

NASA APPROVED IUE PROGRAMS FOR THE TWELFTH YEAR

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. M. A'Hearn IUE Observations of Comets	U Maryland	SCLMA
Dr. T. Ake S Stars as Cooler Analogs to Ba II Stars - The Question of Binarity	CSC - ST	SCLTA
Dr. C. Ambruster Evolution in FK Comae Stars	Villanova	FKLCA
Dr. C. Ambruster Cool Dwarfs 10E-7 - 10E-8 Years Old: A Critical Gap in IUE Coverage, II	Villanova	LDLCA
Dr. L. Auer The Wind Structure of the SMC Wolf-Rayet Star HD 5980	Los Alamos	WRLLA
Dr. T. Ayres Cool-Star Betathon	Colorado CASA	LGLTA
Dr. T. Ayres Sleuthing the Dynamo II	Colorado CASA	CSLTA
Dr. T. Barker IUE Spectra of Peculiar Planetary Nebulae	Wheaton College	PPLTB
Dr. G. Basri Accretion Disks and T Tauri Stars	UC Berkeley	TTLGB
Dr. W. Blair UV Observations of the Supernova Remnant N49 in the LMC	Johns Hopkins	SNLWB
Dr. K. Bohm Ultraviolet Continuum Emission in the Peculiar Herbig-Haro Object 24A	U Washington	HHLKB
Dr. E. Bohm-Vitense The Companion of the RR Lyrae Star TV Boo	U Washington	RRLEB
Dr. E. Bohm-Vitense Dynamical Masses for V636 Sco	U Washington	BCLEB
Dr. H. Bond The Pulsating Nucleus of the Planetary Nebula Lo 4	ST ScI	PNLHB
Dr. H. Bond Ultraviolet Monitoring of Irregularly Variable Planetary Nuclei	ST ScI	HSLHB
Dr. B. Bopp Ultraviolet Observations of Extremely Active Lithium-Rich RS C Vn Stars	Toledo	RSLBB
Dr. D. Brown IUE Spectrophotometric Census of Scorpius OB2 Association B-Stars	U Washington	OBLDB
Dr. E. Brugel Miras and RV Tauri Stars: Shock Waves and Pulsation-Related Mass Loss	Colorado CASA	RVLEB

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. E. Brugel High Velocity Interstellar Shocks: Herbig-Haro Objects in Cepheus A and HH-34	Colorado CASA	HHLEB
Dr. F. Bruhweiler C IV in A Stars: Bridging the Gap Between Early and Late-Type Stars	Catholic U.	ACLFB
Dr. F. Bruhweiler The Extended NLR of NGC 1068: A Test of Ionization Models	Catholic U.	EGLFB
Dr. T. Carone Multispectral Monitoring of Markarian 509	U Arizona	AGLTC
Dr. K. Carpenter Short Timescale Variations in the Outer Atmosphere of Gamma Crucis	NASA - GSFC	LGLKC
Dr. K. Carpenter Far-UV Low Resolution Spectroscopy of High Luminosity K and M Stars	NASA - GSFC	LSLKC
Dr. K. Carpenter Simultaneous IUE/HST-GHRS Observations of AU Mic	NASA - GSFC	FSLKC
Dr. A. Caulet NGC 1275, High Velocity Filamentary System	NASA - GSFC	EGLAC
Dr. K. Chambers Minkowski's Object: A Starburst Triggered by a Radio Jet	ST ScI	SBLKC
Dr. J. Clarke Doppler-shifted H Lyman Alpha Emission from Jupiter's Aurora	U Michigan	SJLJC
Dr. J. Clarke Jupiter's Equatorial H Lyman Alpha Line Profile	U Michigan	JULJC
Dr. P. Conti Wolf-Rayet Stars of WN Subtype	Colorado CASA	WNLPC
Dr. P. Conti Origin of the UV Variability of HD 192163 WN6(+c?)	Colorado CASA	WRLPC
Dr. A. Cowley Evolved Clusters in the Large Magellanic Cloud	Arizona State	GCLAC
Dr. A. Danks A Study of the Stellar Population in Selected SO Galaxies	ARC	SOLAD
Dr. L. Danly IUE Observations of Clouds in the Milky Way Halo	ST ScI	GHLLD
Dr. M. Davis Ultraviolet Observations of a Bright Southern Quasar	UC Berkeley	QSLMD
Dr. S. Drake An IUE Study of F Giants	ST Systems	LGLSD
Dr. J. Drilling UV Spectroscopy of Very Hot sdO Stars	Louisiana State	SDLJD

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Dr. R. Dufour CNO Abundance in Type I Planetary Nebulae	Rice	NPLRD
Dr. R. Dufour The Carbon Abundance in the Super Metal Poor Galaxy GR 8	Rice	IGLRD
Dr. A. Dupree Periodic Variability in Red Supergiants	CFA - SAO	LSLAD
Dr. J. Eaton Long-Term Observations of 31 Cygni	Indiana Univ.	IBLJE
Dr. J. Eaton Chromospheric Variability in M Giants	Indiana Univ.	SRLJE
Dr. J. Eaton Zeta-Aurigae Binaries with M Giants: Delta Sagittae Et Al.	Indiana Univ.	ZBLJE
Dr. N. Evans Magellanic Cloud Cepheids	Canada	MCLNE
Dr. N. Evans The Mass of the Cepheid SU Cygni	Canada	DCLNE
Dr. N. Evans The Companion of the Cepheid Z Lac	Canada	BCLNE
Dr. W. Feibelman The Nature of Evolved Stars with Bipolar Nebulae	NASA - GSFC	BNLWF
Dr. W. Feibelman FG Sagittae and Its Planetary Nebula	NASA - GSFC	FGLWF
Dr. F. Fekel Synchronization in Chromospherically Active Binaries	Vanderbilt	CBLFF
Dr. P. Feldman Observations of Comets with the IUE	Johns Hopkins	SCLPF
Dr. R. Fesen An Ultraviolet Study of S Andromedae	U Colorado CASA	SRLRF
Dr. A. Filippenko Ultraviolet Observations of NGC 4395, the Least Luminous and Nearest Known Seyfert 1 Nucleus	UC Berkeley	SYLAF
Dr. P. Frisch A Nearby Interstellar Cloud Towards Orion/Eridanus	U Chicago	ISLPF
Dr. P. Frisch Local Interstellar Gas. IV	U Chicago	IMLPF
Dr. C. Garmany B Supergiants in the Large Magellanic Cloud	Colorado CASA	OBLCG
Dr. E. Guinan Stalking the Migrating Spots, Plages, and Transition-Regions on VW Cephei	Villanova	IBLEG

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Dr. E. Guinan Gas Dynamics, Accretion, and Evolution of Algol-type Binaries	Villanova	CBLEG	
Dr. S. Heap The Planetary Nebula, NGC 2392, and Its Central Star	NASA - GSFC	PNLSH	
Dr. L. Hobbs The Pressure of the Interstellar Medium	U Chicago	IMLLH	
Dr. J. Holberg An IUE Determination of Interstellar Hydrogen Columns to He-Rich Degenerates	U Arizona	ISLJH	
Dr. A. Holm Searching for the White Dwarf in Dwarf Novae	CSC - ST	CVLAH	
Dr. I. Howarth Coordinated UV and H-Alpha Observations of Wind Variability in O Stars	Colorado JILA	OBLIH	
Dr. D. Hutter Coordinated Multiwavelength Studies of Blazars	CSC - IUE	AGLDH	
Dr. H. Johnson Companions to CH Stars	Indiana Univ.	LGLHJ	
Dr. H. Johnson Ultraviolet Spectra and Chromospheres of S and MS Stars	Indiana Univ.	MSLHJ	
Dr. P. Judge Cycle-Dependent Studies of Semi-Regular Giant Stars	Colorado JILA	SRLPJ	
Dr. W. Keel Comparison of Nearby and Very-High-Redshift Radio Galaxies	U Alabama	RGLWK	
Dr. S. Kenyon IUE Observations of Pre-Main Sequence Accretion Disks	CFA - SAO	PMLSK	
Dr. R. Kirshner Supernova Spectroscopy	Harvard	SNLRK	TARG OF OPP
Dr. R. Kirshner Continuing Spectroscopy of SN 1987A	Harvard	SULRK	
Dr. R. Koch Hot, Massive Binaries	U Pennsylvania	IBLRK	
Dr. D. Koester Ultraviolet Observations of a New, Extremely Hot DA White Dwarf	Louisiana State	DALDK	
Dr. D. Leckrone Ultraviolet Spectral Energy Distributions of Mercury-Manganese Stars	NASA - GSFC	HMLDL	
Dr. J. Linsky Ultraviolet Observations of Two Possible FK Comae Stars	Colorado JILA	FKLJL	
Dr. J. Linsky A Coordinated Study of Flares and Active Regions on the BY Draconis-Type Star CC Eridani	Colorado JILA	FSLJL	

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Dr. G. MacAlpine Ultraviolet Study of Markarian 1126	U Michigan	AGLGM	
Dr. M. Malkan Structure of the BLR in NGC 5548	UC LA	AGLMM	
Dr. T. Marsh Evolution of the Wind in the Dwarf Nova IP Peg During Outburst	ST ScI	CVLTM	TARG OF OPP
Dr. D. Martin Search for Correlated UV and X-Ray Absorption in NGC 3516	Col. Astro Lab	AGLCM	
Dr. D. Massa The UV Extinction Properties of Carina Nebular Dust	ARC	OBLDM	
Dr. P. Massey Stellar Winds in the Hot Stars of Nearby Galaxies	KPNO	HSLPM	
Dr. P. Massey The Stellar Winds of the Very Early O-type Stars in NGC 346, the Youngest Cluster in the SMC	KPNO	OBLPM	
Dr. C. Mauche The P Cygni Profiles of Z Cam at Standstill	Los Alamos	CVLCM	TARG OF OPP
Dr. C. Mauche Observations of U Gem in Outburst	Los Alamos	DNLCM	TARG OF OPP
Dr. D. Meyer Small-Scale Structure in the Diffuse Interstellar Medium	Northwestern	IMLDM	
Dr. H. Miller A Search for Rapid Variations in the UV Flux of PKS 2155-304 with IUE	Georgia State	QSLHM	
Dr. H. Moos How Does Io Fuel the Plasma Torus?	Johns Hopkins	SILWM	
Dr. H. Moos Auroral and Diffuse Emissions from Saturn and Uranus	Johns Hopkins	SSLWM	
Dr. H. Moos Excitation of the Jovian Upper Atmosphere	Johns Hopkins	SJLWM	
Dr. J. Neff Simultaneous X-Ray and Ultraviolet Observations of Flares on RS CVn Stars	NASA - GSFC	RSLJN	
Dr. J. Nichols-Bohlin UV and Optical Covariability of O Star Winds	CSC - IUE	OBLJN	
Dr. S. Parsons Cool Giants and Supergiants with Hot Companions	CSC - ST	HCLSP	
Dr. G. Peters The Gas Stream in the Algol Binaries TT Hydrae and V393 Scorpii	USC	IBLGP	
Dr. G. Peters UV Observations of AU Mon Through Its Long-Term Light Cycle	USC	CBLGP	

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Dr. G. Peters Multiwavelength Observations of Equator-on "Rapid Variable" Be Stars	USC	HELGP	
Dr. R. Polidan Accretion Driven Outflows in the Interacting Binary V356 Sagittarii	U Arizona	IBLRP	
Dr. R. Polidan Slow Rise Symmetrical Outbursts in SS Cyg	U Arizona	DNLRP	TARG OF OPP
Dr. J. Raymond The Onset of Cooling in Cygnus Loop Shock Waves	CFA - SAO	ENLJR	
Dr. J. Raymond The Temperature Structure of V1082 Sagittarii	CFA - SAO	CVLJR	
Dr. G. Reichert UV and Optical Observations of Liners	CSC - IUE	AGLGR	
Dr. G. Reichert Simultaneous EUV and UV Observations of Active Galaxies	CSC - IUE	EGLGR	
Dr. R. Remillard The High Energy Spectrum of the QSO PKS 0558-504	MIT	QSLRR	
Dr. R. Rich Ultraviolet Spectroscopy of Galactic Globular Clusters	Columbia Univ.	GCLRR	
Dr. D. Sasselov Quantitative Chromospheric Diagnostics in Cepheids: Zeta Gem	Canada	DCLDS	
Dr. B. Savage Halo Gas Toward Several Distant Stars	U Wisconsin	HGLBS	
Dr. B. Savage A Study of the Origin of Highly Ionized Interstellar Gas	U Wisconsin	IGLBS	
Dr. J. Shaw V1010 Ophiuchi	U Georgia	IBLJS	
Dr. D. Shemansky Observations of Hydrogen Emission from the Sunlit Atmosphere of Saturn	U Arizona	SSLDS	
Dr. D. Shemansky A Search for Cometary Derived Atmosphere on the Moon	U Arizona	SMLDS	
Dr. S. Shore The Wind of the Herbig Ae/Be Star HD 37806	NM Inst. Tech	HALSS	
Dr. S. Shore The Galactic and LMC LBV's	NM Inst. Tech	LBLSS	
Dr. S. Shore The Colliding Stellar Winds of the Wolf-Rayet Binary Star CQ Cephei	NM Inst. Tech	WRLSS	
Dr. C. Shrader X-ray Transients as Targets of Opportunity	CSC - IUE	XBLCSS	TARG OF OPP

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Dr. T. Simon The Dependence of Chromospheric Activity upon Mass, Age, and Rotation	U Hawaii	CCLTS
Dr. T. Simon The Mass of the Subdwarf B Star in HD 185510	U Hawaii	SDLTS
Dr. T. Simon Chromospheric Activity in the Early F Stars	U Hawaii	FDLTS
Dr. E. Sion Echelle Studies of Physical Processes in Helium-Rich White Dwarfs PG0112+104	Villanova	WDLES
Dr. E. Sion Observations of V471 Tauri at Critical Phases	Villanova	EBLES
Dr. E. Sion IUE Echelle Studies of Physical Processes in Helium-Rich White Dwarfs	Villanova	HELES
Dr. M. Smith Periodic Ultraviolet Variations in Two Red Supergiants	CSC - IUE	LGLMS
Dr. M. Smith An IUE Investigation of Flarelike Activity in Lambda Eri	CSC - IUE	BELMS
Dr. T. Snow Interstellar Depletions and Ultraviolet Extinction in Dense Clouds	Colorado CASA	IMLTS
Dr. S. Starrfield Ultraviolet Observations of Nova QU Vul 1984 #2, Nova GQ Mus 1983, and Novae LMC 1988 # 1 & 2	Arizona State	CVLSS
Dr. S. Starrfield Target of Opportunity Observations of Galactic Novae in Outburst	Arizona State	NOLSS TARG OF OPP
Dr. S. Stern IUE Observations of Pluto's Surface and Extended Atmosphere	Colorado LASP	SPLSS
Dr. S. Stern First UV Spectra of Uranian Satellites	Colorado LASP	SULSS
Dr. S. Stern IUE Observations of Triton and Neptune at the Time of the Voyager Encounter	Colorado LASP	SNLSS
Dr. J. Stocke NGC 4410: A Nearby, Bright "Cooling Flow"	Colorado CASA	RGLJS
Dr. W. Sun UV-Bracketted X-ray Observations of AGNs	NASA - GSFC	AGLWS
Dr. P. Szkody The Hot Component in 3 New CVs	U Washington	CVLPS
Dr. T. Teays The Unique Type II Cepheid RU Cam	CSC - IUE	DCLTT
Dr. D. Turnshek UV Observations of Two Bright Moderate Redshift Broad Absorption Line QSOs	U Pittsburgh	QSLDT

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Dr. C. Urry Coordinated Multifrequency Observations of X-Ray Bright BL Lacertae Objects	ST ScI	BLLCU
Dr. S. Vrtilek Multiwavelength Observations of Scorpius X-1	CFA - SAO	XBLSV
Dr. R. Wagener Solar System Observations I. Neptune During the Voyager Encounter	SUNY	SNLRW
Dr. G. Wallerstein High Resolution Observations of the Eruptive Symbiotic PU Vulpeculae	U Washington	ESLGW
Dr. F. Walter Fourth Epoch Doppler-Imaging Observations of AR Lacertae	Colorado CASA	RSLFW
Dr. B. Wills Polarized IRAS QSOs - 'Normal' QSOs seen Edge-on?	U Texas Austin	QSLBW
Dr. L. Willson High Dispersion Observations of Mg II in Miras	Iowa State	MGLLW
Dr. L. Willson Dust Nucleation and the Efficiency of Grain Formation: Clues from the Unstable Wind of L2 Pup	Iowa State	CSLLW
Dr. A. Witt Large-Angle Scattering in Reflection Nebulae	Toledo	RNLAW
Dr. A. Witt Molecular Hydrogen Dissociation Fronts and Red Dust Emission in Reflection Nebulae	Toledo	IMLAW
Dr. C. Wu Augmentation of the IUE Ultraviolet Spectral Atlas	CSC - ST	SALCW
Dr. D. York Study of High Velocity 21cm HI Clouds Using RR Lyrae Stars	U Chicago	RRLDY
Dr. F. Yusef-Zadeh A Unique Herbig Haro Object	Northwestern	HHLFY