

**University of Toronto Archives
and Records Management Services**



Tom Bolton fonds

B2023-0003

Ashley Buttineau, September 2023

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Biographical note

Charles Thomas Bolton

Charles Thomas (Tom) Bolton (15 April 1943 – 4 February 2021) was an astronomer and Professor Emeritus at the University of Toronto's Department of Astronomy and Astrophysics. Academically, he is best known as one of the first astronomers to discover observational proof of the existence of black holes. He is also known internationally for his fight against light pollution in Richmond Hill, which led to the establishment of the first municipal light pollution regulation in Canada.

Education

Bolton was born in Camp Forrest, a World War II military base east of Tullahoma, Tennessee. He was raised in Illinois where he later completed his B.Sc. in Astronomy at the University of Illinois in 1966. Afterwards, he received his M.Sc. (1968) and Ph.D. (1970) from the University of Michigan during which he became an expert in astronomical spectroscopy. His doctoral thesis, *Spectral Synthesis of Low Dispersion Luminosity Criteria in A and F Type Stars* was supervised by Charles R. Cowley. In September 1970, Bolton began a postdoctoral fellowship at the University of Toronto where he worked with Robert Garrison and John Heard on spectral classification and radial velocity research programs at the David Dunlap Observatory (DDO).

University of Toronto and the David Dunlap Observatory

While working as a postdoc, Bolton began teaching as an adjunct professor at the University of Toronto's Department of Astronomy (1970 – 1971), Scarborough College (1971 – 1972), and Erindale College (1972 – 1973). In 1973, he was hired as an Assistant Professor (1973 – 1976) before becoming an Associate Professor (1976 – 1980), eventually receiving full tenure in 1980. Throughout his career, Bolton served on numerous committees within the Department of Astronomy, including the Chant Committee (1978 – 1979), Colloquium Committee (1985 – 1986), Graduate Program Degree Committee (1992 – 1993), Curriculum Review Committee (1990 – 1991), Executive Committee (1991 – 1994), as well as several search and tenure committees at the departmental and university levels.

Bolton's research primarily involved the spectroscopic observation of stars, with a particular focus on hot massive stars, variable stars, binary systems, and stars with strong magnetic fields or peculiar chemical properties. His success as an astronomer began early in his academic career. In 1970, as a pioneer of spectral synthesis, Bolton developed a computer model for stellar atmospheres capable of generating large regions of spectra that were comparable to spectral data from real stars. This technique would eventually become part of the standard skillset of stellar astronomers.

Shortly after, in 1972, Bolton presented his most celebrated contribution to astronomy when he discovered and published the first irrefutable evidence for the existence of a black hole in the x-ray source, Cygnus X-1. Much of Bolton's subsequent work has also contributed heavily to the field's understanding of stellar evolution. His work has been published in over 100 academic journal articles, often co-authored by his students or collaborating astronomers from around the world.

In addition to his research, Bolton dedicated much of his time to administrative roles and improving the facilities at the DDO. He served as the DDO's Associate Director (1978 – 1994) as well as the supervisor of the 74-inch telescope (1974 – 1984) and darkroom (1976 – 1983). Between 1970s and 1990s, Bolton led several campaigns to upgrade and modernize the equipment at the observatory including the acquisition of a PDS microdensitometer, an image slicer for the cassegrain spectrograph, and a CCD camera for the 74-inch telescope. He also chaired numerous committees, including the Telescope Scheduling Committee (1971 – 1984); Shop Committee (1982 – 1983; 1992 – 1994); Safety Committee (1981 – 1994); and the DDO Review Committee (1992 – 1997).

As the DDO's Light Pollution Officer (1972 – 1997), Bolton fought against the rapidly increasing levels of light pollution in the Greater Toronto Area which threatened the DDO's ability to conduct research. By 1986, Bolton succeeded in generating enough negative publicity against developers in the Town of Richmond Hill that the Town agreed to pass a light pollution abatement by-law and authorized Bolton to review and approve the lighting plans for all new developments until the by-law could be implemented. During this time, Bolton also helped to draft the by-law which was established as the first of its kind in Canada in 1995.

Professional Activities

Outside his role at the University of Toronto, Bolton was also highly involved in the broader astronomical community. He was a founding member of the Canadian Astronomical Society (CAS) and an active member of the International Astronomical Union (IAU), Royal Astronomical Society of Canada (RASC), American Astronomical Society (AAS), Planetary Society, and the Illumination Engineering Society (IES). Within the IAU, Bolton served on Divisions G (Stars and Stellar Physics) and V (Variable Stars), as well as numerous commissions and committees including Commission 30: Radial Velocities (1976 – 1988), Commission 42: Close Binary Stars (1979 – 2015), and Commission 27: Variable Stars (1982 – 2015). Beginning in the late 1970s, Bolton also served on several peer review, scientific advisory, and observing time assignment committees for NASA's International Ultraviolet Explorer (IUE), Hubble Space Telescope, Extreme Ultraviolet Explorer (EUVE); the Canada-France-Hawaii Telescope; the Canadian Space Agency (CSA); the National Research Council of Canada; and the Natural Sciences and Engineering Research Council of Canada (NSERC). Likewise,

Bolton was passionate about public education and outreach, giving over 100 interviews for television, radio, and newspapers, as well as public talks about astronomy throughout his career.

Health and Retirement

In the early 1990s, Bolton began experiencing several health issues that forced him to take extended sick leaves and eventually, a long-term disability leave in 1997. In July 1992, Bolton was deeply impacted by the suicide of his Ph.D. student and friend, Michael Fieldus, who was within a couple of months of completing his degree. Bolton, along with the Fieldus family, petitioned to have the University grant Fieldus' degree posthumously and worked to complete Fieldus' thesis using the data that Fieldus had collected. Although Bolton had been able to convince the School of Graduate Studies that Fieldus' situation would warrant consideration, the request was ultimately denied. After Fieldus' death Bolton helped to establish the Michael S. Fieldus Award presented to students in the department who exemplified Fieldus' leadership and academic excellence.

In 2007, the University of Toronto announced the plan to sell the DDO and the surrounding property for development. Distressed by the University's decision, Bolton became a founding member of the DDO Defenders, a community group which sought to protect and conserve the DDO property. The efforts of Bolton and the DDO Defenders resulted in the designation of the DDO as a heritage site under the Ontario Heritage Act in 2009 and a National Historic Site of Canada in 2019. However, the sale of the DDO in June 2008 forced Bolton to vacate the Observatory. This put an early end to his career as his health issues prevented him from travelling to work at other observatories. Bolton retired and was appointed Professor Emeritus status in 2008.

Family

Bolton was born to Clifford T. and Pauline (Voris) Bolton in 1943. Prior to moving to Toronto, Bolton was married to Mary Jean Harris, separating in the mid-to-late 1970s. In 1985, Bolton met amateur astronomer Carolyn Susan Challenger through the RASC in Toronto. The couple married in 1986 and Bolton became a stepfather to her four children, David, Stephen, Craig, and Bill Hodges. Challenger died on December 7th, 2012 and Tom Bolton died on February, 4th 2021 at his home in Richmond Hill.

The way archival record creators identify themselves and are identified by others is key to understanding the perspectives and content of their records. Tom Bolton was socially understood as a white man. Additional information from the creator or family members was not provided.

References:

ASTROLab of Mont-Mégantic National Park. (n.d.). Charles Thomas Bolton (1943-). *Canada Under the Stars*.

Bolton, C. T. (2002). A Personal View of Combating Light Pollution. *The Doings of the Department of Astronomy & Astrophysics and the David Dunlap Observatory*, 33(2).

David Dunlap Observatory Defenders. (2012, April 12). Public Statement from the David Dunlap Observatory Defenders, Richmond Hill, Ontario.

Fullerton, A. W., Gies, D. R., & Shore, S. N. (2021). Obituary: Charles Thomas Bolton (1943–2021). *Bulletin of the American Astronomical Society*, 53(2).

Obituary: Pauline Bolton. (1992, July 15). *The Pantagraph*, C5.

Percy, J. R. (2021, February 19). Obituary: Astronomer Tom Bolton found compelling evidence of a black hole's existence: He became something of a celebrity through his ground-breaking work on X-ray-emitting Cygnus X-1, which inspired a song series by the rock band Rush. *The Globe and Mail*.

Vinas, M. J. (2008, July 25). Despite Protests, U. of Toronto Closes Observatory. *The Chronicle of Higher Education*, 54(64), A6.
<https://www.chronicle.com/article/despite-protests-u-of-toronto-closes-observatory/>

Michael Fieldus

Michael Stewart Fieldus (11 October 1962 – 4 July 1992) was a Ph.D. student at the University of Toronto's Department of Astronomy. His doctoral research focused on the line profile variations in the spectra of B stars.

Michael Fieldus was born in Toronto, Ontario to Paul and Beryl Fieldus. He began his undergraduate studies at the University of Toronto in the early 1980s. During this time, Fieldus became acquainted with Dr. Tom Bolton, who eventually became a friend and mentor. The two first met in 1982 when Fieldus enrolled in Bolton's course, AST 323: Spherical Astronomy and Celestial Mechanics, and again the next year in Bolton's AST 321: Solar System Astrophysics. In his final year, Fieldus completed an undergraduate thesis under the supervision of Dr. Bolton which analyzed the accuracy of PROCOR, a radial velocity correlation program, at the David Dunlap Observatory (DDO). Fieldus

received his B.Sc. in 1986 and continued at the University of Toronto to pursue a graduate degree under the supervision of John Lester and Chris Rogers. He received his MSc (1989) in Astronomy for his thesis, *A Program for Spherically Extended Line Blanketed Model Atmospheres*, which Dr. Bolton has described as, "one of the pioneering works in its field."

Remaining at U of T, Fieldus began his Ph.D. under the supervision of Dr. Bolton in 1989. His doctoral thesis, *A Survey of Line Profile Variability in Non-Emission Lined B0-B5, V-III Star*, sought to determine the incidence and properties of line profile variations of slowly pulsating B stars as a function of fundamental stellar parameters.

Fieldus died by suicide on July 4, 1992. Only a couple of months away from completing his doctoral work, Bolton and Fieldus' family requested that the University grant the degree posthumously. The request was ultimately refused despite Bolton's efforts to complete the thesis. Fieldus' friends and family later established the Michael S. Fieldus Memorial Award in his honor.

Prior to his death, Fieldus published several abstracts, conference papers, and reviewed academic articles published in *Astronomy and Astrophysics*, *The Astrophysics Journal*, and *The Astrophysics Journal Letters*. He was honoured with several fellowships and awards to support his work including the Frank S. Hogg Fellowship (1986 – 1987), Carl Reinhardt Fellowship (1987 – 1988), C.A. Chant Fellowship (1988 - 1989), U of T Open Doctoral Fellowship (1998 – 1991), Department of Astronomy Scholarship (1991), Ontario Graduate Scholarship (1991 – 1992), and an NSERC postdoctoral fellowship (1992).

Outside his research and education, Fieldus was an active member of the U of T community. During his undergrad he joined the men's swim team and later became the team captain and the swimming representative of the Men's T-Holder's Association.

While a student, Fieldus was involved in the Graduate Astronomy Students Association (GASA) serving as President (1989 – 1990) and student representative at faculty meetings (1989 – 1992). Fieldus was also a humor and gossip columnist for the "GASA Gossip" segment of the Department of Astronomy's quarterly newsletter, *The David Dunlap Doings* from 1986 until his death. Additionally, he dedicated his time to the DDO where he worked as a research assistant and summer tour guide.

The way archival record creators identify themselves and are identified by others is key to understanding the perspectives and content of their records. Michael Fieldus was socially understood as white. Information was gathered by the archivist from photographic records. No additional information was provided by the creator or family members.

References:

Bolton, C. T. (1994). Obituary: Michael Stewart Fieldus. *Bulletin of the American Astronomical Society*, 26, 1601 – 1692.

Dahlin, K. (1992, May 11). A Starring Role: Heavenly Prose or Earthly Sentiments. *The University of Toronto Bulletin*, 45(19), 10.

In Memoriam: Fieldus was Astronomy Columnist. (1992, July 27). *The University of Toronto Bulletin*, 46(1),

The Best of GASA Gossip by Mike Fieldus (1992, September 30). *The David Dunlap Doings*, 25(4), 2.

Scope and content

1935 – [200-]

10.44m of textual records

20 photographs

Fonds consists of records of both Professor Tom Bolton and his former doctoral student, Michael Fieldus, documenting their respective research and academic careers. Material predominantly covers the activities of Bolton, including his research on stellar spectroscopy and other topics, teaching, administrative and committee duties for the Department of Astronomy and the David Dunlap Observatory, publishing activity, and his involvement in both professional associations and as an advisor to government bodies on topics such as light pollution. The records of Michael Fieldus cover his student work and research. Particular focus is given to his Ph.D. research, which discussed the changes observed in the shape and intensity of spectral lines emitted by B-type stars over time. Following Fieldus' death, Bolton completed this research which has created some overlap between the two creators' records. Please see sous-fonds descriptions for additional detail.

Note: The records of both Tom Bolton and Michael Fieldus were transferred to UTARMS as a single set of records as Bolton had stored and preserved Fieldus' work following his death.

Access: All files are open with the following exceptions:

- Series 2: B2023-0003/004(01)-(24)
- Sub-series 3.1: B2023-0003/004(32)
- Sub-series 3.2 - all files restricted; B2023-0003/005(09)-(17)
- Sub-series 4.1: B2023-0003/005(19), (21), (23), (25), (28)
- Sub-series 4.2: B2023-0003/007(01)

Please see series and sub-series descriptions for additional information.

Boxes:

Textual records: B2023-0003/001 - /033

Photographs: B2023-0003/001P

Related material at UTARMS:

- Robert Garrison fonds
- Helen Sawyer Hogg fonds
- University of Toronto. Department of Astronomy and Astrophysics
 - A1974-0027
 - A1993-0010
- David Dunlap Observatory fonds
 - A1975-0047
 - A1979-0034
 - A2008-0024
- [Digitized material from the DDO on Internet Archive](#)

Related material external to UTARMS:

- *David Dunlap Doings*
 - [Vol. 1 – 27](#)
 - [Vol. 28 – 34](#)
- [University of Toronto Globular Cluster Plate Collection](#)

Sous-fonds 1: Tom Bolton sous-fonds

1935 – [200-]

9.34m of textual records

19 photographs

Sous-fonds consists of records documenting the academic career of Professor Tom Bolton. Material covers Bolton's principle research interests in observational astronomy and stellar astrophysics, his administrative and operational responsibilities for the David Dunlap Observatory, committee work for UofT's Department of Astronomy, and extensive teaching and supervisory work. Records also reflect Bolton's involvement in professional organizations and serving the Town of Richmond Hill around issues of light pollution. Please see series and sub-series descriptions for additional information.

Arrangement: Records in Series 1, 3, 6, and 7 and Sub-series 4.1 in Sous-fonds 1 were given an imposed order as no consistent original order could be identified. The remaining Series and Sub-series were generally kept in the original organization in which the material was received to preserve the relationships between the records.

Access: All files are open with the following exceptions.

- Series 2: B2023-0003/004(01)-(24)
- Sub-series 3.1: B2023-0003/004(32)
- Sub-series 3.2 - all files restricted; B2023-0003/005(09)-(17)
- Sub-series 4.1: B2023-0003/005(19), (21), (23), (25), (28)
- Sub-series 4.2: B2023-0003/007(01)

Please see series and sub-series descriptions for additional information.

Boxes:

Textual records: B2023-0003/001 - /029(33),
B2023-0003/032(05).01-(06).01, B2023-0003/033
Photographs: B2023-0003/001P(01), (03)

Series 1: Personal and Biographical

[196-] – 2007

0.34m of textual records

3 photographs

Series primarily consists of textual records documenting Tom Bolton's education and career. The series is organized into two sections. The first section consists of files related to Bolton's personal and professional life. The section begins with Bolton's CVs followed by six files arranged chronologically. Records include applications to positions and fellowships, staff appointment forms and employment letters, research awards, and related correspondence. Additionally, some files contain records related to Bolton's tenure review, research leave, disability leave, and personal research into treatments for mental health conditions. There is also one file consisting of personal photographs.

The second section includes files which document Bolton's post-secondary education, including his undergraduate studies at the University of Illinois (1962 – 1966) and graduate studies at the University of Michigan (1966 - 1968). The files are arranged alphabetically and consist of syllabi, course notes, student work, and Bolton's master's examination.

For a file list, see [Series 1: Personal and Biographical in Appendix I](#).

Related material: Additional records documenting Bolton's personal life are located in Series 2: Correspondence.

Arrangement: Files are divided into two sections; the first section is generally arranged chronologically and the second section is arranged alphabetically.

Access: Open

Boxes:

Textual records: B2023-0003/001 - /002(01)-(02)

Photographs: B2023-0003/001P(01)

Series 2: Correspondence

1966-2007

0.78m of textual records

16 photographs

Series primarily consists of Bolton's personal and professional correspondence as well as reference letters written for students and colleagues; the series is sub-divided into two sections accordingly. Files within the personal and professional correspondence section are generally arranged alphabetically by last name or subject. File titles typically reflect the correspondent, but they can also include correspondence that is about or related to the named individual.

Records document exchanges between Bolton and friends, family, students, colleagues, publishers, and members of the general public. The bulk of the correspondence documents scholarly discussion between Bolton, his colleagues, students, and astronomers from institutions around the world. The topics of discussion often relate to Bolton's research projects, involvement with astronomical societies, or the preparation of manuscripts for publication. Many files include the exchange of various types of research data, publications, and drafts of reports, manuscripts, and abstracts.

There is also one file which contains correspondence between Bolton and Michael Fieldus' family related to the Michael S. Fieldus Award and Bolton's attempt to get Fieldus' Ph.D. awarded posthumously. Personal correspondence and cards from friends and family are intermixed with the professional correspondence.

Reference letters and student evaluations for award and graduate school applications are located at the end of the series. These files are arranged alphabetically by last name.

For a file list, see [Series 2: Correspondence in Appendix I](#).

Related material: Additional correspondence can be found throughout the fonds based on specific projects or areas of activity. Researchers are encouraged to consult all appropriate series.

Arrangement: Series is arranged into two sections; files are arranged alphabetically within each section.

Access: All files are open with the exception of the reference letters in B2023-0003/004(01) to B2023-0003/004(24). These files have been restricted to protect the privacy of third parties. Please contact the University Archivist for additional information

Boxes:

Textual records: B2023-0003/002(03) - B2023-0003/004(24)

Photographs: B2023-0003/001P(03)

Series 3: University of Toronto Department of Astronomy

1970 – 2006

0.32m of textual records

Series consists of records documenting Dr. Bolton's activities as a faculty member within the Department of Astronomy at the University of Toronto. Records primarily relate to Dr. Bolton's involvement on various committees, supervision of students' thesis projects, and development of courses. Records also document some of the activities of the Department of Astronomy between 1970 and the 2000s. Records include, correspondence, departmental memoranda, minutes, annual activity reports, course evaluations, committee reports, proposals, and student work.

Series is divided into two sub-series: Departmental Activities and Thesis Supervisions and Assessments.

See sub-series descriptions for more information.

Access: All files are open, with the exception of:

- Sub-series 3.1: B2023-0003/004(32)
- Sub-series 3.2 - all files restricted; B2023-0003/005(09)-(17)

These files have been restricted to protect the privacy of third parties. Please contact the University Archivist for additional information.

Boxes: B2023-0003/004(25) - /005(17)

Sub-series 3.1: Departmental Activities

1970 – 2006

0.26m of textual records

Sub-series consists of records related to Dr. Bolton's activities within the Department of Astronomy including his involvement in the Chant Committee (1978 – 1979), Tri-University 3.5-m Telescope Committee (1988 – 1989), Graduate Program Degree Committee (1992 – 1993), Executive Committee (1991 – 1994), and several search committees. The records also document various aspects and activities of the Department of Astronomy including departmental planning; curriculum and course development; the Astronomy Library; acquisitions of telescopes and other equipment; responses to the Silcox Report, and various committees including the Computer Committee and Reinhardt Travel Committee. Additionally, two files document discussions about the future of the Department of Astronomy and the DDO and a proposal for a new 2-m Telescope for University of Toronto's observatory in Chile.

Records include correspondence and memoranda; Bolton's annual activity reports; meeting minutes; Graduate Astronomy Students Association (GASA) course evaluations; course outlines; new course proposals; course, committee, and TA assignments; Astronomy Library guides and annual reports; Ph.D. examination committee reports; curriculum review reports for the Department of Astronomy and the Faculty of Arts and Science; search committee reports; and CITA newsletters.

For a file list, see [Sub-series 3.1: Departmental Activities in Appendix I](#).

Related material: Additional records related to the Department of Astronomy and its relationship to Bolton and the DDO may be found in Series 2: Correspondence and Series 4: David Dunlap Observatory.

Arrangement: Files are arranged chronologically.

Access: All files are open with the exception of B2023-0003/004(32) which has been restricted to protect the privacy of third parties. Please contact the University Archivist for additional information.

Boxes: B2023-0003/004(25) - /005(08)

Sub-series 3.2: Thesis Supervisions and Assessments

[197-] – 2003

0.06m of textual records

Sub-series consists of records documenting Dr. Bolton's role as a supervisor to graduate and doctoral students at the University of Toronto and as an external examiner for Ph.D. students outside of the University. Files are arranged by student last name and include Ph.D. examination and committee reports; correspondence with students and external appraisers; Ph.D. committee meeting minutes; research proposals, project descriptions, progress reports, and drafts of student work; student CVs; and notes containing feedback and comments from Bolton. Some materials in the Paul Hendry file also include the student's feedback as one of the first students to take their Ph.D. general exam under the new General Examination format that was implemented in 1991.

For a file list, see [Sub-series 3.2: Thesis Supervisions and Assessments in Appendix I.](#)

Related material: Additional correspondence, reference letters related to students' thesis projects can be found in Series 2: Correspondence.

Additional records related to thesis projects supervised by Dr. Bolton, including undergraduate thesis projects for AST 425, are in Series 5: Research and Publications.

Arrangement: Files are arranged alphabetically by student last name.

Access: Restricted to protect the privacy of third parties. Please contact the University Archivist for additional information.

Boxes: B2023-0003/005(09)-(17)

Series 4: David Dunlap Observatory

1935-[200-], predominant [197-]-1999
1.98m of textual records

Series consists of records related to the administration and operation of the David Dunlap Observatory. The records encompass administrative duties such as staff management and committee participation, alongside documentation of special projects and events. Series also contains financial records and grant applications related to the observatory's operation, research, and equipment maintenance. Material also captures the preservation of astronomical instruments and computer systems utilized at the DDO, demonstrating Bolton and others' efforts to maintain, modernize, and document the technical resources of the facility. See sub-series descriptions for additional information.

Access: Open with the exception of the following files.

- B2023-0003/005(19), (21), (23), (25), (28)
- B2023-0003/007(01)

These files have been restricted to protect the privacy of third parties. Please contact the University Archivist for additional information.

Boxes: B2023-0003/005(18) - /011(18)
B2023-0003/032(05).01-(06).01

Sub-series 4.1: Administration and Committees

1935-2007

0.48m of textual records

Sub-series consists of records documenting Bolton's role as the DDO's Associate Director (1978-1994), Light Pollution Officer (1972 – 1997), supervisor of the 74-inch telescope (1974-1984) and darkroom (1976 – 1983), and Faculty Advisor to the DDO Librarian (1978-1979). Several files also pertain to Bolton's involvement in the DDO's Safety Committee, Shop Committee, Science/Instrumentation Committee, and DDO Review Committee. Records document the day-to-day administration of the DDO, including the hiring and management of staff, in addition to special projects and events, including summer tours, the Sir Gay Awards, and the Fiftieth Anniversary of the David Dunlap Observatory.

Sub-series is subdivided into three sections beginning with correspondence and employment-related records. Materials within these sections include correspondence and memoranda, position descriptions, letters of employment, and performance reviews.

The third section includes all remaining records. Records primarily include correspondence and memoranda, agendas and minutes, annual reports, progress reports, committee reports, a staff directory, and a logbook of weather conditions from 1935 – 1965. One file relates to the Dedication of the University of Toronto's Helen Sawyer Hogg Telescope and Helen Hogg's Memorial Tribute which contains correspondence, including letters belonging to Dr. Helen Hogg; programmes; speech drafts; obituaries; and materials related to Dr. Hogg's career.

Files related to the DDO's 50th Anniversary include proposals, celebration plans, a promotional poster, programmes for the ceremonies and special convocation associated with the opening of the DDO in 1935, and records related to the Local Organizing Committee for the 1985 Canadian Astronomical Society Meeting in Toronto 1985. There is also one file relating to the Dedication of the University of Toronto's Helen Sawyer Hogg Telescope and Helen Hogg's Memorial Tribute which contains correspondence, including letters belonging to Dr. Helen Hogg; programmes; speech drafts; obituaries; and materials related to Dr. Hogg's career.

Files related to light pollution are located at the end of the third section. The records document Bolton's light pollution in Richmond Hill as well as the work he has done with J.G. Laframboise and P.A. Delaney at the Petrie Observatory at York University. Records include correspondence, newspaper clippings, International Dark Sky Association Newsletters, light fixture test reports, technical drawings, and a copy of the Richmond Hill light pollution by-law.

For a file list, see [Sub-series 4.1: Administration and Committees in Appendix I.](#)

Note: Several records in this series include outdated language that has historically been used in relation to Indigenous peoples. While these records do not directly discuss or relate to Indigenous peoples, the language used is based off inappropriate and offensive stereotypes of Indigenous people.

Related material: Additional correspondence with DDO staff or related to the administration of the DDO is located in Series 2: Correspondence.

Additional records related to Bolton's light pollution work with the RASC are located in Sub-series 7.1: Committees and Conferences.

Arrangement: Sub-series is organized into 3 sections; files in the first two sections are arranged chronologically. Files in the third section are arranged chronologically followed by 8 files related to light pollution.

Access: Open with the exception of B2023-0003/005(19), (21), (23), (25), (28). These files have been restricted to protect the privacy of third parties. Please contact the University Archivist for additional information.

Boxes: B2023-0003/005(18) - /006(22)

Sub-series 4.2: Financial and Grants

1973 – 2008

0.32m of textual records

Sub-series consists of financial records and grant applications related to the operation of the David Dunlap Observatory between 1975 and 2008. Records document the costs associated with research and maintaining equipment. Files pertaining to the NSERC grant applications primarily relate to the acquisition and maintenance of an image processing facility and PDS Microdensitometer to digitize photographic plates. This facility was used not only by the DDO and the University of Toronto's Department of Astronomy, but also by astronomers and other scientists from around the world. Records include services and purchase orders, invoices, statements of accounts, grant applications and supporting materials, and correspondence.

For a file list, see [Sub-series 4.2: Financial and Grants in Appendix I.](#)

Related material: Additional records related to the acquisition, maintenance, and use of the PDS microdensitometer and other equipment at the DDO are located in Series 2: Correspondence and Sub-Series 4.3: Instruments, Computer Systems, and Programs.

Arrangement note: To conserve original order of the records, this sub-series has been organized into two sections based on contents: financial records and grant-related records. The first section has been arranged chronologically by the archivist, while the second section has been kept in its original order.

Staff appointment forms have been removed from the financial records files and placed into their own file.

Access: All files are open with the exception of B2023-0003/007(01). This file has been restricted to protect the privacy of third parties. Please contact the University Archivist for additional information.

Boxes: B2023-0003/007

Sub-series 4.3: Instruments, Computer Systems, and Programs

[ca. 1949]-[200-]

1.18m of textual records

Sub-series consists of records related to the astronomical instruments and computer systems used for research at the David Dunlap Observatory. Records document Bolton's efforts to maintain and modernize the DDO's instruments and computers through the acquisition, maintenance, and upgrades of equipment as well as the technical documentation and specifications for the equipment. Included are records related to the PDS microdensitometer, CCD camera, spectrographs, Grant Spectrum Comparator, VAX computers, and more. Records include correspondence and memoranda, product information sheets, research notes, test and calibration data, technical documents and instruction manuals, technical drawings, computer file directories for Bolton's and Fieldus' files, product and service quotes, purchase orders and invoices, and license agreements.

Several files also contain records documenting many of the computer programs that were used to record, process, and manipulate data. These files are often named after the program written in all capital letters. Records primarily include technical documents and both printed and hand-written FORTRAN program scripts. Some of the files also contain research data that was used with the programs.

For a file list, see [Sub-series 4.3: Instruments, Computer Systems, and Programs in Appendix I](#).

Related material: Additional correspondence, grant applications, and financial records related to the various instruments and computers at the DDO are located in Series 2: Correspondence, Subseries 4.2: Financial and Grants, and Series 5: Research and Publications.

Additional documentation of the instruments and computer systems at the DDO is located in Sous-fonds 2, Series 2: DDO and Research.

Arrangement: Most files are arranged in their original order, apart from a few files that were added into the series by the archivist.

Access: Open

Boxes: B2023-0003/008 - /011(18)
B2023-0003/032(05).01-(06).01

Series 5: Research and Publications

[ca. 1930] - [200-]

4.78m of textual records

Series consists of records related to Bolton's research and published work throughout his career. Records document most of his major investigations, including, but not limited to, his studies on Cygnus X-1; λ Eridani; the Algol System; the binary frequency of runaway OB stars; photospheres and magnetospheres of He-strong spectrum variables; and the fundamental properties of β and δ Cepheids and other variable stars. Many of the files also consist of records related to the thesis projects of students under Bolton's supervision, including Michel Fieldus and AST 425 undergraduate research projects. Intermixed with Bolton's records are files created and used by Ron Lyons, a telescope operator at the DDO, who assisted Bolton with his research. Records include correspondence with colleagues, collaborators, and publishers; observing cards; observing sheets; observation logs; line profiles; graphs of spectra; plate reductions; and other research documentation.

Included near the end of the series are files Bolton had inherited from John Heard, the director of the DDO from 1952 – 1965. These files are generally indicated by his last name in the original file title or in square brackets at the end of the title.

Series documents Bolton's publications written for peer-reviewed academic journals, for astronomical association work, as well as for general sources such as encyclopedias. Records also include other writing such as obituaries he wrote for Karl Kamper (former astronomer who worked at the DDO) and Michael Fieldus. The files at the very end of the series consist of collected sources and publications, including multiple issues of *The Hot Star Newsletter* and *the Be Star Newsletter*, and a copy of Sidney van der Bergh's *The Classification of Galaxies*.

For a file list, see [Series 5: Research and Publications in Appendix I](#).

Related material: Additional records related to Bolton's research and publications are located in Series 2: Correspondence and Series 4: David Dunlap Observatory.

Additional records documenting Michael Fieldus' research projects is located in Sous-fonds 2, Series 2: DDO and Research.

Arrangement: Files are arranged loosely and inconsistently based on project or HD star number. Files inherited by Heard are located near the end of the series, followed by collected sources.

Access: All files in this series are open with the exception of the following:

- B2023-0003/012(07), (09)
- B2023-0003/014(02), (06);
- B2023-0003/021(40);
- B2023-0003/024(18)

These have been restricted in order to protect third-party privacy. Please contact the University Archivist for additional information.

Boxes: B2023-0003/011(19) - /025(18)
B2023-0003/033

Series 6: Teaching and Public Education

[1970]–[200-]

0.64m of textual records

Series consists of records related to Bolton's teaching and public outreach activities from the 1970s to the early 2000s. Series is subdivided into two sections beginning with files related to courses he taught at the University of Toronto, Scarborough College, or Erindale College. Records document over 10 undergraduate and graduate level astronomy courses, including several of which he designed (AST 120, AST 321, AST 422, SCI 199). The courses cover a range of topics including introductory astronomy, solar system astrophysics, observational astrophysics, stellar atmospheres, and binary systems. Records include syllabi, course notes, lecture slides, handouts, examinations, assignments, problem sets, course evaluations, and some student work with feedback from Bolton.

The second section documents several invited lectures and public talks Bolton gave at departmental colloquia, events put on by local groups and astronomical societies, and institutions across Canada and the United States. His talks covered various topics including Comet Halley, Cygnus X-1 and the discovery of black holes, light pollution, instrumentation at the DDO, and star properties. Records include lecture outlines, speaking notes, and lecture slides and transparencies.

For a file list, see [Series 6: Teaching and Public Education in Appendix I](#).

Related material: Additional correspondence related to Bolton's invited lectures and public outreach is in Series 2: Correspondence.

Arrangement: Series is organized into two sections; the first section is arranged alphabetically by course code, followed by some miscellaneous course materials. The second section organized chronologically.

Access: All files are open with the exception of the following files:

- B2023-0003/026(10), (21)
- B2023-0003/027(05), (07)

These have been restricted to protect the privacy of third parties. Please contact the University Archivist for additional information:

Boxes: B2023-0003/025(19) - B2023-0003/027

Series 7: Professional Activities

1955 – 2007

0.5m of textual records

Series consists of records documenting Bolton's professional activities outside the University of Toronto. Records primarily relate to his involvement as a member of various committees and subcommittees for a broad range of professional associations, his advisory work, and presentations given at conferences, symposia, and workshops. Series also documents Bolton's work as a reviewer of manuscript proposals submitted to publishers and for proposals submitted to various funding agencies. Finally, the last sub-series specifically covers Bolton's publication reviews, when he served as a peer-reviewer for academic journals on astronomy.

Access: Open

Boxes: B2023-0003/028 - B2023-0003/029(33)

Sub-series 7.1: Committees and Conferences

1955 - 2007

0.32m of textual records

Sub-series primarily consists of records documenting Bolton's committee and scientific advisory work outside the University of Toronto. Included are records related to Bolton's involvement with the Canada-France-Hawaii Telescope Scientific Advisory Committee (1983 - 1985); Canadian Astronomical Society; International Astronomical Union (IAU) as a member of various divisions and commissions including Commission 30: Radial Velocities (1976 – 1988) and Commission 42: Close Binary Stars (1979 – 20??); the National Research Council of Canada's Associate Committee for Astronomy (ACA) (1981 – 1983), Subcommittee on Optical Astronomy (1983 – 1985), and Scientific Advisory Committee (SAC) for the Canadian Astronomical Data Centre (CADC)(1988 – 1990); PHOTON as the Honorary Director (1995 – 1998); and the Royal Astronomical Society of Canada (RASC) as Second Vice-President for Toronto Centre (1981 – 1984) and a member of the National Light Pollution Committee (1995 – 1997). There are also files related to conferences, symposiums, and workshops at which Bolton has presented. Records include correspondence, reports, transparencies for presentations, poster materials, speaking notes, member and attendee lists, newsletters, agendas and conference schedules, bibliographies, and a technical drawing for a spectrograph. There are also a couple photos of attendees of the IAU's Algol Colloquia and the NATO Advanced Workshop on Angular Momentum and Mass Loss for Hot Stars.

For file list, see [Sub-series 7.1: Committees and Conferences in Appendix I.](#)

Related material: Additional records related to Bolton's committee work, including his involvement as Coordinator of the IAU's International Observing Campaign on Cygnus X-1, can be found in Series 2: Correspondence and Series 5: Research and Publications.

Arrangement: Files are first arranged alphabetically by astronomical society or organizing body, then chronologically within each group.

Access: Open

Boxes: B2023-0003/028

Sub-series 7.2: Proposal Reviews

1977 – 2007

0.1m of textual records

Sub-series consists of records documenting Bolton's work as a scientific advisor and proposal reviewer. Records relate specifically to his involvement on the Telescope Observing Time Assignment Committees between 1977 and 2007 for the Canada-France-Hawaii Telescope, Observatorio Interamericano De Cerro Tololo (CTIO), Gemini Observatory, and NASA's International Ultraviolet Explorer. Additionally, records relate to his review of funding and grant proposals for the National Science Foundation, NSERC, and the Chilean Research Council (FONDECYT). There are also some files related to Bolton's review of proposals for research project at the Institute of Geophysics and Planetary Physics (IGPP) at Los Alamos and the development of an astronomy program at King Abdul Aziz University in Arabia. Records include correspondence, observing time proposal applications, grant applications, project proposals, and evaluation forms.

For file list, see [Sub-series 7.2: Proposal Reviews in Appendix I.](#)

Related material: Additional correspondence related to Bolton's review of proposals are located in Series 2: Correspondence.

Arrangement: Files are organized chronologically.

Access: Open

Boxes: B2023-0003/029(01) - (12)

Sub-series 7.3: Publication Reviews

1973 – 1996

0.08m of textual records

Sub-series consists of records related to peer referee work Bolton has done for the publishers of various academic journals, including the Astronomical Journal, Astronomy & Astrophysics, Astrophysical Letters, the Astrophysical Journal, Nature, and the Journal of the Royal Astronomical Society of Canada. Records include correspondence with publishers, journal editors, and authors; manuscripts: referee reports; and Bolton's notes.

For file list, see [Sub-series 7.3: Publication Reviews in Appendix I.](#)

Related material: Additional correspondence related to Bolton's peer reviews of manuscripts is located in Series 2: Correspondence.

Arrangement: Files are first arranged alphabetically by publisher, then chronologically within each group.

Access: Open

Boxes: B2023-0003/029(13) - (33)

Sous-fonds 2: Michael Fieldus sous-fonds

1977-1992

1.1m of textual records

1 photograph

Sous-fonds consists of records documenting the academic career of Michael Fieldus as a student at the University of Toronto, including his doctoral research and other activities conducted at the David Dunlap Observatory (DDO). Material includes, but is not limited to, correspondence with Bolton and other colleagues, academic writing, reports, observational data, research notes, and presentation slides. See series descriptions for additional information.

Related material: Additional records related to Fieldus and his research are located in Sous-fonds 1: Tom Bolton sous-fonds.

Arrangement: Records in Series 1 were given an imposed order as no consistent original order could be identified. Records in Series 2 were kept in the order in which the materials were received to preserve the relationships between the records.

Access: Open

Boxes:

Textual records: B2023-0003/029(34) - /032(01)-(04), (07)

Photograph: B2023-0003/001P(02)

Series 1: Personal and Biographical

1983-1990

0.1m of textual records

1 photograph

Series primarily consists of records documenting Michael Fieldus' academic career at the University of Toronto. The series begins with a CV and photograph of Fieldus followed by records that document his undergraduate and graduate education, including a course with Professor Stefan Mochnacki and his undergraduate thesis project which was supervised by Dr. Bolton. Records include syllabi, course notes; transparencies and slides for a presentation, essays and research papers, progress reports, a copy of his undergraduate thesis, reference materials, research notes and data, as well as correspondence and feedback from Dr. Bolton. There is also one file, which Fieldus had titled "Humour," placed at the end of the series containing correspondence, newspaper clippings, and drafts for the GASA Gossip column of the David Dunlap Doings.

For a file list, see [Series 1 in Appendix II](#).

Related material: Additional records documenting Fieldus' personal life, relationships, and the Michael Fieldus Memorial Award are located in Sous-fonds 1, Series 2: Correspondence. Additional records related to Fieldus' AST 425 undergraduate thesis project are located in Sous-fonds 1, Series 5: Research and Publications.

Arrangement: Education-related files are arranged chronologically.

Access: Open

Boxes:

Textual records: B2023-0003/029(34) - (41)

Photograph: B2023-0003/001P(02)

Series 2: DDO and Research

1977-1992

1.0m of textual records

Series consists of records documenting Fieldus' research and other activities at the David Dunlap Observatory (DDO). Records are primarily related to his doctoral research focused on the line profile variations in the spectra of B stars. Records also document Fieldus' publications, assessments and documentation of the DDO equipment, and workshops at which he presented or attended. Records include correspondence with colleagues and astronomers; observing time proposals; observation logs; research data, including graphs of spectra, observation sheets, and observing cards; research notes; poster materials; presentation slides; paper drafts; and documentation for DDO programs and equipment.

For a file list, see [Series 2 in Appendix II](#).

Related material: Additional records documenting Fieldus' research are located in Sous-fonds 1, Series 5: Research and Publications.

Arrangement: Files are maintained in their original order, but no consistent arrangement can be identified.

Access: Open

Boxes: B2023-0003/029(42) - 032(01)-(04), (07)

Appendix I – File listing – Tom Bolton sous-fonds

Series 1: Personal and Biographical

Personal and Professional Life

File number	File title	Date range
B2023-0003/001 (01)	Curriculum Vitae	1981-2001
B2023-0003/001 (02)	Tom-Employment	1969-1987
B2023-0003/001P(01)	Personal photographs	ca. 1974
B2023-0003/001 (03)	Review for Tenure	1975-1976
B2023-0003/001 (04)	Correspondence re research leave and LTD	1995-2001
B2023-0003/001 (05)	IDL Programing Certificate	1997
B2023-0003/001 (06)	Mental health research	2007

Post-secondary Education

File number	File title	Date range
B2023-0003/001 (07)	Astronomy 210 (University of Illinois)	1963-1964
B2023-0003/001 (08)	Astronomy 301: Introductory Astrophysics with Professor J.B. Kaler	1965
B2023-0003/001 (09)	Astronomy 302: Astrophysics of the Sun with Dr. J.R. Dickel	1966
B2023-0003/001 (10)	Astronomy 306: Foundations of Mechanics and Gravitational Theory with Professor G.C. McVittie	1965
B2023-0003/001 (11)	Astronomy 314	[196-]
B2023-0003/001 (12)	Astronomy 321: Stellar Systems I with Professor K.M. Yoss	1965
B2023-0003/001 (13)	Astronomy 322: Stellar Systems II with Professor S.P. Wyatt, Jr.	1965
B2023-0003/001 (14)	Astronomy 502: Astronomical Spectroscopy	1966
B2023-0003/001 (15)	Astronomy 503: Introductory Astrophysics	1966
B2023-0003/001 (16)	Astronomy 525: Stellar Statistics-Dynamics	[ca.1968]
B2023-0003/001 (17)	Astronomy 536: Introduction to Radio Astronomy	1966-1967
B2023-0003/001 (18)	Astronomy 542: Astronomical Photometry	[196-]
B2023-0003/001 (19)	Astronomy 604: Atmospheres of the Sun and Stars	1967
B2023-0003/001 (20)	Astronomy 605: Gaseous Nebula and Interstellar Medium	1967
B2023-0003/001 (21)	Astronomy 606: Stellar Structure and Evolution	1967
B2023-0003/001 (22)	Astronomy 624: Advanced Solar Physics	1967

File number	File title	Date range
B2023-0003/001(23)	Astronomy 801: Seminar in Stellar Spectroscopy	[196-]
B2023-0003/001(24)	Masters examination	1968
B2023-0003/002(01)	Physics 108	1963-1964
B2023-0003/002(02)	Physics 210	1963-1964

Series 2: Correspondence

File number	File title	Date range
B2023-0003/002(03)	Greeting Cards from friends, family, and colleagues	[ca. 1980] - [ca. 1990]
B2023-0003/002(04)	Correspondence - A [Abbott, D.; Adelman, S.; Albrecht, R. ...]	1967-1997
B2023-0003/002(05)	Aab, Olga Ernstova	1987-1988
B2023-0003/002(06)	Abt, Helmut	1966-1982
B2023-0003/002(07)	Aikmann, Chris	1975-1976
B2023-0003/002(08)	Correspondence - B [Bahcall, J.N.; Bachall, N.A.; Baldwin, B.W. ...]	1972-1990
B2023-0003/002(09)	Baade, Dietrich	1982-1984
B2023-0003/002(10)	Balona, L.A.	1985
B2023-0003/002(11)	Batten, Alan	1972-1986
B2023-0003/002(12)	Bidelman, William	1972-1980
B2023-0003/002(13)	Bopp, Bernard	1977-1983
B2023-0003/002(14)	Correspondence - C [Cameron, A.G.W.; Campbell, B.; Canadian Association of Physicists ...]	1972-2003
B2023-0003/002(15)	Cowley, Anne & Cowley, Charles	1972-1985
B2023-0003/002(16)	Crampton, David	1972-1984
B2023-0003/002(17)	Correspondence - D-F [Datasaab Control, Fack; de la Fosse, J.B.; de Loore, C. ...]	1972-2005
B2023-0003/002(18)	Fekel, Francis	1977-1984
B2023-0003/002(19)	Feldman, Paul	1972-1980
B2023-0003/002(20)	FDS [Fieldus, Michael] Family	1993-1994
B2023-0003/002(21)	Fraquelli, Dorothy	1981-1984
B2023-0003/002(22)	Fraquelli, Dorothy [personal greeting cards]	[ca.197-?]
B2023-0003/002(23)	Fraquelli, Dorothy [personal correspondence]	1976-1980
B2023-0003/002(24)	Fullerton, A.	1990-1991
B2023-0003/002(25)	Correspondence - G [Gada, A; Gandet, T.; Garmony, K. ...]	1970-2000

File number	File title	Date range
B2023-0003/002(26)	Gies, Douglas R.	1985-1996
B2023-0003/002(27)	Gulliver, Austin	1977-1981
B2023-0003/002(28)	Correspondence - H-I [Hackney, R.; Hackney, K.; Halliday, L. ...]	1969-1996
B2023-0003/002(29)	Hall, D.	1976-1988
B2023-0003/002(30)	Harmenec, Petr	1975-1981
B2023-0003/002(31)	Harmenec, Petr	1982-1984
B2023-0003/002(32)	Harmenec, Petr [Part 1 of 2]	1975-1985
B2023-0003/002(33)	Harmenec, Petr [Part 2 of 2]	1986-1994
B2023-0003/002(34)	Harris, Gretchen	1974-1978
B2023-0003/002(35)	Harris, Mary	1973-1975
B2023-0003/002(36)	Correspondence re E.M. Hendry's controversial papers in the Astronomical Journal	1978-1984
B2023-0003/002(37)	Hill, Graham	1973-1983
B2023-0003/002(38)	Hoag, Arthur A.	1967-1974
B2023-0003/002(39)	Huang, Lin	1989-1991
B2023-0003/002(40)	Hube. Douglas P.	1972-1988
B2023-0003/002(41)	Hurkens, Roel	1974-1980
B2023-0003/003(01)	Hutchings, John	1973-1978
B2023-0003/003(02)	Irwin, Alan	1981-1988
B2023-0003/003(03)	Jeffers, Stanley	1976
B2023-0003/003(04)	Correspondence - J-K [Jewison, M.; Johnson, P.; Jones, G.A. ...]	1971-1993
B2023-0003/003(05)	Jeong, Jang Hae	1985-1986
B2023-0003/003(06)	Kemp, James C.	1977-1987
B2023-0003/003(07)	King, Ivan R.	1976-1979
B2023-0003/003(08)	Koubsky, Pavel	1984-1989
B2023-0003/003(09)	Kundt, Wolfgang	1988-1989
B2023-0003/003(10)	Correspondence, L [Larsson-Leander, G.; La Sala, J.; Lasker, B.M. ...]	1972-1994
B2023-0003/003(11)	Lane, Mary	[ca. 1978]
B2023-0003/003(12)	LoPresto, Jim C.	1975-[199-]
B2023-0003/003(13)	Lyons, Ron and Lynde	1979-1989
B2023-0003/003(14)	Correspondence - M [Part 1 of 2: Marlin Travel; Martell, B.; MacConnell, D.J. ...]	1972-1992
B2023-0003/003(15)	Correspondence - M [Part 2 of 2: Michalsky, J.; Michaud, G.; Mihalas, D. ...]	1969-2006

File number	File title	Date range
B2023-0003/003(16)	Marks, Dennis	1976-1987
B2023-0003/003(17)	Correspondence, N-O [Newell, B.; Nicholls, R.W.; Nippak, T. ...]	1973-1997
B2023-0003/003(18)	Correspondence re NASA Large Telescope	1976
B2023-0003/003(19)	Odell, Andrew P.	1985
B2023-0003/003(20)	Correspondence - P-R [Palsson, R.I.; Panko, G.P.; Parker, B. ...]	1967-1999
B2023-0003/003(21)	Penrod, G. Donald	1983-1988
B2023-0003/003(22)	Perkin Elmer Corporation	1972-1978
B2023-0003/003(23)	Correspondence - R [Racine, R.; Rajamohan, R.; Reid, A. ...]	1973-1996
B2023-0003/003(24)	Ralph, John [includes photographs, see B2023-0003/001P(03)]	1977-1986
B2023-0003/003(25)	Ring, J.	1977-1979
B2023-0003/003(26)	Rogers, G. Lars	1976-1977
B2023-0003/003(27)	Rucinski, Slavek	1977-1989
B2023-0003/003(28)	Rucinski Emergency	1982-1984
B2023-0003/003(29)	Correspondence - S [Sainte-Marie, G.; Sanchez Lavega, A.; Sandford, P. ...]	1967-2005
B2023-0003/003(30)	Shore, Steven N.	1978-2004
B2023-0003/003(31)	Smith, Myron	1971-1986
B2023-0003/003(32)	Štefl, Stanislav	1988-1996
B2023-0003/003(33)	Correspondence - T-U [Taylor, D.R.; Tchobanoff, R.N.; Toronto Star...]	1976-1991
B2023-0003/003(34)	Turner, Dave	1977
B2023-0003/003(35)	Correspondence - V-W [van den Bergh, S.; Vanden Bowt, P.; van den Henvel, E.P.J.]	1972-1992
B2023-0003/003(36)	Walborn, Nolan	1974-1986
B2023-0003/003(37)	Walker, E.N.	1975-1987
B2023-0003/003(38)	West, Frederick R.	1970-1974
B2023-0003/003(39)	Correspondence - X-Z	1973-1985
B2023-0003/003(40)	Correspondence - Lay Public and Cranks	1973-1991
B2023-0003/004(01)	Letters of Recommendation - A-I [RESTRICTED]	1975-2007
B2023-0003/004(02)	Bohlender, D. [RESTRICTED]	1988-1996
B2023-0003/004(03)	Crowe, Richard [RESTRICTED]	1984
B2023-0003/004(04)	Evans, Nancy [RESTRICTED]	1980-1992
B2023-0003/004(05)	Fieldus, Michael [RESTRICTED]	1986-1989
B2023-0003/004(06)	Fraquelli, Dorothy [RESTRICTED]	1979-1984
B2023-0003/004(07)	Fullerton, Alexander [RESTRICTED]	1980-1998

File number	File title	Date range
B2023-0003/004(08)	Gies, Douglas R. [RESTRICTED]	1979-1988
B2023-0003/004(09)	Grieve, Gerald R. [RESTRICTED]	1982-1983
B2023-0003/004(10)	Letters of Reference J-M [RESTRICTED]	1972-2001
B2023-0003/004(11)	Jakate, Shyam [RESTRICTED]	1977-1979
B2023-0003/004(12)	Lane, Mary [RESTRICTED]	1981
B2023-0003/004(13)	Lyons, Ron [RESTRICTED]	1988-1989
B2023-0003/004(14)	Marks, Dennis [RESTRICTED]	1976-1988
B2023-0003/004(15)	McGonegal, Richard [RESTRICTED]	1977-1982
B2023-0003/004(16)	Letters of Recommendation, N-S [RESTRICTED]	1972-2007
B2023-0003/004(17)	Richards, Mercedes [RESTRICTED]	1981-1987
B2023-0003/004(18)	Rucinski, Slavek [RESTRICTED]	1985-1991
B2023-0003/004(19)	Stagg, Christopher [RESTRICTED]	1985-1987
B2023-0003/004(20)	Štefl, Stanislav [RESTRICTED]	1990
B2023-0003/004(21)	Shore, Steven N. [RESTRICTED]	1977-2000
B2023-0003/004(22)	Letters of Recommendation, T-Z [RESTRICTED]	1972-2007
B2023-0003/004(23)	Venn, Kimberly Ann (Includes Student Report) [RESTRICTED]	1986-1990
B2023-0003/004(24)	West, Frederick [by Heard] [RESTRICTED]	1970-1976

Series 3: University of Toronto Department of Astronomy

Sub-series 3.1: Departmental Activities

File number	File title	Date range
B2023-0003/004(25)	Departmental notices and memoranda 1970-1973	1970-1973
B2023-0003/004(26)	GASA teaching evaluations and curriculum reviews	1970-1985
B2023-0003/004(27)	Departmental notices and memoranda 1973-1976	1973-1976
B2023-0003/004(28)	Department of Astronomy Outlines for Graduate Courses for 1975-1976	1975
B2023-0003/004(29)	Committee on the Replacement for Sidney van der Bergh	1977
B2023-0003/004(30)	"Effective Astronomy Teaching and Student Reasoning" / Task Force on Education in Astronomy	1978
B2023-0003/004(31)	Nestegg Committee [Chant Committee]	1978-1980

File number	File title	Date range
B2023-0003/004(32)	Correspondence and PhD Examination Committee reports [RESTRICTED]	1979-1989
B2023-0003/004(33)	Search Committee 1981	1981
B2023-0003/004(34)	Staff meeting minutes [Department of Astronomy]	1981-1988
B2023-0003/004(35)	Departmental notices and memoranda 1981-1987 [Part 1 of 2]	1981-1985
B2023-0003/004(36)	Departmental correspondence	1981-2006
B2023-0003/004(37)	Departmental notices and memoranda 1981-1987 [Part 2 of 2]	1986-1987
B2023-0003/004(38)	Executive Committee	1983-1984
B2023-0003/004(39)	CITA Newsletters	1987-1988
B2023-0003/004(40)	Departmental memoranda, reports, and minutes	1987-1989
B2023-0003/005(01)	DA Future/Chile Telescope [Part 1 of 2]	1987-1988
B2023-0003/005(02)	DA Future/Chile Telescope [Part 2 of 2]	1988-1993
B2023-0003/005(03)	Introduction to the U of T Physics and Astronomy SUN Computers	1988
B2023-0003/005(04)	Tri - University 3.5m Telescope [Part 1 of 2]	1989
B2023-0003/005(05)	Tri - University 3.5m Telescope [Part 2 of 2]	1988-1989
B2023-0003/005(06)	Departmental memoranda, reports, and minutes	1990-2004
B2023-0003/005(07)	Annual Activity and Administrative Accountability Reports	1991-2005
B2023-0003/005(08)	Review of the Faculty of Arts and Science	2004

Sub-series 3.2: Thesis Supervisions and Assessments

File number	File title	Date range
B2023-0003/005(09)	Fieldus, Michael [RESTRICTED]	1989-1991
B2023-0003/005(10)	Fullerton, Alex W. [RESTRICTED]	1989-1990
B2023-0003/005(11)	Gies, Douglas R. [RESTRICTED]	1984-1985
B2023-0003/005(12)	Hendry, Paul [RESTRICTED]	1991-1992
B2023-0003/005(13)	Irwin, Alan W. [RESTRICTED]	1978
B2023-0003/005(14)	Jakate, Shyam [RESTRICTED]	[197-]
B2023-0003/005(15)	Richards, Mercedes [RESTRICTED]	1983-1986
B2023-0003/005(16)	Robert, Carmelle [external] thesis review [RESTRICTED]	1991-1992
B2023-0003/005(17)	Tyncer, Christopher [RESTRICTED]	2003

Series 4: David Dunlap Observatory

Sub-series 4.1: Administration and Committees

Correspondence

File number	File title	Date range
B2023-0003/005(18)	DDO memos and correspondence	[197-]-1994
B2023-0003/005(19)	DDO correspondence and memos [RESTRICTED]	1983-2000
B2023-0003/005(20)	Correspondence re McDonald Conservatory	1992-1994
B2023-0003/005(21)	Correspondence with Dave Earlam [RESTRICTED]	[197-]

Employment

File number	File title	Date range
B2023-0003/005(22)	Position descriptions	[197-]-1988
B2023-0003/005(23)	Letters of employment and correspondence with applicants [RESTRICTED]	1973-2007
B2023-0003/005(24)	Telescope Operator Applicants 1978	1979
B2023-0003/005(25)	Ron Lyons [correspondence] [RESTRICTED]	1974-1988
B2023-0003/005(26)	New Research Assistant	1987-1988
B2023-0003/005(27)	74 inch Night Assistants [correspondence and memos]	1984-1989
B2023-0003/005(28)	74 inch Night Assistants [correspondence, applications, performance reviews] [RESTRICTED]	1976-1990

Committees and Misc.

File number	File title	Date range
B2023-0003/005(29)	Observing Weather	1935-1965
B2023-0003/005(30)	Communications from the David Dunlap Observatory, Vol. 1-9, No. 1-450, 1938-1975	[ca. 1975]
B2023-0003/005(31)	Sir Gay Awards	1973-1983
B2023-0003/005(32)	Ontario Heritage Act Richmond Hill Architectural Conservation Advisory Committee	1974-1977
B2023-0003/005(33)	NRC Canadian Time Service Bulletin TF-B-56 to TF-B-72	1975-1976

File number	File title	Date range
B2023-0003/005(34)	Darkroom	1975-1978
B2023-0003/005(35)	DDO Summer Tours and Open Houses [CONTENT WARNING: This item includes derogatory language concerning Indigenous Peoples]	1977-1981
B2023-0003/005(36)	Shop [Part 1 of 2]	1978-1982
B2023-0003/005(37)	Shop [Part 2 of 2]	1978-1983
B2023-0003/005(38)	1.88m Telescope Productive Study	1980
B2023-0003/005(39)	DDO Defence	1980-1982
B2023-0003/005(40)	Library	1978-1983
B2023-0003/006(01)	Sprinkler Project	1981-1982
B2023-0003/006(02)	Safety Committee agendas, minutes, memoranda, and correspondence	1981-1989
B2023-0003/006(03)	Library Review	1982-1983
B2023-0003/006(04)	Fundraising [50th Anniversary and DDO-RASC relationship]	1982-1986
B2023-0003/006(05)	Shop Team	1983-1988
B2023-0003/006(06)	Golden Anniversary [50TH Anniversary of DDO and CASCA 1985 Local Organizing Committee]	1935, [1985]
B2023-0003/006(07)	DDO Science/Instrumentation Committee	1985-1991
B2023-0003/006(08)	David Dunlap Observatory Annual Reports	1986-1991
B2023-0003/006(09)	DDO Review	1988-1990
B2023-0003/006(10)	DDO Property	1992-1993
B2023-0003/006(11)	DDO Review Committee	1992-1993
B2023-0003/006(12)	H.S. Hogg [Helen Sawyer Hogg]	1992-1993
B2023-0003/006(13)	DDO Directory	1993
B2023-0003/006(14)	Safety Committee agendas, minutes, memoranda, and correspondence	1990-1993
B2023-0003/006(15)	Light Pollution	1989-1995
B2023-0003/006(16)	International Dark-Sky Association	1993-2003
B2023-0003/006(17)	Newspaper and magazine [clippings re light pollution]	[197-]
B2023-0003/006(18)	Newspaper and magazine [clippings re light pollution]	[197-]
B2023-0003/006(19)	Newspaper and magazine [clippings re light pollution]	[198-] - [199-]

File number	File title	Date range
B2023-0003/006(20)	Newspaper and magazine [clippings re light pollution]	[198-] - [199-]
B2023-0003/006(21)	FLAP-Lights-OUT Toronto Initiative and Collision Course: Lights at Night - A Threat to Migration Birds	2005
B2023-0003/006(22)	Petrie Observatory light pollution	1994-2006

Sub-series 4.2: Financial and Grants

Financial Records

File number	File title	Date range
B2023-0003/007(01)	Staff Appointment forms [RESTRICTED]	1973-1987
B2023-0003/007(02)	Bolton NRC A6389 3-640-104-50 1975-78 [financial records]	1975-1978
B2023-0003/007(03)	Bolton 1978/79/80 3-640-104-40 [financial records]	1976-1980
B2023-0003/007(04)	Bolton 1978/79/80 3-640-104-50 [financial records]	1978-1979
B2023-0003/007(05)	Bolton E4303 DDO Microdensitometer system 3-635-104-13 [financial records]	1979-1982
B2023-0003/007(06)	Bolton 3-640-104-50 1980-86 [financial records]	1980-1986
B2023-0003/007(07)	Bolton Core 1980-84 3-640-104-40 [financial records]	1980-1984
B2023-0003/007(08)	Bolton Op. 83-84 3-640-104-50 [financial records]	1983-1984
B2023-0003/007(09)	Bolton Core 1984-87 3-640-140-40 [financial records]	1984-1987
B2023-0003/007(10)	Bolton Op. 1986- 3-640-104-50	1986-1987
B2023-0003/007(11)	Bolton 3-640-104-50 87/88 [financial records]	1987-1988
B2023-0003/007(12)	Statement of Accounts	2008

Grants

File number	File title	Date range
B2023-0003/007(13)	NSERC Infrastructure grant program review	1986-1987
B2023-0003/007(14)	NSERC Application 1988	1988
B2023-0003/007(15)	NSERC 1991	1991
B2023-0003/007(16)	PDS Publications	[197-] - 1988

File number	File title	Date range
B2023-0003/007(17)	NSERC Core and Infrastructure Grant applications	1977-1990
B2023-0003/007(18)	PDS memos and letters	1980-1987
B2023-0003/007(19)	PDS progress reports, proposals, and testimonials	1976-1981
B2023-0003/007(20)	1990 Infrastructure Grant application	1990
B2023-0003/007(21)	SCI SAT-95	1994-1995
B2023-0003/007(22)	PDS Usage	1979-1990
B2023-0003/007(23)	PDS Capital Grant proposal	1974-1975
B2023-0003/007(24)	NRC/NSERC Capital Grant applications	1978
B2023-0003/007(25)	NRC/NSERC Awards announcements	1972-1996
B2023-0003/007(26)	NRC Applications 1977	1976-1977
B2023-0003/007(27)	1978 Co-op application	1978
B2023-0003/007(28)	1978 PDS Core Grant application	1978-1979
B2023-0003/007(29)	NRC Operating Grant applications [Part 1 of 2]	1972-1989
B2023-0003/007(30)	NRC Operating Grant applications [Part 2 of 2]	1972-1989

Sub-series 4.3: Instruments, Computer Systems, and Programs

File number	File title	Date range
B2023-0003/008(01)	BLN Current Directory	[198-]
B2023-0003/008(02)	HP - 97 Programs	[197-]
B2023-0003/008(03)	DDO CCD [Part 1 of 2]	1989-1990
B2023-0003/008(04)	DDO CCD [Part 2 of 2]	1989-1990
B2023-0003/008(05)	The AASTEX LATEX 2 ϵ Macros for Manuscript Preparation	[199-] - [200-]
B2023-0003/008(06)	CALCOMP	1980
B2023-0003/008(07)	74-inch Spectrograph Tests	[197-]
B2023-0003/008(08)	Equipment documentation	1960-1980
B2023-0003/008(09)	PDS [correspondence and research re upgrade]	1987-1991
B2023-0003/008(10)	CMMAINN (Morbey)	[ca.1979-1981]
B2023-0003/008(11)	SLAC unified graphics documentation	1978
B2023-0003/008(12)	SBCM	1979-1980
B2023-0003/008(13)	SBCM Plot Routine	1970-1990
B2023-0003/008(14)	Running plot programs	1980
B2023-0003/008(15)	Perser	1979
B2023-0003/008(16)	PFINDR	[ca.1970]

File number	File title	Date range
B2023-0003/008(17)	Vax System Computer terminal information	[ca. 1970]
B2023-0003/008(18)	Program and Data Transferring	1979-1981
B2023-0003/008(19)	Calculator Programs	[197-] - [198-]
B2023-0003/008(20)	Light Curve Synthesis Program	1980
B2023-0003/008(21)	Orbit 1	[ca. 1979-1981]
B2023-0003/008(22)	Misc. Computer Programs	[ca. 1981]
B2023-0003/008(23)	SBCM and SBBG	[199-]
B2023-0003/008(24)	Reticient - A Command Language for Manipulating Spectrophotometric Data/ adapted and modified for Vax by Stefan Mochnacki	Oct. 1983
B2023-0003/008(25)	RADVEL	1979
B2023-0003/008(26)	BLNBAC - Bln Backup Listings	1980-1981
B2023-0003/008(27)	Atlas 9	1999
B2023-0003/008(28)	TPT DSK	1979
B2023-0003/008(29)	Tex Macros	1989-1999
B2023-0003/008(30)	Bolton-Fieldus Computer file directory	1995
B2023-0003/008(31)	Bolton-Fieldus Computer file directory	1995
B2023-0003/008(32)	Spot Sensitometer Calibration 7/79	1979
B2023-0003/008(33)	Grant documentation	[1967-1979]
B2023-0003/008(34)	Grant tests	1977
B2023-0003/008(35)	Grant measuring engine - periodic error	[ca. 1977]
B2023-0003/008(36)	Grant Measuring Engine	1967-[197-]
B2023-0003/008(37)	Test of PDS RV	[197-]
B2023-0003/008(38)	PDS Astrometry KK	1974-1983
B2023-0003/008(39)	Data files- standard scans	[198-]
B2023-0003/008(40)	Data files - Calibration masks	[198-]
B2023-0003/008(41)	Data files - standard position records	[197-]
B2023-0003/008(42)	Arc wavelengths	[ca. 1981]
B2023-0003/008(43)	RV line lists	[198-]
B2023-0003/008(44)	[Misc]? Arc Cont. Lists	[197-] - [198-]
B2023-0003/008(45)	Radial velocity line lists	[ca. 1968-1984]
B2023-0003/009(01)	Correspondence re research and PDS	1975-1985
B2023-0003/009(02)	Calibration masks	[ca. 1975]
B2023-0003/009(03)	HD 127 665	1975

File number	File title	Date range
B2023-0003/009(04)	IDL FITS - CFHT	[ca. 1980-1982]
B2023-0003/009(05)	PDS	1976-1979
B2023-0003/009(06)	Info for PDS Programs	1980-1984
B2023-0003/009(07)	FOCUS	1979
B2023-0003/009(08)	EQUID	1978-1985
B2023-0003/009(09)	Special E. Per Program	[197-] - [198-]
B2023-0003/009(10)	DSKTP	[197-] [198-]
B2023-0003/009(11)	CROSS	[ca. 1981]
B2023-0003/009(12)	COMPAR	1982
B2023-0003/009(13)	Correlation programs (obsolete)	[197-] - [198-]
B2023-0003/009(14)	CAT and BOOST	1981-1982
B2023-0003/009(15)	IRIS working copies	[197-] - [198-]
B2023-0003/009(16)	IRISR [and KPNO ASP Program System Users Manual]	[1976-1980]
B2023-0003/009(17)	IRISDR	1980-1987
B2023-0003/009(18)	IRISIN	1987
B2023-0003/009(19)	HP Graphics DEC8 to HP	1980-1982
B2023-0003/009(20)	REDUCT 1980/81	1980-1982
B2023-0003/009(21)	IUE Programs	1981-1982
B2023-0003/009(22)	RAVRAG (IRIS Program)	1981
B2023-0003/009(23)	W Cent [omeg Cenatauri]	[197-]
B2023-0003/009(24)	REDUCT	1975
B2023-0003/009(25)	MASKRW	1975-1979
B2023-0003/009(26)	NORM	1982
B2023-0003/009(27)	PLOT	[197-] - [198-]
B2023-0003/009(28)	POWER	1981
B2023-0003/009(29)	RETICON IDL	[1978]
B2023-0003/009(30)	RDDSK	1980
B2023-0003/009(31)	PDS Fortran Mag Tape Utilities	[197-]
B2023-0003/009(32)	SPSCAL	1981
B2023-0003/009(33)	Old program versions of important programs	[197-]
B2023-0003/009(34)	CAREDU	1975
B2023-0003/009(35)	System Work	[197-]
B2023-0003/009(36)	IUERD	[1973-1981]
B2023-0003/009(37)	Zeta (zeta software)	[ca. 1979]
B2023-0003/009(38)	SETUP	1979

File number	File title	Date range
B2023-0003/009(39)	Documentation Misc.	[197-] - [198-]
B2023-0003/009(40)	RETICON 74	[ca. 1980-1984]
B2023-0003/009(41)	Reticon Software Campbell to Bill	1975
B2023-0003/009(42)	RLINE	[197-] - [198-]
B2023-0003/009(43)	ROTPRO rot. broad, program	[197-] - [198-]
B2023-0003/009(44)	VAX 8 > VAX	[197-] - [198-]
B2023-0003/009(45)	Weller Programs SIT VIDICON	[197-] - [198-]
B2023-0003/009(46)	Zeta Diagram details	[198-]
B2023-0003/010(01)	19 " UVBY β Photometry Program Documentation	1980-1982
B2023-0003/010(02)	Ephemerides program	[197-] - [198-]
B2023-0003/010(03)	19" UBVRI Photometry Program Documentation	1980
B2023-0003/010(04)	19" H β Photometry Program Documentation	[198-]
B2023-0003/010(05)	Stromgren Photometry - Gen	1978
B2023-0003/010(06)	VAX - Morbey's PFINDER Program	1979
B2023-0003/010(07)	IDL/IUE U of T Implementation and Libraries	1982
B2023-0003/010(08)	IDL	1982
B2023-0003/010(09)	IDL/IUE	[197-] - [198-]
B2023-0003/010(10)	IDL/IUE correspondence, license implementation notes	1982
B2023-0003/010(11)	IDL/IUE	1982
B2023-0003/010(12)	IUE Listings of Fortran Routines	1982
B2023-0003/010(13)	1987 IUE Implementation	1987
B2023-0003/010(14)	Misc. notes programs	[197-] - [198-]
B2023-0003/010(15)	PLVEL	1971-1983
B2023-0003/010(16)	ACOREL DSKIO	[198-]
B2023-0003/010(17)	System problems	[198-]
B2023-0003/010(18)	Non linear least squares	[198-]
B2023-0003/010(19)	Program listings SBCM STCM	1971-1980
B2023-0003/010(20)	UTPLOT	1987
B2023-0003/010(21)	SBCM Debugging notes	1980-1982
B2023-0003/010(22)	DAO version of REDUCT	1977
B2023-0003/010(23)	Special Zeta Programs	[198-]
B2023-0003/010(24)	ZDRAFT	1971-1982
B2023-0003/010(25)	Misc. data	[197-] - [198-]

File number	File title	Date range
B2023-0003/010(26)	WINK	1972-1978
B2023-0003/010(27)	Misc. programs and data	[197-]
B2023-0003/010(28)	Light curve synthesis à la Wilson and Devinney [Part 1 of 2]	1963 - [198-]
B2023-0003/010(29)	Light curve synthesis à la Wilson and Devinney [Part 2 of 2]	1973-1980
B2023-0003/010(30)	Period finding programs	[197-]
B2023-0003/010(31)	Line profile calculations - J.B. Hutchings	1972-1980
B2023-0003/010(32)	Gary Wicks memorial program file	[197-] - [198-]
B2023-0003/011(01)	SBCM [DR Vulpeculae]	[ca. 1980]
B2023-0003/011(02)	Spectroscopic Binary Orbital elements	1976-1994
B2023-0003/032(05) .01	Series DDO	[197-] - [198-]
B2023-0003/011(03)	RV Wavelength Lists and RVS factors	1971-1977
B2023-0003/011(04)	DDO Wavelengths and provisional settings for spectrograms	[ca. 1949- 1966]
B2023-0003/011(05)	FE Arc and Th-Ne Arc Wavelengths	1975-1988
B2023-0003/011(06)	Standard velocity stars - Measures 74-inch	1968-1984
B2023-0003/011(07)	Data Processing	1980-1986
B2023-0003/011(08)	PDS-CCBS programs [PDS RSXII-D documentation]	1977-1978
B2023-0003/011(09)	PDS Upgrade	1975-1988
B2023-0003/032(06) .01	Kitt Peak National Observatory Schematic Diagrams	1984-1985
B2023-0003/011(10)	PDS - Log ADC 8020 L DAC I 10B	[198-]
B2023-0003/011(11)	Log Amp	[198-]
B2023-0003/011(12)	PDS Upgrade	1984-1985
B2023-0003/011(13)	SCAN	1975
B2023-0003/011(14)	SETSCN	[1975-1976]
B2023-0003/011(15)	Spot sensitometer	1975-1981
B2023-0003/011(16)	Correspondence re new instruments and research programs	[1995-1999]
B2023-0003/011(17)	Computing Services agreements, equipment orders, and licenses	1972-2007
B2023-0003/011(18)	Misc. DDO	[197-] - [200-]

Series 5: Research and Publications

T. Bolton and R. Lyons' Files

File number	File title	Date range
B2023-0003/011(19)	Observation Log April, 1967-	1967-1971
B2023-0003/011(20)	Spectral Synthesis and Elste Programs	1969-1970
B2023-0003/011(21)	Normal Abundances	1969-1970
B2023-0003/011(22)	Metallic line abundances	1969
B2023-0003/011(23)	High velocity stars in particular orbits	[196-]
B2023-0003/012(01)	University of Michigan [data, drafts, and correspondence]	1966-1977
B2023-0003/012(02)	RV measures log	1967
B2023-0003/012(03)	Radial velocity standards	[196-] - [197-]
B2023-0003/012(04)	Research ideas	1965 - [197-]
B2023-0003/012(05)	"Orbital Elements for the Double-Line Spectroscopic Binaries HD 104451 and HD 141458"	1982
B2023-0003/012(06)	HD 141458	1979-1981
B2023-0003/012(07)	"The orbit of the Spectroscopic Binary Star HD 141458"/Gary Wayne Wicks [RESTRICTED]	1973
B2023-0003/012(08)	HD 137569	[ca.1980]
B2023-0003/012(09)	HD 137569 ["HD 137569: A Population II UV-Bright Spectroscopic Binary"] [RESTRICTED]	1980-1981
B2023-0003/012(10)	HD 104451	1980
B2023-0003/012(11)	HD 86590 ["HD 86590: A Short Period RS Canum Venaticorum Binary System"/C.T. Bolton Z. Aslan, K.W Kamper, and R.W. Lyons]	1980-1981
B2023-0003/012(12)	HD86590	1973-1980
B2023-0003/012(13)	HD 149757 ζ oph	[ca. 1992]
B2023-0003/012(14)	HD 65041 ["The Orbit of HD 65041"/R.W. Lyons]	1989
B2023-0003/012(15)	HD 34656 ["Detection of Small Amplitude Pulsations in HD 34656 (07 II) / A.W. Fullerton, D.R. Gies, and C.T. Bolton]	1990-1991
B2023-0003/012(16)	HD 30614 Campaign Logbook Records	1994
B2023-0003/012(17)	HD 30869 SBCM Run	1980
B2023-0003/012(18)	9 Aur D [9 Aurigae D]	1992
B2023-0003/012(19)	HD 25799 [Part 1 of 2]	[1981-1987]
B2023-0003/012(20)	HD 25799 [Part 2 of 2]	1981-1987
B2023-0003/012(21)	HD 25799 Manuscripts ["On the Period and Nature of Light and Radial Velocity Variations of HD 25799"/S.L. Morris, C.T. Bolton, and J.R. Percy]	1987-1988
B2023-0003/012(22)	HD 25799 Correspondence and Memos	1983-1988

File number	File title	Date range
B2023-0003/012(23)	Xi Per = HD 24219 [Goddard High Resolution Spectrograph Observations of Low Velocity Narrow Discrete Stellar Wind Absorption Features in the Ultra Violet Spectrum of the 07.5 III Star ξ Persei"/S.N. Shore, B. Altner, C.T. Bolton, J.A. Cardelli, and Dennis Ebbets]	1990-1992
B2023-0003/012(24)	X Per	1972-1974
B2023-0003/012(25)	Radio Stars ["Radio Luminosities of Binary Radio Stars"/ C.T. Bolton]	1975
B2023-0003/012(26)	Radio Luminosities of Binary Radio Stars	[197-]
B2023-0003/012(27)	1972 Supernova in NGC 5253	[ca. 1972]
B2023-0003/012(28)	3u 1700-37 + 3u 0900-40	1973
B2023-0003/012(29)	"The Binary Frequency of the OBN and OBC Stars"/C.T. Bolton and G.L. Rogers	1977
B2023-0003/012(30)	3u 1700-37	1974
B2023-0003/012(31)	Zetathon ["Time-Series Observations of O Stars"]	1991-1993
B2023-0003/013(01)	Zetathon [IUE and CTIO Proposals Wind Variability of Zeta Oph (ζ Ophiuchi) and zeta Pup (ζ Puppis)]	1987-1989
B2023-0003/013(02)	HD 149757 = ζ Ophiuchi [Time series observations of O stars - zeta papers II and III]	1992
B2023-0003/013(03)	HR [HD 163472]	1975-1978
B2023-0003/013(04)	HD 186688 = SU Cygni [Part 1 of 2]	1981-1987
B2023-0003/013(05)	HD 186688 = SU Cygni [Part 2 of 2]	1981-1987
B2023-0003/013(06)	HD 1913322 AB	1993
B2023-0003/013(07)	Nova Cygni 1975 = V1500 Cygni	1975-1976
B2023-0003/013(08)	HD 217675 = O And	[197-] - [198-]
B2023-0003/013(09)	D. Geis + Runaway OB Stars	1981-1984
B2023-0003/013(10)	Pallas Occultation	[ca. 1978]
B2023-0003/013(11)	Asteroid Occultations	[198-]
B2023-0003/013(12)	Wilson - Bappn Effect	1967-1974
B2023-0003/013(13)	Period Changes [The Effects of Magnetic Fields on Period Changes, Mass Transfer, and Evaluation of Algol Binaries]	1989
B2023-0003/013(14)	Be Star Campaign 1981- [including IUE S9 Cygni project]	1980-1985
B2023-0003/013(15)	OBN/OBC Program	1978-1983
B2023-0003/013(16)	Fln Ph.D. Thesis	1983-1989
B2023-0003/013(17)	A Search for Non Radial Pulsations among the O Stars [CFHT proposal]	[198-]

File number	File title	Date range
B2023-0003/013(18)	HD 37479 / σ Ori [sigma Ori]	1974-1985
B2023-0003/013(19)	α^2 and α^1 Librae [HD 130841 and HD 130819]	1971-1985
B2023-0003/013(20)	ξ Dra [Xi Draconis] HD 16588	1984
B2023-0003/014(01)	α^2 Lib [HD 130841]	1973
B2023-0003/014(02)	AST 425 - Lemon, K. ["An Attempt to Determine the Radial Velocity Curve of the Secondary Component of the Spectroscopic Binary α^2 Librae = HD 130841"] [RESTRICTED]	1985
B2023-0003/014(03)	Xi Tauri [HD 21364]	1957-1975
B2023-0003/014(04)	σ Ori E [sigma Ori E] - Be Star Meeting	[198-]
B2023-0003/014(05)	Sigma Orionis E [HD 37479]	n.d.
B2023-0003/014(06)	AST 425 - Wade, G. ["An Analysis of Photometry and Spectroscopy of σ Orionis E"] [RESTRICTED]	1994
B2023-0003/014(07)	σ Ori E / Magnetic Winds of Bp Stars	n.d.
B2023-0003/014(08)	"The Magnetic Bp Star HD 79158 = Lyncis. II. An Analysis of its Co-Rotating Disk Based on Ultraviolet and Optical Spectra" [draft with comments]	[200-]
B2023-0003/014(09)	The Magnetic Bp Star HD 79158 = 36 Lyneis	[200-]
B2023-0003/014(10)	σ Orionis E Photometry	[199-] - [200-]
B2023-0003/014(11)	"Magnetospheres and Winds of the Helium Strong Stars: Dependence on Rotation" / Barker, Brown, Bolton, and Landstreet	1982
B2023-0003/014(12)	"The Magnetic Be Star Sigma Orionis E" / Bolton, Fullerton, Bohlender, Landstreet, and Gies	[ca. 1986]
B2023-0003/014(13)	Data and notes re Ha Region Telluric Line Standards and NOAO/IRAF	[198-] - [199-]
B2023-0003/014(14)	HD 213307 = δ cephei C [Delta Cephei C] [Part 1 of 2]	1965-1989
B2023-0003/014(15)	HD 213307 = δ cephei C [Delta Cephei C] [Part 2 of 2]	1965-1989
B2023-0003/014(16)	Zubrod Notes [Algol]	1977-1978
B2023-0003/014(17)	Zd Algol	1977-1978
B2023-0003/014(18)	Zd Algol Reductions [Part 1 of 3]	April 1977- May 1977
B2023-0003/014(19)	Zd Algol Reductions [Part 2 of 3]	June 1977
B2023-0003/014(20)	Zd Algol Reductions [Part 3 of 3]	June 1977
B2023-0003/014(21)	Zd Algol Reductions and Scans	July 1977- August 1977
B2023-0003/014(22)	Zd Algol Reductions and Scans	Sep. 1977- Nov. 1977

File number	File title	Date range
B2023-0003/014(23)	Algol Reductions and Scans	January 1978- February 1978
B2023-0003/014(24)	Algol reductions and tape lists	July 1978- August 1978
B2023-0003/014(25)	Algol	[197-]
B2023-0003/014(26)	Algol - H[Unknown symbol] and H[Unknown symbol] Tracings	[197-]
B2023-0003/014(27)	Algol - Radio Flares	1972-1983
B2023-0003/014(28)	"The Spectrographic Orbit Dimensions of the Early-Type Eclipsing Binary DR Vulpeculae" [drafts, correspondence, and reference reviews]	1980
B2023-0003/014(29)	DR Vulpeculae	[ca. 1980]
B2023-0003/014(30)	1977 IAU Coordinated Campaign on Cygnus X-1 [Commission 42?]	1976-1977
B2023-0003/015(01)	HDE 226868 λ 4026 line profiles	n.d.
B2023-0003/015(02)	Cygnus X-1-data	n.d.
B2023-0003/015(03)	Cygnus X-1 - Distance	n.d.
B2023-0003/015(04)	Kempiana [Cygnus X-1]	1975-1979
B2023-0003/015(05)	Cygnus X-1 - Analysis	[197-]
B2023-0003/015(06)	Cygnus X-1 Dead Material	[ca. 1971- 1972]
B2023-0003/015(07)	Gies and Bolton - Cyg X-1 Paper II [The Optical Spectrum of HDE226868 = Cygnus X-1, II. The Search for Periods Longer than 5.6 Days]	1982-1983V
B2023-0003/015(08)	Gies and Bolton - Cyg X-1 Paper I [The Optical Spectrum of HDE226868 = Cygnus X-1, I. Radial velocities and Orbital Elements]	1981-1982
B2023-0003/015(09)	Gies and Bolton -Cygnus X-1 papers	1985
B2023-0003/015(10)	Cygnus X-1 - Notes and Calculations [and correspondence]	1973-1981
B2023-0003/015(11)	"Lanning's Photometry of HD226868 = Cyg X-1: A Critique" / Douglas R. Gies	1976
B2023-0003/015(12)	Gies and Bolton - Cyg X-1 Papers [drafts and correspondence]	1982-1983
B2023-0003/015(13)	Gies and Bolton - Cyg X-1 papers	[ca. 1980]
B2023-0003/015(14)	Cygnus X-1 Manuscripts and notes	[ca. 197-]
B2023-0003/015(15)	Gies and Bolton - The Binary Frequency of OB Runaway Stars	1985-1986
B2023-0003/015(16)	SIMBAD literature search	1998
B2023-0003/015(17)	Cygnus X-1 [The Encyclopedia of Astronomy and Astrophysics]	1998-2000

File number	File title	Date range
B2023-0003/015(18)	FGBI ["Absorption Line Profile Variations Among the O Stars I. The Incidence of Variability"]	1995-1996
B2023-0003/015(19)	HD 151804 [Propagating Absorption Enhancements in the Wind of the Extreme of Supergiant HD 151804]	1991-1992
B2023-0003/015(20)	HR 6469 [The Spectroscopic-Speckle Triple System HR 6469]	1994
B2023-0003/015(21)	Period Changes [The Effects of Magnetic Fields on Period Changes, Mass Transfer, and Evolution of Algol Binaries"]	1989
B2023-0003/015(22)	10th European Regional Astronomy Meeting of the IAU, Praha, Czechoslovakia, August 24-29, 1987 Proceedings, Vol. 5	1987
B2023-0003/015(23)	IBVS [Commission 27 of the IAU Information Bulletin on Various Stars]	[1977-1985]
B2023-0003/015(24)	Cygnus X-1 Radial Velocity and Orbit Studies [Part 1 of 2]	1974-1981
B2023-0003/015(25)	Cygnus X-1 Radial Velocity and Orbit Studies [Part 2 of 2]	1974-1981
B2023-0003/016(01)	HD 201433 [data]	1971-1974
B2023-0003/016(02)	HD 201433 / V 389 Cyg	[197-] - 1982
B2023-0003/016(03)	HD 9746 H + K	1983
B2023-0003/016(04)	HD 10260 / HD 217754 / HD 65041	1976-1986
B2023-0003/016(05)	HD 11188 SB-B8	1973-1987
B2023-0003/016(06)	HD 16893	1980-1983
B2023-0003/016(07)	HD 16907	1982
B2023-0003/016(08)	Tnr Su Cas	n.d.
B2023-0003/016(09)	Algol-Blue HD 19356 - Mercedes	[1986]
B2023-0003/016(10)	Algol-Blue HD 19356	[1985-1986]
B2023-0003/016(11)	HD 19485	1947-1949
B2023-0003/016(12)	HD 19485	1985
B2023-0003/016(13)	HD 21071	[1983]
B2023-0003/016(14)	HD 21364	[ca. 1986]
B2023-0003/016(15)	Richard Gray [F-G Star program]	[ca. 1986]
B2023-0003/016(16)	Garrison [Comet Crommelin, τ Tau, supernova 1987A]	[1984-1987]
B2023-0003/016(17)	Comet Halley 1986	1986-1988
B2023-0003/016(18)	Dr. Jeong	n.d.
B2023-0003/016(19)	Kou BSKY Harmaneg General	[198-]
B2023-0003/016(20)	Harmanec	[198-]
B2023-0003/016(21)	NGCU70S	[1979]

File number	File title	Date range
B2023-0003/016(22)	Reduct mods. UV Test	1980-1981
B2023-0003/016(23)	NGC 6934	1984
B2023-0003/016(24)	AR - FE	1978-1988
B2023-0003/016(25)	HD 183656-Koubský	1986-1988
B2023-0003/016(26)	Non Linearity Tests	1979
B2023-0003/016(27)	Standard velocity - HD 3712, HD 9138, HD 22484, HD 29139, HD 62509, HD 34441, HD 92588	1982-1988
B2023-0003/016(28)	Nova Vul 1984	1984-1985
B2023-0003/016(29)	NGC 6705 [Iris Photometry] scans	1979
B2023-0003/016(30)	Kitt Peak	n.d.
B2023-0003/016(31)	Garrison's	1978
B2023-0003/016(32)	HDE 235679	[197-]
B2023-0003/016(33)	HDE 235679	1972-1979
B2023-0003/016(34)	DR Vul HDE 339770 20 09.5 + 26 27	1974-1977
B2023-0003/016(35)	HDE 235679	1972-1973
B2023-0003/016(36)	HDE 235679 Kitt Peak Plate measures	1973
B2023-0003/017(01)	Mercedes Davis Richards [Algol]	1981-1985
B2023-0003/017(02)	Mercedes Davis Richards [Algol]	1987-1989
B2023-0003/017(03)	Algol: 1991 Controversy	1991
B2023-0003/017(04)	[Algol] Paper IV	[1989]
B2023-0003/017(05)	Algol: Paper II draft [Part 1 of 2]	1988-1990
B2023-0003/017(06)	Algol: Paper II draft [Part 2 of 2]	1988-1990
B2023-0003/017(07)	Algol Polarization	1979
B2023-0003/017(08)	Algol - Colloquim	[ca. 1976]
B2023-0003/017(09)	Algol [HD 19356]	1972-1978
B2023-0003/017(10)	Algol	1976-1978
B2023-0003/017(11)	HD 212097	1970-1972
B2023-0003/017(12)	ϵ Persei = HD 24760	1981
B2023-0003/017(13)	FLN - ϵ Persei	1983-1987
B2023-0003/017(14)	HD 24760 data	1975-1985
B2023-0003/017(15)	HD 24760 1976 G8 [Part 1 of 2]	1976-1979
B2023-0003/017(16)	HD 24760 1976 G8 [Part 2 of 2]	1976-1979
B2023-0003/017(17)	HD 24760 G12 Measures	1973-1974
B2023-0003/017(18)	Epsilon Persei Line Profiles	1979-1985
B2023-0003/017(19)	53 Persei = HD 27396	1991-1993
B2023-0003/017(20)	λ Eridani - general/optical spectra	1974-1991
B2023-0003/017(21)	λ Eridani - Ames paper with Stefl	[ca. 1990]
B2023-0003/017(22)	λ Eridani - visible light photometry	1977-1981
B2023-0003/017(23)	λ Eridani	[1991]

File number	File title	Date range
B2023-0003/017(24)	λ Eridani - Munich talk	1977-1981
B2023-0003/017(25)	λ Eridani Reductions	1983-1984
B2023-0003/018(01)	λ Eridani = HR 1679 = HD 33328 Copernicus [Part 1 of 2]	1975-1981
B2023-0003/018(02)	λ Eridani = HR 1679 = HD 33328 Copernicus [Part 2 of 2]	1975-1981
B2023-0003/018(03)	HD 74280 = η Hyd	1969-1972
B2023-0003/018(04)	HD 79469 = 22 Hyd	1971-1974
B2023-0003/018(05)	HD 86360 = 27 Leo	1988-1989
B2023-0003/018(06)	Wolf - Rayet Binary HD 190918	1981-1987
B2023-0003/018(07)	HD 87504 [Upsilon ² Hydrae]	1971-1973
B2023-0003/018(08)	HD 88021/2	1976-1984
B2023-0003/018(09)	HD 93521	1986-1993
B2023-0003/018(10)	HD 93521	1994-1996
B2023-0003/018(11)	HD 93521 observation logs	1994
B2023-0003/018(12)	HD 110411 [Rho Virginis]	1971-1974
B2023-0003/018(13)	HD 112028 [and HD 112014]	1989-1990
B2023-0003/018(14)	HR 5110	[ca. 1984]
B2023-0003/018(15)	[Unknown symbol] Vir [Rho Virginis]	[197-]
B2023-0003/018(16)	HD 130109 [109 Vir]	1971
B2023-0003/018(17)	HD 134646	1971
B2023-0003/018(18)	HD 141513	1983
B2023-0003/018(19)	HD 157482 = HR 6469	1989-1992
B2023-0003/018(20)	HD 159026 = HR 6531	1971
B2023-0003/018(21)	V986 Oph - Fln Thesis	1983
B2023-0003/018(22)	HR 6611 [= V624 = HD 161321]	1975-1982
B2023-0003/018(23)	68 Oph	n.d.
B2023-0003/018(24)	39 Dra	[1971]
B2023-0003/018(25)	HD 14951 = 24 Ari	1971-1974
B2023-0003/018(26)	HD 12323	[197-]
B2023-0003/018(27)	HD 14633	[1971-1977]
B2023-0003/018(28)	28 Cygni = HD 191610	1982
B2023-0003/018(29)	HD 188209	1973
B2023-0003/018(30)	HD 193516	1973
B2023-0003/018(31)	HD 199629 = ν Cyg [Nu Cygni]	1992
B2023-0003/018(32)	68 Cygni	1987-1990
B2023-0003/018(33)	HD 219150 - IUE	1980-1981
B2023-0003/018(34)	OD 34B/Bolton	1980
B2023-0003/018(35)	Nova Cygni 1992	1992
B2023-0003/018(36)	V1016 Cyg	[1979-1980]

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B2023-0003/018(37)	HDE 235679	[1974-1976]
B2023-0003/018(38)	HDE 226868 Red (Ha)	1977
B2023-0003/019(01)	HR 9070	1976-1979
B2023-0003/019(02)	HD 222107	1977
B2023-0003/019(03)	HD 203156	1982-1988
B2023-0003/019(04)	HD 211838	n.d.
B2023-0003/019(05)	[Unknown symbol] Cep C	1970-1984
B2023-0003/019(06)	HD 217312	1984-1985
B2023-0003/019(07)	HD 219150	1979-1980
B2023-0003/019(08)	HD 219634 (Hube/Ly)	1971-1980
B2023-0003/019(09)	HD 190993	1984
B2023-0003/019(10)	HD 191610 (28 Cygni)	1981
B2023-0003/019(11)	HD 192713 22 Vul	1984-1985
B2023-0003/019(12)	HD 198726	1977-1983
B2023-0003/019(13)	59 Cygni	1980-1982
B2023-0003/019(14)	HD 200120 59 Cyg	[1981-1985]
B2023-0003/019(15)	HD 184927	1983
B2023-0003/019(16)	HD 188001	1975-1976
B2023-0003/019(17)	HD 190390	1986
B2023-0003/019(18)	HD 190918	1981
B2023-0003/019(19)	CH Cyg HD 182917	1985-1987
B2023-0003/019(20)	U Aql HD 183344	1983
B2023-0003/019(21)	HD 21699	1983-1987
B2023-0003/019(22)	HD 24760	1979-1981
B2023-0003/019(23)	HD 25799	1982
B2023-0003/019(24)	HD 26676	n.d.
B2023-0003/019(25)	Hyades Binary Program - HD 27383 + HD 27808	1980-1981
B2023-0003/019(26)	Hyades Program - HD 27989	1975-1980
B2023-0003/019(27)	Hyades Program - HD 28226	1975-1982
B2023-0003/019(28)	HD 28363	1971-1986
B2023-0003/019(29)	HD 28394	1979
B2023-0003/019(30)	Hyades Program - HD 28911	1980-1981
B2023-0003/019(31)	HD 30614	1970
B2023-0003/019(32)	HD 30869	1973-1980
B2023-0003/019(33)	HD 32147	1980
B2023-0003/019(34)	HD 33328	[1981]
B2023-0003/019(35)	λ Eri HD 33328 [Part 1 of 2]	1972-1983
B2023-0001/020(01)	λ Eri HD 33328 [Part 2 of 2]	1972-1983
B2023-0001/020(02)	Ron Lyons Correspondence	1979-1985
B2023-0001/020(03)	Kitt Peak Reductions	[1977]

File number	File title	Date range
B2023-0001/020(04)	λ Eri	1979-1980
B2023-0001/020(05)	λ Eri Observing Program	n.d.
B2023-0001/020(06)	"A Preliminary Report on Simultaneous Ultraviolet and Optical Observations of Lambda Eridani" and "On the Correlation Between Pulsation Amplitude and Shell Activity in the Be Star λ Eridani"	[198-]
B2023-0001/020(07)	λ Eridani = HD 33328 = HR 1679	1977
B2023-0001/020(08)	λ Eri	1976
B2023-0001/020(09)	λ Eri Reductions/DDO	1979
B2023-0001/020(10)	λ Eridani Spectral Photometry	[1979]
B2023-0001/020(11)	λ Eri PLVEL Reductions	[197-]
B2023-0001/020(12)	λ Eri Kitt Peak velocity reductions with Ca II	[197-]
B2023-0001/020(13)	Kitt Peak λ Eri Reference	[197-]
B2023-0001/020(14)	Analysis of Kitt Peak velocities [Part 1 of 3]	[197-] - 1980
B2023-0001/020(15)	Analysis of Kitt Peak velocities [Part 2 of 3]	1980
B2023-0001/020(16)	Analysis of Kitt Peak velocities [Part 3 of 3]	[1979]-1980
B2023-0001/020(17)	Kitt Peak scans, reduction notes	[197-] - [198-]
B2023-0001/020(18)	CFHT UWO	1986-1987
B2023-0001/020(19)	λ Eri [HR 1671] [Part 1 of 2]	1977-1981
B2023-0001/020(20)	λ Eri [HR 1671] [Part 2 of 2]	1977-1981
B2023-0001/020(21)	HD 33328 - reductions - Stromgren photometry	1977-1981
B2023-0001/020(22)	λ Eri - plate measures + reductions	1976-1978
B2023-0003/020(23)	HD 34626	1976
B2023-0003/020(24)	AR Aur - HD 34364	1975-1983
B2023-0003/020(25)	HD 36485	1987-1988
B2023-0003/020(26)	Sigma Ori AB	1976-1987
B2023-0003/020(27)	HD 37017	1981-1987
B2023-0003/020(28)	HD 37479	1973-1980
B2023-0003/021(01)	Ha + Reticon - HD 37479 σ Ori E	1979-1986
B2023-0003/021(02)	HD 37776	1983-1987
B2023-0003/021(03)	HD 39743 H + K	1983-1987
B2023-0003/021(04)	T Mon - HD 44990 - Bin. Cep. Evans	1981-1989
B2023-0003/021(05)	HD 48424	1972-1980
B2023-0003/021(06)	62044 - σ Gem.	1979
B2023-0003/021(07)	HD 72208	1978
B2023-0003/021(08)	HD 72359	1946-1985
B2023-0003/021(09)	HD 86360	1985-1989
B2023-0003/021(10)	HD 86590	1976-1981
B2023-0003/021(11)	HD 88021/2	1976-1985

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B2023-0003/021 (12)	HD 91948	1984
B2023-0003/021 (13)	HD 93521	1976-1986
B2023-0003/021 (14)	HD 94118 (SB)	1980-1984
B2023-0003/021 (15)	HD 98547	1980-1983
B2023-0003/021 (16)	HD 102509	1983
B2023-0003/021 (17)	Ursa Major Cluster HD 109011, HD 111456, HD 115043A	1980-1983
B2023-0003/021 (18)	HD 117362	1983-1986
B2023-0003/021 (19)	HD 118216	1977-1985
B2023-0003/021 (20)	HD 118246	1976-1978
B2023-0003/021 (21)	HD 127617	1979-1980
B2023-0003/021 (22)	HD 128661	1982-1983
B2023-0003/021 (23)	HD 131511	1954-1978
B2023-0003/021 (24)	HD 139892	1933 - [198-]
B2023-0003/021 (25)	HD 141513	1971-1974
B2023-0003/021 (26)	HD 141513 Bln - SB	1972-1988
B2023-0003/021 (27)	HD 141458	1980
B2023-0003/021 (28)	HD 143313	1981-1983
B2023-0003/021 (29)	HD 152224	1974
B2023-0003/021 (30)	HD 157482	1975-1989
B2023-0003/021 (31)	HD 161868	1972-1983
B2023-0003/021 (32)	HD 162714	1970-1984
B2023-0003/021 (33)	HD 163506	1971-1979
B2023-0003/021 (34)	HD 168452 - 96 Her	1984-1988
B2023-0003/021 (35)	HD 164852 (96 Her)	n.d.
B2023-0003/021 (36)	HD 170200	n.d.
B2023-0003/021 (37)	HD 174403	1981-1984
B2023-0003/021 (38)	HD 175426	1977-1983
B2023-0003/021 (39)	HD 178359	1971-1986
B2023-0003/021 (40)	AST 425 - Chow, P. [DI Herculis)HD 175227]: A Test of General Relativity] [RESTRICTED]	1990
B2023-0003/021 (41)	HD 181391 H+K	1981
B2023-0003/021 (42)	HD 47839	1996
B2023-0003/021 (43)	"Wind Accretion and State Transitions in Cygnus X-1" [drafts]	[ca. 2002]
B2023-0003/021 (44)	"Magnetically Controlled Circumstellar Plasma in the Helium-weak Stars"	1976
B2023-0003/021 (45)	θCB = HD 138749 ["Comments on the Duplicity and Shell Models for HD 138749 = θ Cornae Borealis"]	1983-1985
B2023-0003/021 (46)	Bln tape lists	1973-1980

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B2023-0003/021 (47)	σ Ori AB	1974-2000
B2023-0003/021 (48)	HD 37468 = σ Ori AB	1991-2003
B2023-0003/021 (49)	Cyg XI ST IS	2002
B2023-0003/021 (50)	Cyg XI Ha and TS Ha	2002
B2023-0003/022(01)	Algol - plate measures	Jan. 1972- Apr. 1972
B2023-0003/022(02)	"A Survey of Line Profile Variations in Non-Emission Line B0-B5 III-V Stars"	[199-]
B2023-0003/022(03)	HD 154528 17 00.9 A _o	1955-[197-]
B2023-0003/022(04)	HD 172187 Double Line Binary (very poor lines)	1963
B2023-0003/022(05)	HD 180316 19 11.0	1955-1966
B2023-0003/022(06)	HD 214946 R.J.N	n.d.
B2023-0003/022(07)	HD 214946	[196-]
B2023-0003/022(08)	HD 214946	1956-1965
B2023-0003/022(09)	BD + 45° 1859	n.d.
B2023-0003/022(10)	HD 190658	[196-]
B2023-0003/022(11)	HD 190658	1973-1976
B2023-0003/022(12)	Radial Velocity Programs	[1973-1977]
B2023-0003/022(13)	X-Correlation RV Program	[197-]
B2023-0003/022(14)	PROCOR	n.d.
B2023-0003/022(15)	AST 425 - Fieldus, M. [An Analysis of the Radial Velocity Correlation Program PROCOR]	1986
B2023-0003/022(16)	A Search for Line Profile Variations in the Spectra of Non-emission Line B Stars near the Main Sequence [Fieldus' Project]	1988-1990
B2023-0003/022(17)	HD 79158	1993-1995
B2023-0003/022(18)	Nov. 8/9 1993, ii 16834 ii 16856	1993-1994
B2023-0003/022(19)	Manz, Cleon [HD93521] [notebook]	1994
B2023-0003/022(20)	Fieldus Obituary	1991-1992
B2023-0003/022(21)	Manz, Cleon [HD 93521]	[1994]
B2023-0003/022(22)	Fln NRP Models	1994
B2023-0003/022(23)	O-Star Spectra	1991
B2023-0003/022(24)	O-Star Binaries	1978-[198-]
B2023-0003/022(25)	Basic Photometric Data	[197-]
B2023-0003/022(26)	Mass Luminosity-Radius Relations	[198-]
B2023-0003/022(27)	Wilson - Devinney Program run on Cyg X-I	1974
B2023-0003/022(28)	Finding List - Early Type Binaries	n.d.
B2023-0003/022(29)	VB - Bln [Visual Binaries]	[195-]-1976
B2023-0003/022(30)	Kim Venn's Ref's, etc. for O Star Program [Part 1 of 3]	1974

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B2023-0003/022(31)	Kim Venn's Ref's, etc. for O Star Program [Part 2 of 3]	n.d.
B2023-0003/022(32)	Kim Venn's Ref's, etc. for O Star Program [Part 3 of 3]	n.d.
B2023-0003/022(33)	Standard velocity - HD9138, HD 12929, HD 18884, HD 20902, HD 22408, HD 29139...	1979-1983
B2023-0003/022(34)	Bed plates [HD 136202, HD 161096, HD 182572, HD 204867, HD 222368]	1983-1984
B2023-0003/022(35)	Borra	1977-1986
B2023-0003/022(36)	Borra	1976-1985
B2023-0003/023(01)	Borra	1986-1988
B2023-0003/023(02)	Iris photometry scan data for Omega Centauri	1977-1981
B2023-0003/023(03)	Other Laval	1982-1984
B2023-0003/023(04)	Hardy	[1980-1982]
B2023-0003/023(05)	Tom Box	n.d.
B2023-0003/023(06)	Cress work	1981-1987
B2023-0003/023(07)	Demers	[197-] or [198-]
B2023-0003/023(08)	Hagen-Harris [HD 203638]	n.d.
B2023-0003/023(09)	Hube-Radcliffe	1967-1975
B2023-0003/023(10)	MR OHP	[ca. 1979]
B2023-0003/023(11)	Turner	1976-1985
B2023-0003/023(12)	Review of J.A. Wood's The Solar System and Spite et al. The Bibliographic Star Index	[197-]
B2023-0003/023(13)	Correspondence re Black Holes article for The Crucible	1972
B2023-0003/023(14)	A Source Book in Astronomy and Astrophysics, 1900-1975 [correspondence with Kenneth Lang]	1976-1977
B2023-0003/023(15)	HD 107325 paper	1974-1975
B2023-0003/023(16)	ISU "Pulsation, rotation and mass loss in early-type stars"	1994
B2023-0003/023(17)	Karl Kamper Obituary	1998-1999
B2023-0003/023(18)	"New Elements for the eps. Persi Triple System" [early draft]	[200-]
B2023-0003/023(19)	ϵ Persei paper	[199-]
B2023-0003/023(20)	"Ultraviolet observations of the X-ray photoionized wind of Cyg X-1 during X-ray high/soft state"	[ca.2007]
B2023-0003/023(21)	"The Orbit and Properties of the Massive X-Ray Binary BD+60 73 = IGR J0370+6122"	2006
B2023-0003/023(22)	Physics Today Introduction to Stellar Winds	2000

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B2023-0003/023(23)	Cygnus X-1 in the Encyclopedia of Astronomy and Astr	2000
B2023-0003/023(24)	BRITE Project	2004-2005
B2023-0003/023(25)	2003 EE Cep eclipse papers	2004
B2023-0003/023(26)	Canadian Who's Who	2006
B2023-0003/023(27)	"The Long Period, Massive Binaries HD 37366 and HD 54662: Potential Targets for Long Baseline Optical Interferometry"/ T.S. Boyajian, D.R. Gies, J.P. Dunn...	2006
B2023-0003/023(28)	Misc. Correspondence with publishers	1972-1982
B2023-0003/023(29)	The magnetic Bp star 36 Lyncis papers	2005-2006
B2023-0003/023(30)	DDO 1.88m Observation Log [Binder]	2004-2005
B2023-0003/023(31)	DDO 1.88m Observation Log [Binder; Part 1 of 2]	Jan. 2007- June 2007
B2023-0003/023(32)	DDO 1.88m Observation Log [Binder; Part 2 of 2]	July 2007- Dec. 2007
B2023-0003/023(33)	DDO 1.88m Observation Log	2008
B2023-0003/023(34)	R.W. Tanner "Spurious Periods"	1948
B2023-0003/023(35)	R.K. Young Radial velocities	[194-]
B2023-0003/023(36)	HD 9812 and HD 3765	1964-1966
B2023-0003/023(37)	IRIS NGC 6171	n.d.
B2023-0003/023(38)	"A Long Period Spectroscopic Binary in the O-star Multiple system HD 193322A"	1998
B2023-0003/023(39)	HD 37017 = V1046 Orionis: A double-lined spectroscopic binary with a B2e He-Strong magnetic primary"	1993-1994
B2023-0003/023(40)	"The Helium Spectrum Variables: The Photospheres and Magnetospheres of the Magnetic B Stars	1983
B2023-0003/023(41)	"HD 91948 is NOT A Be Star" / Bolton, C.T. and Lyons, R.W.	n.d.
B2023-0003/023(42)	"Magnetospheres and Winds of the Helium Strong Stars: Dependence on Rotation"	1982
B2023-0003/023(43)	"A Spectroscopic Orbit for the Unresolved Subsystem of the Hyades Binary HD 30869"	[1986]
B2023-0003/023(44)	Misc. data and publications	n.d.

J. Heard's Files

File number	File title	Date range
B2023-0003/023(45)	J.F. Heard's SSV/Standard Radial Velocity Program [Part 1 of 2; data and correspondence]	1960-1975
B2023-0003/023(46)	J.F. Heard's SSV/Standard Radial Velocity Program [Part 2 of 2; data and correspondence]	1960-1975
B2023-0003/023(47)	[J.F. Heard] Second [Prog. ?] for [fetrnd?] Std. Vels.	1974
B2023-0003/024(01)	[J.F. Heard] Report to [I.A.U.] Commission 30 [data, notes, and reports]	[197-]
B2023-0003/024(02)	Observing programs - Stars for Nancy Roman [notebook]	1951
B2023-0003/024(03)	Observing Programs - Kapteyn Areas - KA 6x6 [Heard]	[1950] - 1965
B2023-0003/024(04)	Observing Programs - Kapteyn Areas - KAFS [Heard]	[ca. 1965]
B2023-0003/024(05)	Observing Programs [Heard?]	[ca. 196-]
B2023-0003/024(06)	Bolton's Kit for HD 186547 measures 1975 [Heard] DDO	[1967-1975]
B2023-0003/024(07)	HD 186547 Ha [Heard]	1971-1976
B2023-0003/024(08)	HD 224801 Silrion-Type (x?) (AOP) Small Range Binary? WTS [Heard]	[ca. 1946]
B2023-0003/024(09)	Binary HD 219634 (20 + plates 1936-7 Incomplete) [Heard]	[ca. 1956]
B2023-0003/024(10)	HD 82780 [Heard]	1954-1958
B2023-0003/024(11)	HD 37171 [Heard?]	1960-1964
B2023-0003/024(12)	HD 36484 [Heard]	1954-1957
B2023-0003/024(13)	HD 29104 [Heard]	n.d.
B2023-0003/024(14)	HD 15138 [Heard]	[ca. 1930]-1976
B2023-0003/024(15)	HD 15138 [Heard]	1954-1976
B2023-0003/024(16)	HD 15138 (Ruth's Orbit Should be published - see Bolton letters) [Heard]	1942-1948
B2023-0003/024(17)	Misc. Heard	n.d.
B2023-0003/024(18)	DI Her (HD 175227): P. Chow-AST 425 1990-91 [RESTRICTED]	[1990-1991]
B2023-0003/024(19)	SZ PSC SZ Piscium [Heard]	1956-1976
B2023-0003/024(20)	Nova Vulpecula 1968	n.d.
B2023-0003/024(21)	G-16 Dispersion Curve and Standard Positions	1973
B2023-0003/024(22)	Heard and Carlson's Visual Binaries Programme	1955-1980

File number	File title	Date range
B2023-0003/024(23)	SLG STD Vel (Morrow) [Heard]	1949-1971
B2023-0003/024(24)	SSV Programme [Heard]	1961-1980
B2023-0003/024(25)	21 New 9th Magnitude Stars [Heard]	[1972-1975]
B2023-0003/024(26)	Radial Velocities - Has data (early) of 1st SSV prog. [Heard]	[1969-1970]
B2023-0003/024(27)	Secondary Standard Velocities Program [Heard]	1970-1971
B2023-0003/024(28)	Heard and Fehrehbach - data, correspondence, and drafts re Standard Radial Velocity Paper	1970-1972
B2023-0003/024(29)	Secondary Standard velocity Program [Heard] French	1970-1980
B2023-0003/024(30)	SSV measuring sheets [Heard]	1971-1976
B2023-0003/024(31)	SSV measuring sheets [Heard]	1971-1976
B2023-0003/025(01)	Hu SSV prog. measures 1972	[1972]
B2023-0003/025(02)	Curvature Corrections - Hd.	1936
B2023-0003/025(03)	Misc. measuring sheets [Heard]	1967-1969
B2023-0003/025(04)	Hogg, James S. [measuring sheets] [Heard]	1955-1956
B2023-0003/025(05)	Correction Curves and measuring sheets [Heard]	1935-1936
B2023-0003/025(06)	KA 8x8 Prog. Measures by J. Newton 1968 [Heard]	1941-1960
B2023-0003/025(07)	G12 measuring sheets - secondary standard velocity stars (ssvs) [Heard]	1968-1971
B2023-0003/025(08)	G12 measuring sheets - Standard Velocity Stars (SVS) [Heard]	1967-1975
B2023-0003/025(09)	1-25 Measuring Sheets - Standard Velocity Stars (SVS) [Heard]	1935-1968
B2023-0003/025(10)	Interesting Stars from Hd, N, FSH + y	[ca. 197-]
B2023-0003/025(11)	Less Interesting stars Hd, N, y + FSH	[ca. 197-]

Collected Sources and Publications

File number	File title	Date range
B2023-0003/025(12)	The Classification of Galaxies/Siney van der Bergh	1975
B2023-0003/025(13)	Be Star Newsletter [no. 1-6]	1980-1982
B2023-0003/025(14)	Be Star Newsletter [no. 7-12]	1983-1985
B2023-0003/025(15)	Be Star Newsletter [no. 13-20]	1986-1989
B2023-0003/025(16)	Be Star Newsletter [no. 21-29]	1989-1994
B2023-0003/025(17)	The Hot Star Newsletter [no. 1-4, 7-10, 12]	1994-1995

File number	File title	Date range
B2023-0003/025(18)	The Hot Stuff Newsletter [no. 15-19, 24-27, 42-43]	1995-1998
B2023-0003/033(01).01	Dark Nova	n.d.
B2023-0003/033(01).02	36101 Fe Arc	n.d.
B2023-0003/033(01).03	#1.1 SN	n.d.
B2023-0003/033(01).04	36060 1972 Supernova in NGC 5253	1972
B2023-0003/033(01).05	LC71 SN 1972g N GC 5253	1972
B2023-0003/033(01).06	Roll of Original Measuring sheet	n.d.
B2023-0003/033(01).07	HD 190658 April 16, 1974	1974
B2023-0003/033(01).08	Dark Nova	n.d.
B2023-0003/033(01).09	LC75 LC76	n.d.
B2023-0003/033(01).10	LC72 LC73	n.d.
B2023-0003/033(01).11	36032 NGC 5253 SN 1972	1972
B2023-0003/033(01).12	SN 1.1	n.d.
B2023-0003/033(01).13	36089 1972 Supernova in NGC 52.53	1972
B2023-0003/033(02).01	σ Orionis AB/38023 σ Ori AB	March 28, 1974
B2023-0003/033(02).02	σ Orionis AB/ σ Ori AB	April 7, 1974
B2023-0003/033(02).03	σ Orionis AB/ 38020 σ Ori AB	March 27, 1974
B2023-0003/033(02).04	σ Orionis AB/38023 σ Ori AB	March 28, 1974
B2023-0003/033(02).05	σ Orionis AB/38027 σ Ori AB	April 7, 1976
B2023-0003/033(02).06	41818 CYG X-I G16B	n.d.
B2023-0003/033(02).07	Star + Sky	May 26, 1978
B2023-0003/033(02).08	Phallas Occultation	n.d.
B2023-0003/033(02).09	CYG X-I NaD region	1977
B2023-0003/033(02).10	38962	n.d.
B2023-0003/033(02).11	HD 37479 Φ 771-822	n.d.
B2023-0003/033(02).12	#38562 Φ Per Disp	n.d.
B2023-0003/033(02).13	HD37479 Φ = .135 - .166	n.d.
B2023-0003/033(02).14	41833 CYG X-I G16B	August 20, 1977
B2023-0003/033(02).15	41821 CYG X-I G16B	n.d.
B2023-0003/033(02).16	HD 37479 Φ 582-597	n.d.
B2023-0003/033(02).17	HD 37479 Φ 440-442	n.d.
B2023-0003/033(02).18	40854 CYG X-I G12	September 25, 1976

File number	File title	Date range
B2023-0003/033(02).19	HD37479 $\Phi = .361 - .390$	n.d.
B2023-0003/033(02).20	31635	n.d.
B2023-0003/033(02).21	31295	n.d.
B2023-0003/033(02).22	HD37479 $\Phi = .050 - .090$	n.d.
B2023-0003/033(02).23	38562	n.d.
B2023-0003/033(02).24	#38962 Φ Per-Disp	n.d.
B2023-0003/033(02).25	Natural reduced plot	n.d.
B2023-0003/033(02).26	HD37479 Φ 615-632	n.d.
B2023-0003/033(02).27	Roll of original Spectra graphing	n.d.
B2023-0003/033(02).28	37779 Φ Per Data Rate 300 December 19 1973	1973
B2023-0003/033(02).29	31428	n.d.
B2023-0003/033(02).30	σ Ori ϵ October 7 1980	1980
B2023-0003/033(02).31	ψ len 31768	n.d.
B2023-0003/033(02).32	HD37475 Φ 674-715	n.d.
B2023-0003/033(02).33	40393 HD37479	n.d.
B2023-0003/033(02).34	38562	n.d.
B2023-0003/033(02).35	37779	n.d.
B2023-0003/033(02).36	HD37479 Rect Int $\Phi .235 - .277$	n.d.
B2023-0003/033(02).37	HR 6611/DWAVE = .05A May 17, 1975	1975
B2023-0003/033(02).38	HR 6611/DWAVE = .05a April 14, 1975	1975
B2023-0003/033(02).39	HR 6611/HD 161321 May 17, 1975	1975
B2023-0003/033(02).40	HR 6611/DWAVE = .05a April 14, 1975 & December 8, 1975	1975
B2023-0003/033(02).41	HD 186547 Density tracing	n.d.
B2023-0003/033(02).42	31295	n.d.
B2023-0003/033(02).43	PI 39893 HD 186547	n.d.
B2023-0003/033(02).44	Density Scan PI 38285 HD186547	n.d.
B2023-0003/033(02).45	HD37479 $\Phi = 942-975$	n.d.
B2023-0003/033(02).46	Φ Per 31428 taken September 1968 and reduced September 4 1975	1968-1975
B2023-0003/033(02).47	Φ Per 31295 taken July 11 1968 and reduced September 5 1975	1968-1975
B2023-0003/033(02).48	#37779 Φ Per Chart Dispersion	n.d.
B2023-0003/033(02).49	Comparison Plate No 37978	n.d.
B2023-0003/033(02).50	Plots of CYG February 17 1978	1978
B2023-0003/033(02).51	41825 CYG X-I G16B	n.d.

File number	File title	Date range
B2023-0003/033(02).52	HD37479 Rect. Intensity Φ 320-350	n.d.
B2023-0003/033(02).53	HD37479 Rect Int Φ 183-199	n.d.
B2023-0003/033(02).54	Φ Per 31768 taken January 6 1969 and reduced September 5 1975	1969-1975
B2023-0003/033(02).55	Φ Per 31428 taken September 4 1968	1968
B2023-0003/033(02).56	Φ Per 31635 taken November 13 1968 snf reduced September 5 1975	1968-1975
B2023-0003/033(02).57	Sum of 7 19 CEP G24 Plates Taken 1977 February 15 1978	1978
B2023-0003/033(02).58	CYGX-1 G16B'S 41753 41827 41830	n.d.
B2023-0003/033(02).59	38017 HD37479	n.d.
B2023-0003/033(02).60	σ Ori ϵ October 8 1980	1980
B2023-0003/033(02).61	HD37479 Φ 500-532	n.d.
B2023-0003/033(02).62	HD86590	n.d.
B2023-0003/033(02).63	31768 RI for 3702 redward	n.d.

Series 6: Teaching and Public Education

U of T Courses

File number	File title	Date range
B2023-0003/025(19)	AST 100Y and AST 120	[1970-1977]
B2023-0003/025(20)	Astronomy 100 1975-76	[1974-1976]
B2023-0003/025(21)	AST 100	1976
B2023-0003/025(22)	AST 100Y	1978-1979
B2023-0003/025(23)	AST 120Y course notes	n.d.
B2023-0003/026(01)	AST 120Y: A Survey of Astronomy and Astrophysics	1987-1989
B2023-0003/026(02)	AST 120Y: A Survey of Astronomy and Astrophysics	1988-1989
B2023-0003/026(03)	AST 120Y: A Survey of Astronomy and Astrophysics	[1988-1989]
B2023-0003/026(04)	AST 200 S	1983-1984
B2023-0003/026(05)	AST 221F	1995-1996
B2023-0003/026(06)	AST 310	n.d.
B2023-0003/026(07)	AST 221: Solar System and Stellar Astronomy [Binder]	1995-1996
B2023-0003/026(08)	AST 321	1985
B2023-0003/026(09)	AST 321: Solar System Astrophysics	1982-1994

File number	File title	Date range
B2023-0003/026(10)	AST 321 - evaluation of student work [RESTRICTED]	1993
B2023-0003/026(11)	Solar System Astrophysics: Course notes for Astronomy 321	1985
B2023-0003/026(12)	Planetary Astronomy: Notes for Astronomy 3215: Solar System Astrophysics [Part 1 of 2]	n.d.
B2023-0003/026(13)	Planetary Astronomy: Notes for Astronomy 3215: Solar System Astrophysics [Part 2 of 2]	n.d.
B2023-0003/026(14)	AST 321F: Solar System Astrophysics [Binder; Part 1 of 2]	[199-]
B2023-0003/026(15)	AST 321F: Solar System Astrophysics [Binder; Part 2 of 2]	[199-]
B2023-0003/026(16)	AST 321 Handouts	[ca. 198-]
B2023-0003/026(17)	Misc. AST 321 materials	[198-] or [199-]
B2023-0003/026(18)	AST 422: Observational Astrophysics I	1991-1992
B2023-0003/026(19)	AST 422 course evaluations	1991
B2023-0003/026(20)	Astronomy G1130F: Binary Stars	[ca. 197-]
B2023-0003/026(21)	Astronomy G1130F: Binary Stars - student assignment feedback [RESTRICTED]	n.d.
B2023-0003/026(22)	G1506: Stellar Atmospheres - I. Basic concepts II. The Gray Atmosphere	[ca. 1971]
B2023-0003/026(23)	G1506: Stellar Atmospheres - III. The Equation of State IV. Continuous Opacities	[ca. 1971]
B2023-0003/026(24)	X. Equations of statistical equilibrium XI. Continuum model atmospheres	n.d.
B2023-0003/027(01)	Misc. Stellar Atmospheres materials [G1506]	1971
B2023-0003/027(02)	G1506: Stellar Atmospheres	1974-1975
B2023-0003/027(03)	AST G1110F: Stellar Atmospheres 1976	1976
B2023-0003/027(04)	G1710S - Stellar Atmospheres Seminar [Binder; Part 1 of 2 - course material]	1976-1977
B2023-0003/027(05)	G1710S - Stellar Atmospheres Seminar [Binder; Part 2 of 2 - course material] [RESTRICTED]	1976-1977
B2023-0003/027(06)	SCI 199Y: Current Issues in Astronomy and Space Science	[1993-2004]
B2023-0003/027(07)	SCI 199Y: Current Issues in Astronomy and Space Science [RESTRICTED]	[1994-2004]
B2023-0003/027(08)	Planetary Magnetospheres/Solar activity	n.d.

File number	File title	Date range
B2023-0003/027(09)	Planetary rings [pp. 75-76]	n.d.
B2023-0003/027(10)	Materials re positional measures, radial velocities, spectral classification, and stellar atmospheres	[ca. 198-]
B2023-0003/027(11)	Course notes on the properties of the solar system, meteorites, asteroids, and comets	n.d.
B2023-0003/027(12)	Course notes on the origin of the solar system, planetary interiors, planetary surfaces, and astronomical photometry	n.d.
B2023-0003/027(13)	Course notes on measuring radii, rockology, and planetary photometry and radiometry	n.d.
B2023-0003/027(14)	Introduction to Stellar Winds	[200-]
B2023-0003/027(15)	Misc. Course materials	n.d.

Invited Lectures

File number	File title	Date range
B2023-0003/027(16)	Presentation on research and instrumentation at DDO	n.d.
B2023-0003/027(17)	Cygnus X-1 - Notes for colloquia	[197-] - [198-]
B2023-0003/027(18)	X-ray Astronomy lectures	[197-] - [198-]
B2023-0003/027(19)	HDE 235679 [transparencies]	[1976]
B2023-0003/027(20)	Ha Spectrophotometry of Algol	1979
B2023-0003/027(21)	"The Determination of Element Abundances in Stars" Physics student U of T 26/1/81	[198-]
B2023-0003/027(22)	UTSC Comet Halley Poster	[198-]
B2023-0003/027(23)	"The Search for Black Holes" and "The Discovery of the First Black Hole"	1982-1986
B2023-0003/027(24)	Binary Stars and Black Holes	[1985]
B2023-0003/027(25)	"Comet Halley: Much Ado About..." Cassette?	1988
B2023-0003/027(26)	SEDS [Students for the Exploration and Development of Space]	1986
B2023-0003/027(27)	Later Life Learning lecture, "Black Holes and Other Stellar Corpses"	1986
B2023-0003/027(28)	68 Cygni Colloq. [transparencies for presentation]	[ca. 1987]
B2023-0003/027(29)	Transparencies for presentation on DDO and light pollution	[199-]
B2023-0003/027(30)	"Our Restless Sun" Ontario DX Association talk	1990
B2023-0003/027(31)	The Moon Post-Apollo	1993

File number	File title	Date range
B2023-0003/027(32)	"Bumps and Wiggles" UWO + UT 95/96	[1995-1996]
B2023-0003/027(33)	"The Quest for the Photosphere-Wind Connection" AAS talk	1997
B2023-0003/027(34)	Misc. transparencies for presentations	[ca. 1979-1997]

Series 7: Professional Activities

Sub-series 7.1: Committees and Conferences

File number	File title	Date range
B2023-0003/028(01)	ACA Subcommittee on Image Processing	1981-1982
B2023-0003/028(02)	NRC-ACA SubCommittee on Image Processing	1981-1983
B2023-0003/028(03)	ACA - Astronomy in Canada in the 1980's	1982
B2023-0003/028(04)	ACA Subcommittee on optical Astronomy	1983-1985
B2023-0003/028(05)	Canadian Astronomical Society	1981-1992
B2023-0003/028(06)	CSADC [Canadian Space Agency Data Centre]	1987-1990
B2023-0003/028(07)	CFHT-SAC minutes [and reports]	1981-1987
B2023-0003/028(08)	CFHT-SAC correspondence and memos	1984-1986
B2023-0003/028(09)	ESO/Munien Workshop [on "Rapid Variability of OB-Stars: Nature and Diagnostic Value"]	1990
B2023-0003/028(10)	IAU Commission #30 Radial Velocities	1955, 1978-1988
B2023-0003/028(11)	International Astronomical Union	1970-1995
B2023-0003/028(12)	IAU Symposium No. 88: Close Binary Stars	1977-1980
B2023-0003/028(13)	IAU Working Group on Astronomical Data	1981
B2023-0003/028(14)	International Astronomical Union Be Star Working Group	1983-1987
B2023-0003/028(15)	IAU Colloquium No. 82: Cepheids - Theory and Observation	1984
B2023-0003/028(16)	Algols Colloquium [IAU]	1988
B2023-0003/028(17)	IAU Commission 42 Bibliography and Program Notes on Close Binaries [no. 55, 57-67]	1992-1998
B2023-0003/028(18)	Wind Workshop 1993 [International workshop on Instability and Variability of Hot Star Winds, Isle-aux-Corde, Quebec, August 23-27, 1993]	1993

File number	File title	Date range
B2023-0003/028(19)	AMES Meeting [Nato Advanced Research Workshop on Angular Momentum and Mass Loss for Hot Stars]	1990
B2023-0003/028(20)	PHOTON [Please Help Ontario Turn on the Night]	1992-1996
B2023-0003/028(21)	RASC Light Pollution Committee	1995-1997
B2023-0003/028(22)	"Selected IDA Information Sheets on Light Pollution By-Laws and their Development" / compiled by the EASC Light Pollution Committee	1995
B2023-0003/028(23)	RASC Light Pollution Committee Light Pollution Handbook	Jan. 1996
B2023-0003/028(24)	RASC [Royal Astronomical Society of Canada] - Toronto Centre	1982-1984
B2023-0003/028(25)	RASC	2005-2007
B2023-0003/028(26)	Synop Meeting [SHIRSOG Conference]	1986

Sub-series 7.2: Proposal Reviews

File number	File title	Date range
B2023-0003/029(01)	CTIO proposal review	1977
B2023-0003/029(02)	NASA proposal review	1977
B2023-0003/029(03)	National Science Foundation proposal reviews	1980-1990
B2023-0003/029(04)	IUE Proposal Review	[1980-1981]
B2023-0003/029(05)	CFHT Observing Time request proposal reviews	1984-2007
B2023-0003/029(06)	Ramsay, D.A. - Comet Halley [CFHT Proposal Review]	1985-1986
B2023-0003/029(07)	IGPP at Los Alamos proposal review	1988
B2023-0003/029(08)	Walker, G.A.H. [NSERC Infrastructure Grant Review]	1989
B2023-0003/029(09)	Chilean Research Council (FONDECYT) proposal review	1996
B2023-0003/029(10)	DSM - Saudi Arabia	1997-1998
B2023-0003/029(11)	Gemini Observatory Observing Time Requests	2006-2007
B2023-0003/029(12)	Misc. proposal reviews	1979-1997

Sub-series 7.3: Publication Reviews

File number	File title	Date range
B2023-0003/029(13)	Misc. correspondence and reviews for the Astronomical Journal	1979-1986
B2023-0003/029(14)	Review of S.C. Barden's "The Triple Nature of the Short Period RS CVn System HD 86590"	1983-1984
B2023-0003/029(15)	Review of R.C. Stone's "The Space Frequency and Origin of the Runaway O and B Stars"	1990
B2023-0003/029(16)	Review of Latham et al's "A Survey of Proper Motion Stars. XI. orbits for the second 40 spectroscopic Binaries"	1992
B2023-0003/029(17)	Review of Ph. Gondoin's "Evidence for Active Region's and Mass Motions in the Upper Atmosphere of HR 1099"	1984-1985
B2023-0003/029(18)	Misc. correspondence re reviews for Astronomy and Astrophysics	1988
B2023-0003/029(19)	Review of Linsky et al's "Rotational Modulation and Flares on RS CVn and BY Dra Stars. X."	1988
B2023-0003/029(20)	Review of M. Beech's "A Mass Estimate of HDE226868"	1984
B2023-0003/029(21)	Correspondence re reviews for the Astrophysical Journal	1973-1979
B2023-0003/029(22)	Review of Kunstatler and Moffat's "An Analysis of the Mass and Dimensions of the Binary System HDE 226868 = Cygnus X-1"	1975
B2023-0003/029(23)	Review of Helmut, Hintzen, and Levy's "A Search for a Third Star in the Cygnus X-1 System"	1976
B2023-0003/029(24)	Review of Walker, Yang, and Glaspey's "He II (λ 4686) Emission in the Spectrum of HDE 226868 (Cyg-X-1)"	1978
B2023-0003/029(25)	Review of Lamontagne et al.'s "The Wolf-Rayet Star HD 193077: Evidence for a Low-Mass Companion and the Possibility of a Third Body"	1981
B2023-0003/029(26)	Review of Levato et al. "Spectroscopic Binary Frequency among CNO Stars"	1987
B2023-0003/029(27)	Review of M. Bolte's "On the Nature of the Photometric Binary Stars in Praesepe"	1990-1991

File number	File title	Date range
B2023-0003/029(28)	Review of L.R. Penny's "Projected Rotational Velocities of O-Type Stars"	1995
B2023-0003/029(29)	Review of Kinamoto et al's "Ginga All Sky Monitor Observations of Cygnus X-1"	1996
B2023-0003/029(30)	Reviews for the Publications of the Astronomical Society of the Pacific	[ca. 198-]
B2023-0003/029(31)	Review of E.N. Walker and C. Lloyd's "Discovery Period Changes in the Light Curve of Cygnus X-1"	1984
B2023-0003/029(32)	Reviews for RASC Journal	1977-1980
B2023-0003/029(33)	Curriculum vitae and research proposal	[ca. 1991]

Appendix II – File listing – Michael Fieldus sous-fonds

Series 1: Personal and Biographical

File number	File title	Date range
B2023-0003/001P(02)	Photo of Fieldus	n.d.
B2023-0003/029(34)	Various essays	1983-1985
B2023-0003/029(35)	Academic Progress Report	1984
B2023-0003/029(36)	AST 322 - Stars and Stellar Systems [Prof. Stefan Mochnacki]	1984
B2023-0003/029(37)	PROCOR [AST 425 Research Project for Bolton]	1985-1986
B2023-0003/029(38)	AST 425 - Research Project [Prof. C.T. Bolton]	1985-1986
B2023-0003/029(39)	AST 1130 - Binary Stars [Prof. Slavek Rucinski]	Jan. 1987- Apr. 1987
B2023-0003/029(40)	AST 2000: Current Literature Seminar - Rapid Variability Talk	1990
B2023-0003/029(41)	Humor	1986-1987

Series 2: DDO and Research

File number	File title	Date range
B2023-0003/029(42)	Instability Mechanism in OB Stars	n.d.
B2023-0003/029(43)	Harmanec Observations	1989
B2023-0003/029(44)	McMaster Instrumentation Workshop	1989
B2023-0003/029(45)	Spectral Synthesis	n.d.
B2023-0003/029(46)	IDL Routines	1986-1989
B2023-0003/029(47)	HD 22928 = HR 1122 = (Unknown Symbol) Per	[1989-1992]
B2023-0003/030(01)	Telescope Observing Time Applications	1988-1990
B2023-0003/030(02)	Mira	1989
B2023-0003/030(03)	HD 206672 = HR 8301 = 80 Cyg π^1 - Cyg, HD 19556 = HR 7844 = 45 Cyg O^1 - Cyg, HD 224572 = HR 9071 = σ Cas	n.d.
B2023-0003/030(04)	α Peg, ζ Oph, ζ Pra, HD 24760 = HR 1220 = ϵ Per, HD 11415 = HR 542 = ϵ Cas	[ca. 1989]
B2023-0003/030(05)	HD 35468 = HR 1790 = (Unknown Symbol) Ori, HD 33328 = HR = λ Eri	1989-1991
B2023-0003/030(06)	Observing sheets	1989
B2023-0003/030(07)	IDL Reticon Log Files	1990
B2023-0003/030(08)	HD 120315 = HR 5191 = η - UMa [Eta Ursae Majoris], Berta Canis Majoris	[ca. 1989]

File number	File title	Date range
B2023-0003/030(09)	HD 80554 = HR 17306 = I Vul, HD 184930 = HR 7447 = i AQL, HD 213420 = HR 8579 = 6-Lac	n.d.
B2023-0003/030(10)	28 Cyg	1989
B2023-0003/030(11)	i Her	n.d.
B2023-0003/030(12)	Fln [Fullerton, Alex]	1990-1991
B2023-0003/030(13)	Eschelle + Reticon	1977-1990
B2023-0003/030(14)	HD 32630 = HR 1641 = (Unknown Symbol) Aur	n.d.
B2023-0003/030(15)	"Spectroscopic and Photometric Campaign on the Line Profile Variable Star 53 Per"	n.d.
B2023-0003/030(16)	CASCA '91 - Fieldus + Bolton ["A Survey of Non-Emission Line B-Stars near the Main Sequence for Line Profile Variations"]	[ca. 1991]
B2023-0003/030(17)	HD 47394 = HR 6092 = (Unknown Symbol) Her	n.d.
B2023-0003/030(18)	P Cyg	1989-1991
B2023-0003/030(19)	Rotation and Macroturbulence in 1b and 1b- II Supergiants	n.d.
B2023-0003/030(20)	GRPCKG	n.d.
B2023-0003/030(21)	Photographic Spectra B Stars [notebook]	ca. 1988
B2023-0003/030(22)	[B notebook]: B Stars Brighter than 5.0,+B0-B5, V-III; B Stars: 5.01-6.00, B0-B5, V-III; B Stars: 6.01-7.00 from BSc (i.e. incomplete), B0-B5, V-III	[198-]
B2023-0003/030(23)	Untold notebook	[198-]
B2023-0003/030(24)	Untold notebook	[198-]
B2023-0003/030(25)	Workshop and presentation notes [notebook]	[199-]
B2023-0003/030(26)	Misc.	1990
B2023-0003/030(27)	STA [Binder - 3 ζ Gem, XSGR, X Cyg, WSGR, T Mon, (Unknown Symbol) Cyg, Eta Aql, Delta Ceph, a umi]	1988-1989
B2023-0003/030(28)	Observation Log [notebook]	1989-1991
B2023-0003/030(29)	Data Reduction notes [notebook]	1990-1991
B2023-0003/030(30)	Research notes and data [Binder]	1988-1989
B2023-0003/030(31)	Research notes, data, correspondence, and drafts related to doctoral thesis	[1991-1992]
B2023-0003/030(32)	Observations data related to doctoral thesis [Part 1 of 2]	[1989]
B2023-0003/030(33)	Observations data related to doctoral thesis [Part 2 of 2]	[1989]
B2023-0003/031(01)	Research notes , data, correspondence, and drafts related to doctoral thesis	[1983-1992]

File number	File title	Date range
B2023-0003/031 (02)	Misc. data and research	[198-]-1990
B2023-0003/031 (03)	Reduction manual ["Reduction of Echelle-CCD and Cass-CCD spectra using IRAF and IDL" - 1st draft]	1991
B2023-0003/031 (04)	FDS - Thesis Poster	[1991 or 1992]
B2023-0003/031 (05)	Survey - General	[ca. 1991]
B2023-0003/031 (06)	FDS - Program manuals	n.d.
B2023-0003/031 (07)	HD 11415	1989
B2023-0003/031 (08)	HD 16908	1991
B2023-0003/031 (09)	HD 22928	1989
B2023-0003/031 (10)	HD 22951, Cont. Vsini = SI	1991
B2023-0003/031 (11)	HD 26326	1991
B2023-0003/031 (12)	HD 26912	[1991]
B2023-0003/031 (13)	HD 28375	1991
B2023-0003/031 (14)	HD 23630	1989
B2023-0003/031 (15)	HD 34503	[ca. 1990]
B2023-0003/031 (16)	HD 34816, const. vsini = 67	1991
B2023-0003/031 (17)	HD 35468	1989-1990
B2023-0003/031 (18)	HD 36822	1991
B2023-0003/031 (19)	HD 36959	1992
B2023-0003/031 (20)	HD 36960	1991
B2023-0003/031 (21)	HD 42545	[ca. 1990]
B2023-0003/031 (22)	HD 42690	1991
B2023-0003/031 (23)	HD 45546	1991
B2023-0003/031 (24)	HD 48879	[ca. 1990]
B2023-0003/031 (25)	HD 55879	1991
B2023-0003/031 (26)	HD 147394	1991
B2023-0003/031 (27)	HD 148605	1992
B2023-0003/031 (28)	HD 160762	1992
B2023-0003/031 (29)	HD 166182	1990
B2023-0003/031 (30)	HD 180163	[ca. 1990]
B2023-0003/031 (31)	HD 184171	1990
B2023-0003/031 (32)	HD 184915, Be* Vari Vsini = 259	1992
B2023-0003/031 (33)	HD 184930	[ca. 1990]
B2023-0003/031 (34)	HD 188892	[ca. 1990]
B2023-0003/031 (35)	HD 190993	1990
B2023-0003/031 (36)	HD 195556	1990
B2023-0003/031 (37)	HD 196740	[ca. 1990]

File number	File title	Date range
B2023-0003/031 (38)	HD 206672	1991-1992
B2023-0003/031 (39)	HD 207330	[ca. 1990]
B2023-0003/031 (40)	HD 213420	1990
B2023-0003/031 (41)	HD 219688, vsini var. = 332	1992
B2023-0003/031 (42)	HD 144470	1989-1990
B2023-0003/031 (43)	HD 49567 vsini = 81 var.	[ca. 1990]
B2023-0003/031 (44)	HD 120315 vsini = 205 const	1991
B2023-0003/031 (45)	HD 23793 vsini = 52 var.	1991
B2023-0003/031 (46)	Residual flux vs. wavelength diagrams [Tau Her, Beta Tau, Vega, Eps, Per, and Delta Persus]	n.d.
B2023-0003/031 (47)	SIMBAD bibliographical references and notes [binder]	1988-1989
B2023-0003/031 (48)	SIMBAD bibliographical references and notes [binder]	1989-1998
B2023-0003/031 (49)	SIMBAD bibliographical references and notes [binder]	1989-1990
B2023-0003/031 (50)	53 Per [Part 1 of 2]	1991
B2023-0003/032(01)	53 Per [Part 2 of 2]	1991
B2023-0003/032(02)	"Spectroscopic and Photometric Campaign on the Line Profile Variable Star 53 Per: Interim Results" [poster materials]	[ca. 1991]
B2023-0003/032(03)	Ha Atlas	[ca. 1990]
B2023-0003/032(04)	Echelle	n.d.
B2023-0003/032(07)	B Star Observing Cards [Pink box]	n.d.