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Collection Overview

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

This accession consists of proposals, grants, and contracts for scholarly studies conducted by the Smithsonian Astrophysical Observatory (SAO) for the National Aeronautics and Space Administration (NASA) and other Federal agencies. Materials include correspondence, grant proposals and supplements, contracts and modifications, progress reports, and requests for foreign travel.

Names and Subject Terms

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

Subjects:

Research
Research grants

Types of Materials:

Manuscripts

Names:

United States. National Aeronautics and Space Administration

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- Box 28 of 31 P2280-7-90 - Theoretical Investigation of Interstellar and Extragalactic Chemistries
- Box 28 of 31 P2281-8-90 - Smithsonian's Support of the Space Telescope Science Institute's Proposal to NASA for the Search for Extraterrestrial Intelligence Microwave Observing Project
- Box 28 of 31 P2282-8-90 - Continuation of Research on Spectroscopy, Opacity, and Atmospheres
- Box 28 of 31 P2283-8-90 - Study of the Dynamics of Star Formation
- Box 28 of 31 P2284-8-90 - Structure and Heating in Magnetic Flux Tubes
- Box 28 of 31 P2285-8-90 - Smithsonian's Support of an Observational Program for Ultra-High Precision Brightness Measurements
- Box 28 of 31 P2286-8-90 - Long-Term Research on Spectroscopy, Opacity and Atmospheres
- Box 28 of 31 P2287-8-90 - Continuation of Astrophysics Master Directory System (AMDS)/ Astrophysics Data System (ADS)
- Box 28 of 31 P2288-8-90 - Planetary Ephemeris Program (PEP)
- Box 28 of 31 P2289-8-90 - Continuation of Astrophysics Software and Research Aids
- Box 28 of 31 P2290-8-90 - Continuation of Fabricate, Inspect and Test One VLG-11B Hydrogen Maser
- Box 28 of 31 P2291-8-90 - Continuation of Advanced X-Ray Astrophysics Facility
- Box 28 of 31 P2292-8-90 - Supplement to Research Grant NSG-5175
- Box 28 of 31 P2293-9-90 - Advanced X-Ray Astrophysics Facility (AXAF)
- Box 28 of 31 P2294-9-90 - A Normal Incidence X-Ray Telescope Sounding Rocket Payload
- Box 28 of 31 P2295-9-90 - Dynamic Noise Analysis of Gravity Gradiometer
- Box 28 of 31 P2296-9-90 - Theoretical Studies of the Outer Envelopes of Young Stellar Objects

- Box 28 of 31 P2297-9-90 - Coronagraphic Observations and Analyses of the Ultraviolet Solar Corona
- Box 28 of 31 P2298-9-90 - HK Measurements of Solar Type Stars
- Box 28 of 31 P2299-9-90 - Development of High Throughput X-Ray Telescopes for X-Ray Imaging and Dispersive Spectroscopy with Applications to Rockets and the LAMAR/High Throughput Facility
- Box 28 of 31 P2300-9-90 - Continuation of Investigation of Tethered Satellite System Dynamics
- Box 28 of 31 P2301-9-90 - Radar Studies in the Solar System
- Box 28 of 31 P2302-10-90 - Study of Astrophysical Magnetic Fields and Topics in Galaxy Formation
- Box 28 of 31 P2303-10-90 - Molecular Processes in Comets
- Box 28 of 31 P2304-10-90 - Continuing Engineering Support to the NICMOS Project
- Box 28 of 31 P2305-10-90 - SAO Support to Jet Propulsion Laboratory (JPL) for Gravity Physics in the Solar Probe Mission
- Box 28 of 31 P2306-10-90 - Determination of Spectroscopic Properties of Atmospheric Molecules from High Resolution Vacuum Ultraviolet Cross Section and Wavelength Measurements
- Box 28 of 31 P2307-10-90 - High Angular Observation of the R aqr Symbiotic System
- Box 28 of 31 P2308-10-90 - Continuation of Multiwavelength Spectroscopy of X-Ray Binaries
- Box 28 of 31 P2309-10-90 - X-Ray Perspective on the Components and Structure of Galaxies
- Box 28 of 31 P2310-10-90 - Studies of the Evolutionary Luminosity Function of Active Galactic Nuclei as the Origin of the Diffuse X-Ray Background
- Box 28 of 31 P2311-10-90 - Cosmological Implications of Clusters of Galaxies
- Box 28 of 31 P2312-10-90 - Continuation of the Experiment Implementation of the Infrared Array Camera (IRAC) for the Space Infrared Telescope Facility (SIRTF)

- Box 28 of 31 P2313-10-90 - Continuation of Development of High Resolution Imaging Detectors and Optics for X-Ray Astronomy
- Box 28 of 31 P2314-10-90 - Accreting Stellar Systems
- Box 28 of 31 P2315-10-90 - Atmospheres of Cool Stars and Stellar Systems
- Box 28 of 31 P2316-10-90 - Continuation of the Study of Dynamics of Solar and Stellar Coronal Plasmas

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- Box 29 of 31 P2317-10-90 - SAO's Participation in a Project Entitled "Open Clusters as Laboratories: Angular Momentum Evolution of Young Stars"
- Box 29 of 31 P2318-10-90 - Global Studies of Molecular Clouds in the Galaxy, the Magellanic Clouds and M31
- Box 29 of 31 P2319-10-90 - Space Station Freedom: Large Area Modular Array of Reflectors (LAMAR)
- Box 29 of 31 P2320-10-90 - A Normal Incidence X-Ray Telescope Sounding Rocket Payload
- Box 29 of 31 P2321-10-90 - ROSAT Post-Launch Verification and Calibration
- Box 29 of 31 P2322-10-90 - VHE Gamma Ray Observations of the Galactic Plane
- Box 29 of 31 P2323-10-90 - Simultaneous X-Ray/UV Observations of Atoll Low-Mass X-Ray Binaries
- Box 29 of 31 P2324-10-90 - Analytical Investigation of Tethered Constellations in Earth Orbit (Phase II)
- Box 29 of 31 P2325-10-90 - Continuation of the Experiment Implementation of Infrared Array Camera (IRAC) for the Space Infrared Telescope Facility (SIRTF)
- Box 29 of 31 P2326-10-90 - An X-Ray Study of the Hot Phase of the Interstellar Medium of M31
- Box 29 of 31 P2327-10-90 - Dielectronic Recombination: A Unique Probe of Magnetic Fields in Stellar Transition Regions
- Box 29 of 31 P2328-10-90 - Relationships between Magnetic Flux and Atmospheric Heating in Cool Stars

Box 29 of 31 P2329-10-90 - Development of a PAPA Detector for Ultraviolet Space Astronomy

Box 29 of 31 P2330-10-90 - Generation of Complete Source Samples from the Slew Survey

Box 29 of 31 P2331-10-90 - Measurement of Element Abundance Variations in the Cas A and Tycho SNRs

Box 29 of 31 P2332-10-90 - Distant Cluster Evolution

Box 29 of 31 P2333-10-90 - Physical Structure of Three Symbiotic Binaries

Box 29 of 31 P2334-10-90 - Repair P-22 Maser at USNO and Refurbish One Set of Pump Elements at SAO

Box 29 of 31 P2335-11-90 - Protostars and Disks

Box 29 of 31 P2336-11-90 - Participation in the University of Colorado's Proposal to NASA ADP Program Entitled "Toward Understanding R Coronae Borealis Stars"

Box 29 of 31 P2337-11-90 - Observations of the Rotational Transitions of OH from the Orion Molecular Cloud

Box 29 of 31 P2338-11-90 - Participation in the University of Wisconsin's Ultraviolet Photo Polarimeter Experiment (WUPPE) the Spacelab Payload Scheduled to Fly on ASTRO

Box 29 of 31 P2339-11-90 - Space Station Freedom: Large Area Modular Array of Reflectors (LAMAR)

Box 29 of 31 P2340-11-90 - Venus Gravity

Box 29 of 31 P2341-12-90 - UV Spectra of Nearly Synchronous Magnetic Cataclysmic Variables

Box 29 of 31 P2342-12-90 - Calibration Stars for the Ultraviolet Coronagraph Spectrometer

Box 29 of 31 P2343-12-90 - Chromospheric Determinants in Red Giants

Box 29 of 31 P2344-12-90 - International Ultraviolet Explorer Observing Program IUE Observations of the X-Ray Binary HD 154791

- Box 29 of 31 P2345-12-90 - Maunder-Minimum Phase of Solar-Type Stars in the Ultraviolet
- Box 29 of 31 P2346-12-90 - Coordinated IUE and Speckle Observations of R Aqr Cental Region
- Box 29 of 31 P2347-12-90 - Role Pulsational Shock Waves in the R CrB Behavior of RY Sgr
- Box 29 of 31 P2348-12-90 - Contemporaneous Infrared to X-Ray Observations of ROSAT Quasars: Ultra-Violet
- Box 29 of 31 P2349-12-90 - Dielectronic Recombination: A Unique Probe of Stellar Magnetic Fields
- Box 29 of 31 P2350-12-90 - Long-Term Variability of Magnetic Structures on BD + 26 degree 730
- Box 29 of 31 P2351-12-90 - Multiband Observations of the Flares on AE Aquarii
- Box 29 of 31 P2352-12-90 - Periodic Variability in the Hybrid Supergiant: Alpha Aquarii
- Box 29 of 31 P2353-12-90 - UV Spectra of H2 Emitting Shocks
- Box 29 of 31 P2354-12-90 - Coordinated Study of Mira AB: Short-Term Variability and Outbursts

Box 30

- Box 30 of 31 P2355-12-90 - Continue Preliminary Design Definition of a Submillimeter Wave Astronomy Satellite (SWAS)
- Box 30 of 31 P2356-12-90 - Continuation of the Design and Analysis Effort on the Large Area Modular Array of Reflector (LAMAR) Selected as an Attached Payload Flight Aboard Space Station
- Box 30 of 31 P2357-1-91 - Continuation of Observational and Theoretical Studies of Low-Mass Star Formation
- Box 30 of 31 P2358-1-91 - Participation in Kuiper Airborne Observatory (KAO) Users' Subgroup Meetings
- Box 30 of 31 P2359-1-91 - Science Intuition Microworld Interactive Learning Environment (SIMILE)

- Box 30 of 31 P2360-1-91 - Redesign and Construct Belleville Spring Set for Hydrogen Maser
- Box 30 of 31 P2361-1-91 - Basic Remote Monitoring and Control System for S/N P-17 Maser
- Box 30 of 31 P2362-1-91 - Integrated Investigations of Triton's Eruptive Plumes
- Box 30 of 31 P2364-1-91 - Repair of S/N P-22 and P-23 Masers at SAO
- Box 30 of 31 P2365-1-91 - Polar Stratospheric Measurements with the FIRS-2 Spectrometer and the NASA DC-8 Platform
- Box 30 of 31 P2366-2-91 - Advanced X-Ray Astrophysics Facility (AXAF)
- Box 30 of 31 P2367-2-91 - Continuation for the Application of Two-Dimensional Imaging to Very High Energy Gamma Ray Astronomy
- Box 30 of 31 P2368-2-91 - Supplement to Research Grant NAGW-201
- Box 30 of 31 P2369-2-91 - Analysis and Management Support for the Laser Ranging Measurements in Europe and North America
- Box 30 of 31 P2370-2-91 - Continuation for the Application of Two-Dimensional Imaging to Very High Energy Gamma Ray Astronomy
- Box 30 of 31 P2371-2-91 - Dr. Kelly Chance's Participation in the European Space Agency's Global Ozone Monitoring Experiment (GOME) and the Scanning Imaging Absorption Spectrometer for Atmospheric Chartography (SCIAMACHY)
- Box 30 of 31 P2372-2-91 - Aluminize a 56 Inch Diameter Mirror
- Box 30 of 31 P2373-2-91 - Mass Reduction and Use of Gate Arrays in UVCS
- Box 30 of 31 P2374-3-91 - Study Storage Volume Coatings for Atomic Hydrogen Masers
- Box 30 of 31 P2375-3-91 - Continuation of Mineralogical Investigation of Lunar Samples and Meteorites
- Box 30 of 31 P2376-3-91 - Mineralogic and Petrologic Studies of Meteorites and Lunar Samples
- Box 30 of 31 P2377-3-91 - Spectrum of a New X-Ray-Detected Z = 2.2 QSO

- Box 30 of 31 P2378-3-91 - PSPC Observations of Eight New X-Ray-Detected Abell Clusters
- Box 30 of 31 P2379-3-91 - The BL Lac Phenomenon: X-Ray Observations of Transition Objects
- Box 30 of 31 P2380-3-91 - A Search for X-Ray Emission from Selected Radio Pulsars
- Box 30 of 31 P2381-3-91 - The Supernova Remnant CTA 1 and the Supernova Remnant KES 79
- Box 30 of 31 P2382-3-91 - High Resolution X-Ray Observations of the Central Region of M31
- Box 30 of 31 P2383-3-91 - The Supernova Remnant CTA 1 and the Supernova Remnant KES 79
- Box 30 of 31 P2384-3-91 - Determination of the X-Ray Spectrum of a Complete Sample of Flat-Spectrum Radio Sources
- Box 30 of 31 P2385-3-91 - A Study of the X-Ray Emission from Three Radio Pulsars
- Box 30 of 31 P2386-3-91 - Soft X-Ray Submission from Boundary Layers in Cataclysmic Variables
- Box 30 of 31 P2387-3-91 - The Onset of Winds in Early-Type Galaxies
- Box 30 of 31 P2388-3-91 - X-Ray Observations of a Complete Sample of Low Flux Radio AGNs
- Box 30 of 31 P2389-3-91 - X-Ray Images of Wide Separation Lensed Quasars
- Box 30 of 31 P2390-3-91 - Gravitating Masses of Poor Clusters of Galaxies
- Box 30 of 31 P2391-3-91 - Slew Survey Sources in the ROSAT Survey
- Box 30 of 31 P2392-3-91 - Continuation of Investigations of Dynamics of the Solid Earth (DOSE)

Box 31

- Box 31 of 31 P2393-3-91 - Study of the Physics of Cometary Nuclei
- Box 31 of 31 P2394-3-91 - Airborne Astronomy Program for Observations of Young Stars and Dense Cores

- Box 31 of 31 P2395-3-91 - Dust Polarization at Far-Infrared Wavelengths Galactic Center Clouds and Orion Gas Streamers
- Box 31 of 31 P2396-3-91 - A Normal Incidence X-Ray Telescope Sounding Rocket Payload
- Box 31 of 31 P2397-4-91 - Coronal Physics of the Lower Main Sequences: Relationships among X-Rays, Radio Emission and Magnetic Fields
- Box 31 of 31 P2398-4-91 - X-Ray Emission of the Sombrero Galaxy and its Binding Mass
- Box 31 of 31 P2399-4-91 - Two New Components of the X-Ray Emission of E and SO Galaxies
- Box 31 of 31 P2400-4-91 - The Environmental Impact of Intra-Cluster Medium on the Interstellar Medium in Early Type Galaxies
- Box 31 of 31 P2401-4-91 - Shocked Clouds in the Cygnus Loop
- Box 31 of 31 P402-4-91 - Variability in the Pleiades
- Box 31 of 31 P2403-4-91 - Mass Measurements in Early Type Galaxies: NGC 5044
- Box 31 of 31 P2404-4-91 - Hot Gas and Dark Halos in Isolated Early Type Galaxies