

Grant Award Files, 2016-2022

Finding aid prepared by Smithsonian Institution Archives

Table of Contents

Collection Overview	
Administrative Information	1
Descriptive Entry	1
Names and Subjects	
Container Listing	

Collection Overview

Repository: Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu

Title: Grant Award Files

Date: 2016-2022

Identifier: Accession 22-127

Creator:: Smithsonian Astrophysical Observatory. Sponsored Programs and

Procurement Department

Extent: 6 cu. ft. (6 record storage boxes)

Language: English

Administrative Information

Preferred Citation

Smithsonian Institution Archives, Accession 22-127, Smithsonian Astrophysical Observatory. Sponsored Programs and Procurement Department, Grant Award Files

Use Restriction

Restricted for 15 years, until Jan-01-2038; Transferring office; 12/12/2013 memorandum, Wright to Pulnik; Contact reference staff for details.

Descriptive Entry

This accession consists of records documenting the awarding of funding by the Smithsonian Astrophysical Observatory (SAO). These records relate to the Chandra X-ray Center and were maintained by the Subawards/Grant Awards Section. Materials include correspondence, proposals, amendments, reports, reviews, revisions, agreements, checklists, financial information, and related materials.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

Astronomy Astrophysics Observatories Research grants

Types of Materials:

Manuscripts

Names:

Chandra X-ray Center (U.S.) Smithsonian Astrophysical Observatory. Sponsored Programs and Procurement Department. Subawards/Grant Awards Section

Container Listing

	Box 1
	BOX 1
Box 1 of 6	GO7-18001X - IRAS (Infrared Astronomical Satellite) 09002-4732: Star Formation in a Molecular Cloud Filament, 3/6/2017-3/5/2019
Box 1 of 6	GO7-18002A - X-rays from Young Low-Mass Stars: Inhospitable Habitable Zones?, 3/9/2017-3/8/2020
Box 1 of 6	GO7-18002B - X-rays from Young Low-Mass Stars: Inhospitable Habitable Zones?, 3/9/2017-3/8/2018
Box 1 of 6	GO7-18002C - X-rays from Young Low-Mass Stars: Inhospitable Habitable Zones?, 3/9/2017-3/8/2021
Box 1 of 6	GO7-18003B - X-raying the Bones of the Milky Way, 6/1/2017-5/31/2020
Box 1 of 6	GO7-18004X - What are the Dust Properties Around Young Stars?, Cancelled
Box 1 of 6	GO7-18005X - Cracking the Conundrum of F Supergiant Coronae, 3/24/2017-3/23/2019
Box 1 of 6	GO7-18006X - The HL Tau Jet and X-ray Irradiated Protoplanetary Disk, 1/8/2018-7/7/2020
Box 1 of 6	GO7-18007X - An X-ray Census of the Young Stellar Population in a Massive Forming Cluster, 10/5/2017-10/4/2019
Box 1 of 6	GO7-18008X - Direct Detection of Accreting White Dwarf Pollutants, 2/19/2017-2/18/2018
Box 1 of 6	GO7-18009A - An X-ray Census of YSOs (Young Stellar Objects) in Infrared Dark Clouds. II. Star Cluster Formation from a Massive Filament [Transfer from University of Florida], 08/29/2017-06/19/2019
Box 1 of 6	GO7-18009X - An X-ray Census of YSOs in Infrared Dark Clouds. II. Star Cluster Formation from a Massive Filament, 6/20/2017-6/19/2019
Box 1 of 6	GO7-18010X - Catching an FUor in the Act: Chandra ToO (Target of Opportunity) Observations of Extreme Accretion onto Young Stars, Cancelled
Box 1 of 6	GO7-18012A - Definitive X-Ray Detection of the Class 0 Protostar HOPS 383, 12/14/2017-12/13/2019
Box 1 of 6	GO7-18013X - Cepheids: The First Rung on the Cosmic Distance Ladder: Part II: Polaris, 7/10/2017-7/9/2020

Box 1 of 6	GO7-18014X - Using the Sharp Chandra's Eyes to Find a Neutron Star Lurking in the Wind of WR124, 7/11/2017-7/10/2019
Box 1 of 6	GO7-18015X - What is the Hottest Cool Star?, 2/6/2017-2/5/2021
Box 1 of 6	GO7-18018X - Radial Density Profile and Onset of Clumping in the Stellar Wind of a O6la Star, 7/3/2017-7/2/2019
Box 1 of 6	GO7-18018A - Radial Density Profile and Onset of Clumping in the Stellar Wind of a O6la Star, 12/17/2017-3/2/2020
Box 1 of 6	GO7-18019X - An X-ray Luminous Nova, 11/18/2016-1/11/2018
Box 1 of 6	GO7-18020X - The Faint CVs (cataclysmic variables) and MSPs (millisecond pulsars) of the Globular Cluster NGC 6752, 7/3/2017-7/2/2020
Box 1 of 6	GO7-18022X - EUV (Extreme Ultraviolet) Emission from Accreting White Dwarfs in Outburst: A Pathfinder for the Great Observatories Accretion Legacy Survey, 1/1/2017-12/31/2019
	Box 2
Box 2 of 6	GO7-18023X - Understanding Dust Production in Supergiant X-ray Binaries, 12/21/2016-1/11/2020
Box 2 of 6	GO7-18024X - Tracking the Evolution of an X-ray Counterpart to a Gravitational Wave Event, 8/22/2017-8/21/2019
Box 2 of 6	GO7-18025X - Precise Localization of Transient Low-Mass X-ray Binaries, 5/9/2017-5/8/2019
Box 2 of 6	GO7-18026X - Narrow Lines from a Slowly Rotating Neutron Star, Cancelled
Box 2 of 6	GO7-18027X - Investigating New Integral Sources with Chandra, Cancelled
Box 2 of 6	GO7-18028X - Obtaining an Accurate Position for a New Radio-bright ULX (Ultraluminous X-rays) in M31, Cancelled
Box 2 of 6	GO7-18029X - The Baryon Connection: X-ray States and Heavy Jets in 4U 1630-47?, Cancelled
Box 2 of 6	GO7-18030X - The Nature of INTEGRAL (International Gamma Ray Astrophysics Laboratory) Sources in the Galactic Plane, 1/1/2017-1/30/2020
Box 2 of 6	GO7-18031A - New Progress in Understanding the Crusts of Neutron Stars, 1/1/2017-12/31/2020

Box 2 of 6	GO7-18031B - New Progress in Understanding the Crusts of Neutron Stars, 1/1/2017-9/30/2017
Box 2 of 6	GO7-18032A - Identifying the Nature of a Peculiar Globular Cluster X-ray Binary, 5/23/2017-5/22/2020
Box 2 of 6	GO7-18032B - Identifying the Nature of a Peculiar Globular Cluster X-ray Binary, 5/23/2017-5/22/2019
Box 2 of 6	GO7-18033X - Bringing Gravitational Wave Astronomy to Light: Chandra X-ray Localization of LIGO (Laser Interferometer Gravitational-wave Observatory)-Virgo GW (gravitational wave) Sources, 9/2/2017-9/1/2018
Box 2 of 6	GO7-18034A - Crust Cooling of Accretion-heated Neutron Stars [Transfer from Massachusetts Institute of Technology], 11/23/2017-4/25/2019
Box 2 of 6	GO7-18034X - Crust Cooling of Accretion-heated Neutron Stars, 4/26/2017-4/25/2019
Box 2 of 6	GO7-18035X - The Puzzling Nature of the Young Microquasar CIR X-1, 5/30/2017-6/18/2020
Box 2 of 6	GO7-18036X - Resolving the Compact Bow-shock Nebula from the Redback Millisecond Pulsar PSR J2129-0429, 9/21/2017-9/20/2019
Box 2 of 6	GO7-18037X - Globular Cluster Neutron Stars and the Determination of the Dense Matter Equation of State, 9/5/2017-9/4/2020
Box 2 of 6	GO7-18038X - The Size, Speed, and Opening Angle of a Quiescent Black Hole Jet, 8/13/2017-8/12/2019
Box 2 of 6	GO7-18039X - Probing Radiatively Inefficient Accretion Flow in the Neutron Star X-ray Binary System Aquila X-1, Cancelled
Box 2 of 6	GO7-18040X - Dust Scattering Halo of the Peculiar Black Hole Binary 4U 1630-47, 2/6/2017-2/5/2019
Box 2 of 6	GO7-18041X - X-Ray Jets in Microquasars, Cancelled
Box 2 of 6	GO7-18043X - X-Raying new Galactic Accelerators with Chandra, 3/1/2017-2/28/2018
Box 2 of 6	GO7-18044X - Search for the Most Energetic Radio-quiet Pulsar, 10/19/2017-10/18/2018
	Box 3

Box 3 of 6	GO7-18045X - Chandra Observations of Extreme Mass Loss from the Progenitors of Luminous Type IIn SNe, 12/19/2016-1/11/2019
Box 3 of 6	GO7-18046A - Source of Energy and Pre-explosion Progenitor Evolution of Super-luminous Supernovae, 6/27/2017-6/26/2019
Box 3 of 6	GO7-18046B - Source of Energy and Pre-explosion Progenitor Evolution of Super-luminous Supernovae, 6/27/2017-6/26/2019
Box 3 of 6	GO7-18047X - A Redback Millisecond Pulsar with Variable Heating, 3/15/2017-3/14/2020
Box 3 of 6	GO7-18048X - Chandra Observations of New X-ray Supernovae, 6/12/2017-6/11/2018
Box 3 of 6	GO7-18049X - Prompt Study of Magnetar Outbursts with Chandra and NuSTAR, 5/25/2017-11/24/2018
Box 3 of 6	GO7-18051X - Characterizing the Least Studied Galactic Synchrotron-dominated Supernova Remnant: G330.2+1.0, 5/4/2017-5/3/2019
Box 3 of 6	GO7-18052X - Continued Study of the Remarkable X-ray Evolution of SN 2010jl, 1/4/2018-1/3/2020
Box 3 of 6	GO7-18053X - Target of Opportunity Chandra Observations of Magnetars in Outburst, 5/9/2017-5/8/2019
Box 3 of 6	GO7-18054A - Mapping Extreme Mass Loss from Evolved Massive Stars with Coordinated Chandra-NuSTAR Observations, 11/24/2017-11/23/2020
Box 3 of 6	GO7-18054B - Mapping Extreme Mass Loss from Evolved Massive Stars with Coordinated Chandra-NuSTAR Observations, 11/24/2017-11/23/2019
Box 3 of 6	GO7-18055X - PSR J2032+4127: A Be/Gamma-ray Pulsar Binary Heading Toward Periastron, 2/2/2017-2/1/2019
Box 3 of 6	GO7-18056X - Mysterious Ejecta from a High-mass Gamma-ray Binary, 1/9/2017-1/8/2019
Box 3 of 6	GO7-18057X - Late-time X-rays to Map the Zoo of Engine-driven Stellar Explosions, 8/8/2017-8/7/2020
Box 3 of 6	GO7-18058X - Understanding the X-ray Emission from Type IIn Supernovae, Cancelled
Box 3 of 6	GO7-18059A - Coordinated X-ray and Radio Observations of the Repeating Fast Radio Burst FRB 121102, 11/27/2016-1/10/2020

Box 3 of 6	GO7-18059B - Coordinated X-ray and Radio Observations of the Repeating Fast Radio Burst FRB 121102, 11/27/2016-1/10/2018
Box 3 of 6	GO7-18060A - Chandra Cycle 18 Spatial and Spectral Monitoring of SN 1987A, 3/22/2019-3/21/2021
Box 3 of 6	GO7-18060X - Chandra Cycle 18 Spatial and Spectral Monitoring of SN 1987A, 3/16/2017-3/15/2020
Box 3 of 6	GO7-18062A - Identify the Signature of Neutron Star Mergers Through Rapid Chandra/Hubble Observations of a Short GRB (gamma ray bursts), 8/28/2017-8/27/2020
Box 3 of 6	GO7-18063X - Sensitive Long-Term Timing of CCO (central compact objects) Pulsars, 8/15/2017-8/14/2020
Box 3 of 6	GO7-18064A - Identification of the Host Galaxy of Swift Short GRBs by the Chandra Sub-arcsecond Position, Cancelled
Box 3 of 6	GO7-18066X - Chandra Follows SN 19861 into its 4th Decade, 1/1/2017-12/31/2019
Box 3 of 6	GO7-18067X - SN 2005IP Awakens: Elucidating a 10,000 Year Old Mass Eruption with X-ray Observations, 1/5/2018-1/4/2021
Box 3 of 6	GO7-18068X - RCW 89: The Key to a Puzzling Young Supernova Remnant, 1/8/2018-1/7/2021
	Box 4
Box 4 of 6	GO7-18069X - The Astrophysics of the Most Energetic Gamma-Ray Bursts, Cancelled
Box 4 of 6	GO7-18070X - Birth of a Pulsar Wind Nebula in SN 1970G, 11/19/2017-11/18/2019
Box 4 of 6	GO7-18071A - Search for the Outer Boundary of the Starburst Galaxy: M82 Transfer from Minnesota State University, Mankato, 10/1/2019-9/30/2021
Box 4 of 6	GO7-18071X - Search for the Outer Boundary of the Starburst Galaxy: M82, 2/19/2018-2/18/2020
Box 4 of 6	GO7-18072X - Gaseous Galaxy Halos in the Transition Between Hot and Cold Mode Accretion, 10/4/2017-10/3/2020
Box 4 of 6	GO7-18073X - Non-thermal X-ray Emission from a 'Fermi bubble' in an External Galaxy, 2/1/2018-1/31/2020

Box 4 of 6	GO7-18074X - A Homogeneous View of X-ray Halos in Massive Early-type Galaxies, 11/22/2016-1/10/2020
Box 4 of 6	GO7-18075X - How Do the Most Massive BHs (black holes) Grow?, 1/1/2017-12/31/2018
Box 4 of 6	GO7-18076X - Searching for Accreting Black Holes in Lyman Continuum Emitters, 1/1/2017-12/31/2019
Box 4 of 6	GO7-18077X - A Statistically Robust Constraint on the Evolution of Field LMXBs (low mass x-ray binary), 2/21/2017-2/20/2021
Box 4 of 6	GO7-18078X - A Close-up Look at a z = 10 Galaxy Analog: A Deep Chandra Exposure of DD068, 1/15/2018-1/14/2021
Box 4 of 6	GO7-18079X - Missing Baryons and the Warm-hot Circumgalactic Medium of an Edge-on Spiral Galaxy, 3/13/2017-9/12/2018
Box 4 of 6	GO7-18080X - A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample, 1/19/2017-1/18/2022
Box 4 of 6	GO7-18081A - Spiral Galaxies of the Virgo Cluster, 12/7/2016-1/11/2020
Box 4 of 6	GO7-18081B - Spiral Galaxies of the Virgo Cluster, 12/7/2016-1/11/2020
Box 4 of 6	GO7-18084X - Testing the Merger Paradigm: X-ray Observations of Radio-Selected Sub-Galactic-Scale Binary AGNs (active galactic nuclei), 1/1/2017-6/30/2019
Box 4 of 6	GO7-18085X - Completing a Missing Chapter in Hard X-ray of the M87 AGN, 2/16/2017-2/15/2019
Box 4 of 6	GO7-18086X - Searching for Intermediate-mass Black Holes in Extremelymetal Poor Galaxies, 1/1/2017-1/13/2020
Box 4 of 6	GO7-18087X - Confirming the Low-Mass, Sub-kpc Dual AGN Candidate in SDSS J0914+085, 1/14/2018-1/13/2020
Box 4 of 6	GO7-18088X - Chandra and Swift ToO Observations to Constrain the Spins of Supermassive Black Holes in Tidal Disruption Flares, Cancelled
Box 4 of 6	GO7-18089X - Chandra Observations of a Unique X-ray WHIM (warm-hot intergalactic medium) Absorber Towards PG 1116+215, 2/2/2018-2/1/2020
Box 4 of 6	GO7-18090X - Changing-look Quasars: Radical Changes in Accretion Rate?, 5/9/2017-05/8/2019

Box 4 of 6	GO7-18091X - The Impact of the Starburst and AGN Activity in the LIRG (Luminous Infrared Galaxy): MCG -03-58-007, 1/1/2017-6/1/2020
Box 4 of 6	GO7-18092X - Chandra Spectroscopy of a Bright Tidal Disruption Event, Cancelled
Box 4 of 6	GO7-18093X - Understanding the Role of AGN in Transitioning Galaxi, 1/1/2017-12/31/2019
	Box 5
Box 5 of 6	GO7-18095X - Constraining the Nature of an Intermediate Mass Black Hole in the Nucleus of Mrk 59, 3/8/2018-3/7/2020
Box 5 of 6	GO7-18096X - Mapping AGN Feedback in Molecular Outflow Host NGC 1266 with Chandra, 1/1/2017-12/31/2018
Box 5 of 6	GO7-18097X - A Quadruple Quasar Coincident with a Giant Ly-alpha Nebula and a Protocluster at z=2, 12/27/2016-1/11/2019
Box 5 of 6	GO7-18098X - X-ray Spectroscopy of an ASAS-SN (All-Sky Automated Survey for Supernovae) TDE (Tidal Disruption Event), Cancelled
Box 5 of 6	GO7-18101A - Understanding AGN Accretion State Transitions via a Sample of Confirmed Changing-look Quasars, 6/24/2017-7/23/2020
Box 5 of 6	GO7-18101B - Understanding AGN Accretion State Transitions via a Sample of Confirmed Changing-Look Quasars, 7/24/2017-7/23/2020
Box 5 of 6	GO7-18102A - Measuring the Innermost Stable Orbit Using Microlensing of the FE K Line, 11/22/2016-1/10/2021
Box 5 of 6	GO7-18102B - Measuring the Innermost Stable Orbit Using Microlensing of the FE K Line, 11/22/2016-1/10/2020
Box 5 of 6	GO7-18104X - Temporal Variability and Proper Motions in the Inner Jet of Centaurus A, 9/18/2017-9/17/2019
Box 5 of 6	GO7-18105X - A Deep Broadband Study of the Diverse Population of X-ray Sources in M51 with Chandra and NuSTAR, 3/19/2017-3/18/2019
Box 5 of 6	GO7-18108A - Non-thermal X-ray Emission from Tidal Disruption Flares, 9/29/2017-9/28/2019
Box 5 of 6	GO7-18108C - Non-thermal X-ray Emission from Tidal Disruption Flares, 9/29/2017-9/28/2020

Box 5 of 6	GO7-18110X - Investigating X-ray Bias in Low-L, Low-z Quasars, 12/30/2016-1/11/2021
Box 5 of 6	GO7-18111X - Catching a Changing Look Quasar as it Undergoes Significant Changes in Accretion Rate, 2/21/2017-2/20/2019
Box 5 of 6	GO7-18112X - Continued Quasar and AGN Variability on 10-100 kyr Timescales, 12/18/2017-12/17/2020
Box 5 of 6	GO7-18113X - Mapping the X-ray structure of the Jet of RGB J1512+020A, 6/5/2017-6/4/2020
Box 5 of 6	GO7-18114X - The Physics of the Jets of Powerful Radio Galaxies and Quasars, 11/30/2017-11/29/2020
Box 5 of 6	GO7-18115X - 2MASS J00423991+3017515: An AGN on the Run?, 9/26/2017-9/25/2019
Box 5 of 6	GO7-18116X - Probing the Extreme Mass Peaks at z>0.7, 1/1/2017-12/31/2020
Box 5 of 6	GO7-18117X - A Violent Merger in the Cluster PLCKESZ G200.9-28.2: Relic Formation Caught in Action?, 11/20/2017-11/19/2019
Box 5 of 6	GO7-18118X - A Cool Core Remnant in One of the Brightest Non-cool Core Clusters?, 12/20/2016-1/11/2020
	Box 6
Box 6 of 6	GO7-18119X - Perseus and NGC 1275: Inner Bubbles and Inner Disks, 1/1/2017-12/31/2020
Box 6 of 6	GO7-18121X - The Spectacular Case of a Ram-pressure Stripped Galaxy Group in the Outskirts of Hydra A/A780, 1/16/2017-1/15/2020
Box 6 of 6	GO7-18122X - Radio Galaxies at the Crossroads: The Origin of X-Shaped Radio Sources and the Role of Supermassive Black Hole Mergers, 1/30/2018-1/29/2021
Box 6 of 6	GO7-18123A - Determining the Universality of f_gas at High Redshift, 8/10/2017-8/9/2020
Box 6 of 6	GO7-18123B - Determining the Universality of f_gas at High Redshift, 8/10/2017-8/9/2019
Box 6 of 6	GO7-18123C - Determining the Universality of f_gas at High Redshift, 8/10/2017-8/9/2019

Box 6 of 6	GO7-18124X - A Deep, High-Resolution X-ray Analysis of the Phoenix Cluster, 8/22/2017-8/21/2019
Box 6 of 6	GO7-18125X - The Unusually High Concentration of the Fossil Group NGC 6482, 11/24/2017-11/23/2020
Box 6 of 6	GO7-18129X - Assessing the WHIM Detection Towards Mkn421, 1/29/2018-1/28/2021
Box 6 of 6	GO7-18131A - Are Runaway O-star Bow Shocks Able to Accelerate Cosmic Rays?, 1/1/2017-12/31/2019
Box 6 of 6	GO7-18131B - Are Runaway O-star Bow Shocks Able to Accelerate Cosmic Rays?, 1/1/2017-12/31/2019
Box 6 of 6	GO7-18132X - Putting a Ring on it: Light Echoes from X-ray Transients as Probes of Interstellar Dust and Galactic Structure, Cancelled
Box 6 of 6	GO7-18133X - A Magnetic X-ray Filament near the Galactic Center: Seeking the Energy Source, 7/14/2017-7/13/2019
Box 6 of 6	GO7-18135A - Diagnosing the Black Hole Accretion Physics of Sgr A*, 7/18/2017-7/17/2020
Box 6 of 6	GO7-18135B - Diagnosing the Black Hole Accretion Physics of Sgr A*, 7/18/2017-8/17/2019