

	Facility	Acronym	Location	Stage	Recipient	DIR/DIV	Program Officer(s)	Phone	Email
1	United States Antarctic Program	USAP	Antarctica	Operations	Leidos	GEO/OPP	Stephanie Short	(703) 292-2155	sashort@nsf.gov
	-- Antarctic Infrastructure Modernization for Science	ANT-AIMS	Antarctica	Construction	Leidos	GEO/OPP	Ben Roth	(703) 292-7857	broth@nsf.gov
	-- Antarctic Research Vessel	ANT-ARV	Antarctica	Design	Leidos	GEO/OPP	Tim McGovern Mike Prince	(703) 292-4248 (703) 292-4764	tmcgover@nsf.gov jprince@nsf.gov
2	Arecibo Observatory	AO	Puerto Rico	Operations	University of Central Florida	MPS/AST GEO/AGS	Sarah Higdon Ashley Vanderley Roman Makarevich	(703) 292-2541 (703) 292-2428 (703) 292-7207	shigdon@nsf.gov bevander@nsf.gov rmakarev@nsf.gov
3	Academic Research Fleet	ARF	Distributed	Operations	Various (+/- 15 awards for +/- 18 research vessels (projects))	GEO/OCE	Rose Dufour	(703) 292-8811	rdufour@nsf.gov
	-- University National Oceanographic Laboratory System Office	UNOLS	Seattle, WA	Operations	University of Washington	GEO/OCE	Kandace Binkley	(703) 292-7577	kbinkley@nsf.gov
	-- Regional Class Research Vessel	RCRV	Mobile	Construction	Oregon State University	GEO/OCE	Brian P. Midson	(703) 292-8145	bmidson@nsf.gov
4	Green Bank Observatory (FFRDC)	GBO	West Virginia	Operations	Associated Universities Incorporated	MPS/AST	Harshal Gupta	(703) 292-5039	hgupta@nsf.gov
5	IceCube Neutrino Observatory	ICNO	Antarctica	Operations	University of Wisconsin	GEO/PLR MPS/PHY	Vladimir O. Papitashvili; William Wester	(703) 292-7425; (703) 292-4677	vpapita@nsf.gov ; wwester@nsf.gov
	-- IceCube Upgrade, Phase 1	ICNO	Antarctica	Implementation	University of Wisconsin	MPS/PHY GEO/PLR	William Wester; Vladimir O. Papitashvili	(703) 292-4677; (703) 292-7425	vpapita@nsf.gov ; wwester@nsf.gov
6	International Ocean Discovery Program (JOIDES Resolution)	IODP	Texas & Mobile	Operations	Texas A&M Research Foundation	GEO/OCE	Kevin Johnson James F. Allan	(703) 292-7442 (703) 292-8144	ktjohnso@nsf.gov jallan@nsf.gov
	-- International Ocean Discovery Program (Science Support Office)	IODP	California	Operations	University of California-San Diego, Scripps Institution of Oceanography	GEO/OCE	Kevin Johnson James F. Allan	comppa	ktjohnso@nsf.gov jallan@nsf.gov
7	Leadership-Class Computing Facility	LCCF	Texas	Design	University of Texas, Austin	CISE/OAC	Ed Walker	(703) 292-4863	edwalker@nsf.gov
	Large Hadron Collider	LHC	Switzerland	Operations / Construction		MPS/PHY	James Shank	(703) 292-4516	jshank@nsf.gov
	-- A Toroidal LHC Apparatus (ATLAS) Detector Operations	ATLAS	Switzerland	Operations	SUNY - StonyBrook	MPS/PHY	James Shank	(703) 292-4516	jshank@nsf.gov

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8	ATLAS Phase 1 Upgrade			Implementation					
	-- A Toroidal LHC Apparatus (ATLAS) Detector High Luminosity Upgrade	ATLAS	Switzerland	Construction	Columbia University	MPS/PHY	James Shank	(703) 292-4516	jshank@nsf.gov
	-- Compact Muon Solenoid (CMS) Detector Operations	CMS	Switzerland	Operations	University of Nebraska-Lincoln	MPS/PHY	James Shank	(703) 292-4516	jshank@nsf.gov
	CMS Phase 1 Upgrade			Implementation					
	-- Compact Muon Solenoid (CMS) Detector High Luminosity Upgrade	CMS	Switzerland	Construction	Cornell University	MPS/PHY	James Shank	(703) 292-4516	jshank@nsf.gov
9	Laser Interferometer Gravitational-wave Observatory	LIGO	Louisiana & Washington	Operations	California Institute of Technology	MPS/PHY	Pedro Maronetti	(703) 292-7372	pmarrone@nsf.gov
	-- LIGO A+ Project	LIGO	Louisiana & Washington	Implementation	California Institute of Technology	MPS/PHY	Pedro Maronetti	(703) 292-7372	pmarrone@nsf.gov
10	National Center for Atmospheric Research (FFRDC)	NCAR	Colorado, Wyoming, and Hawaii	Operations	University Corporation for Atmospheric Research	GEO/AGS	Bernard Grant	(703) 292-8521	bgrant@nsf.gov
11	National Ecological Observatory Network	NEON	Distributed	Operations	Battelle Memorial Institute	BIO/DBI	Charlotte Roehm	(703) 292-4218	croehm@nsf.gov
12	Geodetic Facility for the Advancement of Geoscience	GAGE	Distributed	Operations	EarthScope Consortium Inc	GEO/EAR	Margaret Benoit	(703) 292-7233	mbenoit@nsf.gov
13	Seismological Facility for the Advancement of GEoscience	SAGE	Distributed	Operations	EarthScope Consortium Inc	GEO/EAR	Margaret Benoit	(703) 292-7233	mbenoit@nsf.gov
14	National High Magnetic Field Laboratory	NHMFL	Florida & New Mexico	Operations	Florida State University	MPS/DMR	Leonard Spinu	(703) 292-2665	lspinu@nsf.gov
15	NSF's National Optical-Infrared Astronomy Research Laboratory, FFRDC (formerly NOAO)	NOIRLab	Arizona & Chile	Operations	Association of Universities for Research in Astronomy	MPS/AST	Christopher Davis	(703) 292-4910	chrdavis@nsf.gov
	-- Gemini Observatory	Gemini (NOIRLab)	Chile & Hawaii	Operations	Association of Universities for Research in Astronomy	MPS/AST	Martin Still	(703) 292-4290	mstill@nsf.gov

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16	-- Vera C. Rubin Observatory	Rubin (NOIRLab)	Chile	Pre-Operations	Association of Universities for Research in Astronomy	MPS/AST	Edward Ajhar	(703) 292-7456	ejahar@nsf.gov
	Vera C. Rubin Observatory (formerly Large Synoptic Survey Telescope)	Rubin	Chile	Construction	Association of Universities for Research in Astronomy	MPS/AST	Edward Ajhar	(703) 292-7456	ejahar@nsf.gov
16	National Radio Astronomy Observatory (FFRDC)	NRAO	Distributed	Operations	Associated Universities Incorporated	MPS/AST	Joe Pesce	(703) 292-7373	jpesce@nsf.gov
	-- Atacama Large Millimeter/Submillimeter Array	ALMA	Chile	Operations	Associated Universities Incorporated	MPS/AST	Joe Pesce	(703) 292-7373	jpesce@nsf.gov
	-- Very Large Array	VLA	New Mexico	Operations	Associated Universities Incorporated	MPS/AST	Joe Pesce	(703) 292-7373	jpesce@nsf.gov
	-- Very Long Baseline Array	VLBA	Distributed	Operations	Associated Universities Incorporated	MPS/AST	Joe Pesce	(703) 292-7373	jpesce@nsf.gov
17	National Solar Observatory (FFRDC)	NSO	New Mexico & Arizona	Operations	Association of Universities for Research in Astronomy	MPS/AST	Carrie Black Allison Peck	(703) 292-2426 (703) 292-2522	cblack@nsf.gov apeck@nsf.gov
	-- Daniel K. Inouye Solar Telescope	DKIST	Hawaii	Operations	Association of Universities for Research in Astronomy	MPS/AST	Carrie Black	(703) 292-2426	cblack@nsf.gov apeck@nsf.gov
18	Ocean Observatories Initiative	OOI	Distributed	Operations	Woods Hole Oceanographic Institution	GEO/OCE	George Voulgaris	(703) 292-7399	gvoougar@nsf.gov

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