(703) 292-4910	<a href="mailto:chrdavis@nsf.gov">chrdavis@nsf.gov</a>
<a href="#">-- Gemini Observatory</a>	GEMINI	Gemini (NOIRLab)	Chile & Hawaii	Operations	Association of Universities for Research in Astronomy	MPS/AST	Martin Still	(703) 292-4290	<a href="mailto:mstill@nsf.gov">mstill@nsf.gov</a>
<a href="#">-- Vera C. Rubin Observatory</a>		Rubin (NOIRLab)	Chile	Pre-Operations	Association of Universities for Research in Astronomy	MPS/AST	Edward Ajhar	(703) 292-7456	<a href="mailto:eajhar@nsf.gov">eajhar@nsf.gov</a>
<a href="#">Vera C. Rubin Observatory (formerly Large Synoptic Survey Telescope)</a>	LSST	Rubin	Chile	Construction	Association of Universities for Research in Astronomy	MPS/AST	Edward Ajhar	(703) 292-7456	<a href="mailto:eajhar@nsf.gov">eajhar@nsf.gov</a>
<a href="#">National Radio Astronomy Observatory (FFRDC)</a>	NRAO	NRAO	Distributed	Operations	Associated Universities Incorporated	MPS/AST	Joe Pesce	(703) 292-7373	<a href="mailto:jpesce@nsf.gov">jpesce@nsf.gov</a>
<a href="#">-- Atacama Large Millimeter/Submillimeter Array</a>	NRAO-ALMA	ALMA	Chile	Operations	Associated Universities Incorporated	MPS/AST	Joe Pesce	(703) 292-7373	<a href="mailto:jpesce@nsf.gov">jpesce@nsf.gov</a>
<a href="#">-- Very Large Array</a>	NRAO-VLA	VLA	New Mexico	Operations	Associated Universities Incorporated	MPS/AST	Joe Pesce	(703) 292-7373	<a href="mailto:jpesce@nsf.gov">jpesce@nsf.gov</a>
<a href="#">-- Very Long Baseline Array</a>	LBO	VLBA	Distributed	Operations	Associated Universities Incorporated	MPS/AST	Joe Pesce	(703) 292-7373	<a href="mailto:jpesce@nsf.gov">jpesce@nsf.gov</a>
<a href="#">National Solar Observatory (FFRDC)</a>	NSO	NSO	New Mexico & Arizona	Operations	Association of Universities for Research in Astronomy	MPS/AST	Carrie Black Allison Peck	(703) 292-2426 (703) 292-2522	<a href="mailto:cblack@nsf.gov">cblack@nsf.gov</a> ; <a href="mailto:apecck@nsf.gov">apecck@nsf.gov</a>
<a href="#">-- Daniel K. Inouye Solar Telescope</a>	DKIST	DKIST	Hawaii	Operations	Association of Universities for Research in Astronomy	MPS/AST	Carrie Black	(703) 292-2426	<a href="mailto:cblack@nsf.gov">cblack@nsf.gov</a>
<a href="#">Ocean Observatories Initiative</a>	OOI	OOI	Distributed	Operations	Woods Hole Oceanographic Institution	GEO/OCE	George Voulgaris	(703) 292-7399	<a href="mailto:gvoulgar@nsf.gov">gvoulgar@nsf.gov</a>

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