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8/21/2018 11:11:12	solar	photographic, drawing, tape, any synoptic	sunspots, magnetograms, spicules, ca ii, h-alpha, pores, faculae	all possible	optical, white light, h-alpha, ca ii	all	debrecen heliophysical observatory (DHO), sheffield solar catalogue (SSC), kislodovsk, graz observatory	few terabytes	DHO: partially digitised; SSC: fully digitised.	sunspot historic (or other) synoptic data, if long range in time, are most valuable.	robertus@sheffield.ac.uk
8/21/2018 22:46:21	Solar	Photographic plates, drawings, digital files, Scanned photographic plates of Ca spectroheliograms, Digitized sunspot drawings	magnetograms, sunspots, spectroheliograms, direct full sun images	1908 to present. Variable coverage for various data sets.	5250 A, Ca II K, green directs	Magnetograms digital - recalibration in progress, sunspots digital scanned, Ca II K digital with partially accessible meta data	Mt Wilson, UCLA, Carnegie Observatories, http://www.astro.ucla.edu/~ulrich/ , http://obs.astro.ucla.edu/intro.html	300,000	logbooks scanned and mostly digitized, magnetogram headers and digitized printout of reductions. Access database for Ca II K spectroheliograms	Unique data archive especially for early years. Ca II K reduced data partially lost due to disk failure - scans and meta data still available but not easily accessible, Spectroheliogram 1916 to 1986 meta data recovery requires the recovery of the reduction software which is on a non-functioning platform. Direct images 1906 to 1986 are not digitized. Prominence images are not digitized The magnetogram archive, 1967 to 2013 is currently being re-reduced to provide a consistent product with calibration questions not yet fully resolved. The sunspot drawing are digitized with meta data available now but not fully organized.	ulrich@astro.ucla.edu
8/22/2018 9:29:11	solar observations	drawings	sunspots	May 1966 - present	optical	partially digitized (2007 - present)	Slovak Central observatory, Hurbanovo, Slovakia, http://www.suh.sk/obs/aktivita/activity.htm	13,500	we plan to digitize the drawings backwards from 2007		ivan.dorotovic@suh.sk
8/24/2018 2:41:15	solar	digitized fits	sunspots, magnetograms, doppler map	1987-2011	5324A, 4861A	full digitized	http://sun.bao.ac.cn/SHDA/	500000	digitized		lius@nao.cas.cn
8/24/2018 2:45:19	solar	photographic	sunspots, full disk	about ~1957-1977	optical, white light, 6563	nothing digitized	National Astronomical Observatories, Chinese Academy of Sciences	? about 30 years records	Plans to digitize but have no fund		lius@nao.cas.cn
9/4/2018 7:53:34	solar	Paper and Digital data	Daily solar total flux in microwave	1954 ~ now	Radio: 1, 2, 3.75, and 9.4 GHz	Fully digitized	http://solar.nro.nao.ac.jp/norp/index.html	~ 90,000 records	no	The brief history of the Toyokawa/Nobeyama radio polarimeters is described in Shimojo et al. (2017, ApJ, 848, id 62.) The other materials described in detail can be found from the references of the paper.	norp-help@solar.nro.nao.ac.jp
9/19/2018 16:33:00	Solar	Spectroheliograms (photographic, plates and digital format) since 1926. Drawings of solar phenomena (faculae, sunspots, filaments and prominences), from 1926 until 1980 (approximately).	Ephemerides and annales, books, and monthly publication entitled "Longitudinal position of sunspots and chromospheric filaments.	Books: since 1500; others: 1803 until 2000	H-alpha continuum ($\lambda=6558.7 \text{ \AA}$), dopplergram ($\lambda=6562.8 \text{ \AA}$), H-alpha ($\lambda=6562.8 \text{ \AA}$), Call K1v ($\lambda=3932.3 \text{ \AA}$) and Call K3 ($\lambda=3933.7 \text{ \AA}$)	Only the spectroheliograms are fully digitized (~ 35 000 images)	http://www.astro.mat.uc.pt/novo/observatorio/site/index2.html and http://bass2000.obspm.fr/home.php	na	Metadata like notebooks, drawings, etc., aren't digitized. There are plans to do it, but unfortunately, it is difficult to get funds.		mtbarata@gmail.com; ana.maria.malho@gmail.com

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9/21/2018 14:01:17	heliosphere	count rates from the worldwide network of neutron monitors	cosmic rays	1951 - today (depends on the station)	energetic particles	Fully digitized and available	http://nest.nmdb.eu	20GiB (> 50 stations with up to 366 records per station)	Metadata can be stored in NMDB, but only a few stations make use of this so far.	NMDB aims to provide access to data from all neutron monitors through one easy to use interface. Most stations have provided all their historic data but also send current data in real-time, allowing both, studying of historic events as well as forming the basis for real-time space weather alerts. http://nmdb.eu	questions@nmdb.eu
11/5/2018 15:53:31	solar	Carrington maps of MWO Call K images (digital) and their source images	see #2	1915-1985+ some NSO maps afterward	3933 A	fully digitized	copies are with Roger Ulrich, Luca Bertello, and Harry Warren	I can't remember	There are associated logbooks at NRL that Harry Warren or Yi-Ming Wang might find in my old office there.	See Luca Bertello	either me or Luca.
11/5/2018 16:03:24	Stellar, ISM, Extragalactic	Original on optical disks, now on hard disks and on a web server.	Images	1992-2003	1-2.6 microns	Fully digitized	tirgo.arcetri.astro.it	80 Gbytes, 328.000 images	All internal metadata in database. Logbook partially digitized.	A complete archive of Arcetri NICMOS3 based Infrared instruments (ARNICA and LongSp), used at Italian National IR facility (TIRGO) and on other telescopes.	baffa@arcetri.inaf.it
11/5/2018 16:08:11	Solar	Photographic, Drawings, Plates	Sunspots, Prominences, Full disk	1865 - 1964, 1964 - 1977	Ca II K, Halpha, white light	Partially digitized	INAF - Catania Astrophysical Observatory; partially available at http://www.oact.inaf.it/	417 +132 units of drawings, 5000 photographic plates	Paper only	These data, recorded in Sicily (Palermo and Catania) since 1865 are quite unique. A full digitization for drawings of 1926 - 1933 has been completed. Further information about these datasets have been recently included in a proceeding paper of IAUS 340, "Long-term optical monitoring of the solar atmosphere in Italy", in press	salvatore.guglielmino@inaf.it
11/5/2018 16:09:59	solar	photographic	H alpha images from Skylab	1973-74	H alpha	nothing digitized	60 Garden St., Cambridge, MA office P-352	About 50 books of about 50 8x10 prints each	possibly among several reams of computer paper, but none I've found	These were context images and pointing records for the UV and X-ray experiments on Skylab	John Raymond jraymond@cfa.harvard.edu
11/5/2018 16:22:06	Solar physics	Photographic (film), video (VHS)	Active regions on the Sun (sunspots) - photosphere (white light) & chromosphere (H-alpha)	1972 - 2010	Optical - white light & H-alpha	Partially digitized	http://oh.geof.unizg.hr/index.php/en/instruments/solar-telescope	> 50 film rolls & VHS cassettes	logbooks		Jasa Calogovic (jcalogovic@geof.hr), Hvar Observatory - Faculty of Geodesy, Croatia
11/5/2018 17:26:33	Variable stars and solar	Visual, CCD, DSLR, PEP	Sunspots, light curves	107	optical	fully digitized	www.aavso.org	N/A	both digitized and in paper		skafka@aaavso.org
11/5/2018 17:45:10	Stellar	Hand-written cards	Eclipsing binary stars	1900-1990	Mostly optical	Pilot digitization study done; further work in progress	Villanova University, PA	50000+	Paper only	Unique dataset	aprsa@villanova.edu
11/5/2018 17:45:56	brown dwarfs, low mass stars, normal stars	magnetic tape	brown dwarfs, low mass stars	Variability stuff of order days. Other stuff is snapshot	optical and near infrared	all digitized	Germany	hundreds of objective prism plates; images of tens of sq. degrees. 10s of GB.	Some observing and scanning logs.		
11/5/2018 17:47:11	solar	handwritten notebooks	polar faculae records from MWO	1905-2014 (approx)	visible light	handwritten, but some digital copies exist	notebooks in my possession, digital data (see Andres Munoz-Jaramillo)	4-6 notebooks and some KB of digital data	no plans as yet	unique data set	Neil Sheeley and Andres Munoz-Jaramillo

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11/5/2018 17:56:38	Solar	Photographic	The corona	21 August 2017...	Optical	Digital	Eclipse Megamovie program (http://eclipsemega.movie)	About 50,000 DSLR images plus a separate smartphone image archive	The data exist in image RAW formats and most have GPS metadata	This is the first and only public-access archive of eclipse data, and it is likely that future suitable eclipses will get similar treatment, benefiting from lessons learned. Unfortunately the program has never received support funding and even the archiving has been problematic; the DSLR data are in an SQL database, however. Not much full analysis has been done.	Hugh Hudson (hhudson@ssl.berkeley.edu)
11/5/2018 18:22:49	solar system	digital born images	images of the sky	1994-2016	optical	digital born, to be put on repository	not yet accessible	30000 images, 140 GB	metadata available under digital form		thierry.pauwels@oma.be
11/5/2018 19:11:28	Supernovae	Historical records in manuscripts	Naked eye visible supernovae	pre-telescopic ages	optical	partially digitized	China, Korea, Japan, a few in Europe and Arab countries, see Clark & Stephenson (1977)	few hundreds	Please refer to Clark & Stephenson, The Historical Supernovae, 1977 and subsequent revisions	All the manuscripts quoted by Clark & Stephenson (1977) should be considered by this project for long time preservation	fabrizio.bocchino@inaf.it
11/5/2018 19:12:29	Stellar photoelectric photometry	paper notebooks, photographic galvanometer tracings, chart recorder strips	Eclipsing variable stars	1922-1950s	Optical	Nothing digitized	Univ. of Wisconsin-Madison Archives, Univ. of Wisconsin-Madison Astronomy Dept. Archives	Hundreds	Observing notebooks reside in UW-Madison Archives. Other records kept in Astronomy Dept. Archives. All are on paper. There are no plans to digitize, copy, or inventory any of these records, but they are in a good state of preservation and roughly sorted.	This collection contains some of the earliest photoelectric photometry data in existence. Many of the eclipsing variable observations could offer time domain data over a baseline on the order of 100 years.	lattis@astro.wisc.edu (James Lattis)
11/5/2018 19:42:35	stellar atmospheres, analysis of white dwarf composition	digital results, on my hard disc	modeling results of white dwarf atmosphere spectra produced in my laboratory.	10 years, from 1970 to 1980	visual, from UV to IR	Fully digitized, published in APJ and AJ.	US Naval Ordnance Laboratory, disbanded 1986	Cannot estimate. Some data private communications.	Logbooks, notebooks. I can only refer to unclassified data.	Data is of historical interest only.	ghammo@earthlink.net
11/5/2018 19:54:05	planetary atmospheres	digital images and spectra of planets at near- and mid-infrared wavelengths	Jupiter, Saturn	~1979 to the present	1.58 to 24.5 microns	fully digitized	privately stored on Jet Propulsion Laboratory computers.	40 GB	Most logbook pages exist, some are missing. All files on Jupiter are currently being supported for archiving using a grant from the NASA PDART program, including digitization of logbook hard copies (to PDF files), together with all of the ancillary data, including labels, required by NASA's Planetary Data System (PDS) in their current format standard, "PDS4".	The data represent the only consistent set of observations of these planets in the mid-infrared, pertinent to long-term changes in climate that reflects both seasonal and non-seasonal variability. Early results of using these data are published in Science and Nature.	glenn.orton@jpl.nasa.gov
11/5/2018 20:08:35	stellar	photographic	direct & prism schmidt plates	1970 - 1974 plus a few older ones	optical	partially digitized	MIRA at 200 Eighth Street, Marina, CA	5 TB	envelope data	both northern & southern hemispheres	Bruce Weaver bw@mira.org
11/5/2018 20:28:52	Stellar	Glass plates	Stellar spectra	Approx 1930s to 1960s	Optical	Nothing digitized	Perkins Observatory, in Delaware, Ohio	Unknown, perhaps thousands of plates	logbooks	Many of these plates were used by Phil Keenan, et al in development of the MKK system.	Don Stevens, Director of Perkins Observatory, perkins@owu.edu
11/5/2018 20:37:40	extragalactic	photographic, magnetic tape	images, spectra	as long as possible	all	Fully digitized and available	SQL?	as many as possible	all available information digitized	see and merge efforts with: https://www.platearchive.org/applause/	
11/5/2018 21:23:14	stellar astronomy + planetary astronomy	magnitude estimates for variable stars, drawings of planets, other	Variable stars, stellar clusters, planets, other	1890 - 1923	Optical (visual)	Not digitized	University of Chicago Special Collections - E. E. Barnard notebooks (https://www.iib.uchicago.edu/e/scrc/findingaids/view.php?eadid=ICU.SPCL.BARNARDEE)	100 notebooks + related papers	E. E. Barnard observing notebooks and papers. Finding list (inventory) exists on-line. Plans to eventually digitize some of material.	Has unpublished early observation of variables in globular clusters (useful for period change studies). May contain other unpublished observations of interest (of aurora, variable stars, etc.)	Wayne Osborn (wayne.osborn@cmich.edu) or U. Chicago Special collections

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11/5/2018 21:27:16	photographie du ciel	plaques photographiques	soleil, champs stellaires, comètes	1893-1947	lumière visible	début de numérisation en cours	fonds Flammarion, observatoire de Juvisy, Essonne (France)	plus de six mille plaques	registre d'observation: photographie numérisée disponibles, passage à un tableur en cours	étude en cours par l'IMCCE	guy.artzner@m4x.org
11/5/2018 21:27:58	Solar and Planetary	Films 35mm and fac-similes (paper) of continuous time-frequency daily observations of Jupiter and the Sun from two historical decameter radiotelescopes of the radioastronomy station of Nançay (France).	Sun, Jupiter	1970-1990	(1) Daily analog observations of the Nançay Decameter Array (10-100MHz), in operation since 1977. The observations taken since 1990 are recorded in digital format. See details on the NDA webpage : https://www.obs-nancay.fr/-Reseau-decametrique-24-.html?lang=en (2) Daily analog observations of the Nançay Decameter Interferometer (10-100 MHz), in operation between 1970 and 1977.	High resolution digitization of the films is in progress (operation launched late 2018 which should end by mid-2019). See the following recent news for details : https://www.obs-nancay.fr/Lancement-de-la-numerisation-des-archives-443.html	Analog data are stored at : Observatory of Paris, site of Meudon, 92190, Meudon, France and are under the responsibility of the scientific team hosted at the LESIA laboratory at Observatory of Paris. Digital data are freely available online to the community at : https://www.obs-nancay.fr/-Reseau-decametrique-24-.html?lang=en	The full dataset consists of 1500 35-mm films, 31.5m long (i.e. a total of 45km). Each film contains 4-5 observing sequences.	The films are digitized by the mean of a continuous high resolution scanner (~250-300 'views' are necessary to scan a complete film) with basic metadata. ~30 Logbooks will serve in a second time to complete these metadata and retrieve the observation parameters (time and frequency range, instrumental mode etc.). As these logbooks contain ~10 000 individual pages, we may have to digitize them to attempt to automatically recognize the written symbols that they contain.	Once digitized, our goal is to fully rehabilitate those data and complete the online digital database of Nançay decameter observations to provide a (so far 48 years-long) unique database worldwide, to our knowledge the longest at such frequencies, adapted to track very long-term variations of solar and jovian radio emissions (overlapping ~4 solar revolution and ~4 jovian revolutions).	laurent.lamy@obspm.fr
11/5/2018 21:31:30	stellar astronomy	Photographic	stellar spectra (OB stars)	1971 - 1982	Optical	No digitized	Yerkes Observatory, University of Chicago	400 plates	Log sheets with photographic plates (paper copies) plus spreadsheet summary of objects and dates of observation	These are spectra taken by N. Walborn of the most massive stars known in our Galaxy and the LMC, SMC. Walborn said, just before his death, "Keep these as one day one or more of these stars will supernova and then researchers will want to examine the pre-outburst spectra."	Wayne.Osborn@cmich.edu
11/5/2018 21:39:47	stellar astronomy	Photographic plates	star fields, planetary photographs, stellar spectra	1890 - 1990	Optical (including near IR)	Not digitized (but digitize on demand when requested)	Yerkes Observatory, University of Chicago	180,000 photographs	Observing log books exist for most series of photographs. Electronically readable catalogs exist for about one-half of the plates	Plate collections has several series of interest for science and history. These include: Barnard and Ross wide-field, deep direct images, Barnard observations of comets, Kuiper observations of planets and satellites (including discovery plates of satellites), van Biesbroeck observations of comets, pre-discovery plates of Pluto, spectra and direct photographs of early novae, early spectra of EV Aur.	Wayne.Osborn@cmich.edu
11/6/2018 5:51:02	stellar	photographic plates	direct observation of Galactic survey and double stars, very low resolution (slitless prism observation) of stellar spectra	1940's-1990's for double star, 1960-1999 for wide field (schmidt)	optical	partially digitized (the project is started this year, 2018).	Bosscha Observatory, Lembang, Indonesia. No online data available yet.	For double star: ~3000 plates, wide field: 3400 plates	For double star, logbook is not available. Wide field: logbook available & already digitized. We started a digitization project this year using flatbed scanner Epson perfection V800.	The double stars were observed using 60 cm (f/18) telescope and the data quality are very good. While the wide field observation are focused mainly to observe stellar objects at the Galactic center and south Galactic poles which may not usually observed by other observatory.	Evan I. Akbar (evan@as.itb.ac.id, evan.akbar@gmail.com)
11/6/2018 9:50:54	extragalactic	photographic, drawings	stellar spectra	20	radio, optical, IR	Fully digitized and available	html/ftp	100	personal notebooks, digitized		

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11/6/2018 10:00:23	Solar System objects : satellites, planets, small bodies	Photographic plates	Astrometry	1890-1998	Optical	Available and in progress for digitization with the brand new NAROO machine (Paris observatory)	Paris, France www.koeri.boun.edu.tr/astrometry/	App. 10000 plates	Yes !	An email will be sent to Alexei Pevtsov for further details about the NAROO program.	vincent.robert@obspm.fr ozguc@boun.edu.tr ; pektas@boun.edu.tr
11/6/2018 12:39:48	solar	drawings	sunspot	1946 -2017	optical	Fully digitized		20 Mb each year	digitized		
11/6/2018 13:56:43	Stellar and Substellar including exo-planetary	online server (https://phoenix.ens-lyon.fr/Grids/BT-Settl/)	Stellar spectra, interior structure, limb darkening, colors, isochrones, bolometric corrections, continuum, etc.	1997-2018	UV to far-IR	Fully digitized	https://phoenix.ens-lyon.fr/Grids/	less than 1 Tb	Some papers, README files, log-files on the same server	Stellar model of Low Mass Stars, Brown Dwarfs, and Extrasolar Planets, including NLTE, cloud physics, molecular physics.	fallard@ens-lyon.fr
11/6/2018 15:31:40	Solar	Document	eclipse	1868	optical	Fully digitised	On my hard drive	38 foolscap pages	Done	Questions above do not relate to original documents, need more options	sheridan@ouastro.co.uk
11/6/2018 16:18:57	stellar	photographic	stellar spectra	1929-1947, 1980-1990	3890-5150 A	minimum level of digitalization	www.aiuc.cl	> 4000 plates	plate inventory available	relevant for the study of specific stars	lvanzi@ing.puc.cl
11/6/2018 18:36:43	Cosmic rays (solar & galactic)	Neutron monitor count rates	galactic and solar cosmic rays	1967-now	Particle energies > 450 MeV	digitised	Paris Observatory; partially available at www.nmdb.eu	One record (count rate, ambient pressure, possibly other environmental parameters) per minute, recorded continuously.	Data are provided to a large extent self-explanatory. Data on the neutron monitor stations are provided at www.nmdb.eu	Other neutron monitor datasets are as important as ours. The ensemble makes a unique set of particle data, including solar relativistic particles, going back to the 1960s or at some neutron monitors even to the 1950s. A common approach to secure all these data is most reasonable. This should be done in cooperation with www.nmdb.eu .	ludwig.klein@obspm.fr
11/7/2018 8:59:37	Astronomy (from Planetary System to Extragalactic Sources) considered in science usability point of view (no bibliographic or documentals issues)	Photographic and informatic support (Magnetic tape, HD, MOdisk..)	Sun, planets, Asteroids, stars, extragalactic objects	Beginning of XX century	Infrared - Optical - UV wavelenght	Fully digitized but not available, partially digitized or not digitized at all	Part on the WEB in html form as resources list taken from recent projects (essentially observations for space missions or conducted during space missions)	Many TB of measures and thousand of photographic plates to be recognised, inspected and classified	A road map is identified but no resource for the moment availables to do	Part of data come from some astronomical key projects in the past. For deep details will be go investigate case by cases.	roberto morbidelli (roberto.morbidelli@inaf.it)
11/7/2018 11:36:10	solar	photographic	sunspots, continuum, H-alpha, Korona	1943 - 1970	white-light, 656.3 nm	partially	Kanzelhöhe 19, 9521 Treffen, Austria; cesar. kso.ac.at	>100000	logbooks (paper only) and data-based entries	the years with highest solar activity in the last century (1957-1959) are covered by whitelight, H-alpha and Korona images	werner.poetzi@uni-graz.at
11/7/2018 15:27:35	Solar	photographic, films, computer files, drawings	Full sun images (spectroheliograms and radio), dynamic spectra, synoptic maps, filaments, sunspots, active regions, prominences, coronal holes, radio type III bursts	1870-2018 (mainly 1919-2018)	Optical (Halpha, Ca II K3 and K1) and radio (metric and decametric).	Partially digitized, but poor quality of digitization. Spectroheliograms from 1919 (and earlier solar observations) till approx. 2002 are available on plates.	http://bass2000.obspm.fr	Probably more than 100,000 images	Metadata included in FITS header. Available in the database for queries. An EPN-TAP (cf. https://arxiv.org/pdf/1407.5738.pdf) layer is in progress on the web site (probably soon available)	Data are shared between observations (in BASS2000 database directly) and features detection originating in EC programs EGSO and HELIO (http://voparis-helio.obspm.fr/hfc-gui/)	Jean Abouardham (Jean. Abouardham@obspm.fr)
11/7/2018 18:50:46	Planetary	Photographic and magnetic tape	Asteroids and comets	35 years	Optical	Partially digitized	JPL, Pasadena, CA	~2500 plates (Size range from 5x7 to 14x14 inch) and ~2500 nights on magnetic tape.	Approximately half with paper logbooks. Plan to seek funding next year to digitize a portion of the photographic plates.	I have "inherited" two plate libraries from long-time observers at Palomar Observatory. Provides long term observations of asteroids/comets (for phase curve and/or outgassing studies, for example).	Ken Lawrence. Email: Kenneth.J. Lawrence@jpl.nasa.gov

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11/8/2018 7:50:36	Stellar, extragalactic	Photographic plates	Stellar images, nebular images, objective prism spectra	1893-1986	Optical	Partially digitized (about 70%)	Vatican Observatory, The Vatican City State	about 10000 fits files	Logbooks on paper and partly as txt file	We have all the plates of the Vatican section of the "Carte du Ciel" project; also we have about 4000 Schmidt telescope plates (photographic and objective prism spectra); Double astrograph large format plates.	aomizzolo@specola.va
11/8/2018 9:57:55	Solar prominences	magnetic field vector	average magnetic field vector of 323 solar prominences	1973-1982	He I D3 5876 A	Excel table	V.Bommier@obspm.fr	1 Excel file of 375 lines	1 Excel file of 375 lines (results)	Ambiguity resolved. 1 magnetic field vector per prominence. Angle between the filament long axis and the magnetic field vector, also provided.	V.Bommier@obspm.fr
11/8/2018 11:54:23	stellar	photographic plates	variable stars	Approx 1950-1969	optical	nothing digitized	440 W. Brooks, Rm 100 Norman OK 73019 USA	Not sure	Not sure		
11/8/2018 13:18:03	Hard X-ray observations from the WATCH instrument on the Granat satellite	Documented digital data. Light curves. Sky images.	GRBs, galactic X-ray sources, Sun	1989-1992	X-ray energy range 6 to 60 keV	Fully digitized and available on request (documented special data formats)	nl@space.dtu.dk	Few Mbytes.	Instrument and data format description, User manual (WordPerfect)	These data covers the first few years after the demise of the Solar Max mission	nl@space.dtu.dk
11/8/2018 14:12:22	Transit of Venus	Drawings (cartoons) of the 1874 British expedition to Hawaii and associated documents	Volumes of cartoons by E. J. Noble	1874	n/a	Cartoons fully digitized; other documents partially digitized	Physical documents held in private archive in UK; online documents available at https://cucl.lib.cam.ac.uk/collections/tov/	Hundreds of cartoons in 2 volumes; other records number at perhaps 20	Limited metadata for digitized items	As far as I am aware the cartoons form a unique record of a late 19th-century astronomical expedition.	c.tupman2@exeter.ac.uk
11/8/2018 14:34:15	solar	magnetic tape	Most solar features	1975-1978	UV (around Lalpha and beta of H; k and h of Mg II) and visible (H and K of Ca II)	Fully digitized	SERAD at CNES (Toulouse, France) exploit.serad@cnes.fr	32.5 Gbytes	Except for directories, paper only	These 3-years data concern the SIMULTANEOUS spectroscopy of the Lyman lines of H, h and k of Mg II and H and K of Ca II. The Mg II data have been used for the preparation of the IRIS mission.	exploit.serad@cnes.fr (jean-claude.vial@ias-psud.fr)
11/9/2018 10:53:16	Solar	White Light	Sunspots	1904-2018	Optical	Fully Digitized	https://kso.iiap.res.in/	41000 raw files and similar number of calibrated files. Approx 2.5TB for each levels.	2013A&A...550A..19R; 2017A&A...601A.106M	Data available from 1906 to 2018 with unchanged optics. Entire dataset is digitized in 4Kx4K, 16bit format	dipu@iiap.res.in
11/9/2018 11:13:10	Solar	Spectroheliograms recorded in Photographic plates/films	Filaments	1914-2007	Optical (656.28nm)	Fully Digitized	https://kso.iiap.res.in/	31000 digitized and calibrated images (Approx 2TB for each level)	2017ApJ...849...44C;	Data available from 1914 to 2007 with unchanged optics. Entire dataset has been digitized in 4Kx4K, 16bit format.	dipu@iiap.res.in
11/9/2018 11:19:54	Solar	Spectroheliograms recorded in Photographic plates/films	Plages, sunspots, supergranules and networks	1904-2007	Optical (393.36nm)	Fully Digitized	https://kso.iiap.res.in/	40000 digitized and calibrated images (Approx 2.5TB for each level)	2016ApJ...827...87C; 2017ApJ...841...70C	Data available from 1904 to 2007 with unchanged optics. Entire dataset has been digitized in 4Kx4K, 16bit format.	dipu@iiap.res.in
11/9/2018 11:20:30	Solar	Disk blocked spectroheliograms recorded in Photographic plates	Prominences	1906-2002	Optical (393.36nm)	Fully Digitized	Will be hosted at https://kso.iiap.res.in/	23000 digitized and calibrated images (Approx 1.5TB for each level)	2018arXiv180207556C;	Data available from 1906 to 2002 with unchanged optics. Entire dataset has been digitized in 4Kx4K, 16bit format.	dipu@iiap.res.in
11/9/2018 11:31:41	Solar	Drawings	Sunspots, Plages, Filaments, Prominences and Faculae	1904-2011	Optical	Yet to be digitized	Kodaikanal Solar Observatory, Kodaikanal, Tamil Nadu-624101, India	32000 drawings available	Digitization will start in 2019. Logbooks are available.	Multiple solar features are marked with different colours in single drawing.	dipu@iiap.res.in
11/9/2018 14:42:31	astrometry, globular clusters, galaxies, stellar, planetary, etc.	Photographic plates	Carte du ciel, spectra, southern galaxies, etc.	1893-1990	optical	partially digitized	Observatorio Astronómico de Córdoba, Laprida 854, 5000 Córdoba, Argentina	20	Logbooks, there are plans to digitize them.	1100 plates of the Carte du Ciel (1913-1926), -24° to -31°	vlcinas@unc.edu.ar

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11/12/2018 3:50:23	Astronomy in the broad, but mostly extragalactic and stellar with a very small component of solar system	Mostly photographic plates, a few early CCD images.	Mainly star clusters, nebulae, galaxies and galaxy clusters, and searched for objects detected by non-optical telescopes.	1974 to 1999	Optical, plus a small number if near IR plates.	Very little digitized, though all the 3-colour images derived from the plates is now in digital form, about 180 images in all.	The plates are stored under excellent, secure conditions in the Anglo-Australian Telescope dome.	Almost 3000 plates were taken, and about 75% of them are in the archive.	The basic plate log data are in digital form, the plate logs themselves still exist in paper form and some entries contain brief comments. The plates themselves are stored archival envelopes (Tyvek) and in metal cabinets.	The AAT was one of the first 4 meter-class telescopes operating in the southern hemisphere, and while the plates were mainly taken for research purposes, the technical excellence and archival permanence of the material was always in mind during processing, handling and storage. Most of the plate are 10 x 10 inch sizes (~25 x 25 cm) with some 5 x 7 inches (the units are Kodak's).	These responses supplied by David Malin <david@davidmalin.com>, astronomer/photographic scientist at the AAO 1975-2001.
11/12/2018 17:22:33	stellar, meteors, lunar, planetary, ...	photographic (plate and films), drawing, publication	variable stars, comets, asteroids, meteors	1909-1998	optical	partially digitized	All astroplates stored in the Astronomical Observatory of Mechnikov Odessa National University at suburban Mayaki astronomical station (40 km from Odessa)	more 110 000 number of records	observational logbooks and part of the envelopes of the plates were digitized		sv-k@onu.edu.ua
11/15/2018 13:57:29	solar physics	photographic (plate and films), drawing, publication	sunspots, filaments	1958-1997	white light, H alpha	data - nothing digitized, publication (bulletin) partially digitized	Bucharest, Romania / http://92.87.254.21/~solar/Hystoric_data/	2 issues (in French)	not yet	Position of sunspot groups, sunspots evolution	crisd@aira.astro.ro
11/15/2018 17:34:26	stellar	digital	stellar spectra	1988 - 1998	optical: ~ 4300 A to 7800 A echelle spec	digitized; ASCII columns; reduced data	my computer	about 9,000 spectra	no		Cecilia Barnbaum; cbarnbau@valdosta.edu
11/15/2018 18:15:11	Global, all	Photographic plates	Global, all	1972 - 1993	optical, photographic	Not digitized	Royal Observatory of Belgium Ringlaan 3 B1180 Ukkel Belgium	1000	Digitized, available at http://archive.eso.org/wdb/wdb/eso/eso_sc_hmidt/form	In addition to the full collection of the ESO 1m Schmidt telescope (including the ESO sky surveys, which completes the Palomar Sky Survey to the South), the plates also includes partial collection from other ESO telescopes (1.5 to 3.6m diameter). Contact for generic questions: Olivier Hainaut - ESO - ohainaut@eso.org For specific questions about the plates and the collections: Dr. Jean-Pierre De Cuyper Project scientist Digitisation & Archiving Royal Observatory of Belgium Ringlaan 3 B1180 Ukkel Belgium Jean-Pierre. DeCuyper@oma.be	ohainaut@eso.org
11/16/2018 12:40:40	extragalactic	photographic	stellar spectra	1965-1980	optical	fully digitized and available	http://www.ia2-byurakan.oats.inaf.it/index.php	200 GB	logbooks, digitized	Nearly all the plates of the Markarian Survey are digitized, spectra were automatically extracted for all objects brighter than B=17 and queried at the website http://www.ia2-byurakan.oats.inaf.it/index.php	Areg Mickaelian aregmick@yahoo.com ; roberto.nesci@inaf.it

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11/16/2018 16:58:50	Stellar	Photographic	Spectra of massive and variable stars	1950-1980	Optical	Very few digitized (in the process of)	La Plata, Argentina. Offline for now.	15000 photographic plates	Several of the observing logs were digitized.	Observational collections of two very known argentinian astronomers, J. Sahade and V. Niemela	rgamen@fcaglp.unlp.edu.ar
11/16/2018 21:12:46	We are primarily an educational institution with summer programs in astrophysics and astrobiology (Duke TIP sessions). We occupy a former NASA Satellite Tracking Station in North Carolina; as such we have a 4m, 12m, and two 26m operational radio telescopes. The 4m and 12m can be operated remotely. We are part of the NASA ALL-SKY Fireball Network (MSFC). Our research-grade telescope is a 0.4 m DFM Cassegrain. For public viewing we have a variety of telescopes (4.5" - 25") for public viewing.	We are an open-archive. We accept historic astronomical records (plates, films, documents, hardware, etc.) Currently, we have plates and/or films of objects such as: stellar, meteors, solar, lunar, some planetary, chemical trails, etc. Our 350,000+ plate collections have come from institution & observatories including : YALE, Vanderbilt, University of Michigan, Case Western Reserve University, U of Texas, U of Toronto, McDonald Obs, U of Minnesota, Maria Mitchel Obs, Lamont-Hussey Obs (S. A.), David Dunlap Obs (CA), USNO (Washington, DC, and Flastaff Station), Radcliffe Obs (S.A.), Cesco Obs (AR), INAF Observatory at Torino (IT), CTIO, KPNO, Palomar Obs, CFHT Obs, Tonantzintla Obs (MX), etc.	Stellar (spectra and direct), lunar (USNO), chem trails (Wallops Island), Solar (HAO MK-III-K Coronameter), Solar eclipse (USNO), POSS-I & II, NOFS-UJ series, 52-deg field domed films (SAO Meteor Survey - White Sands Proving Ground), SAO Meteorite Photography & Recovery films and logs,	1898 to 1994	Optical (nominal) - 380nm - 720nm, Radio - 1.42, 2.2, 8.4 gigahertz	Partially, less than 10%. Dr. Nancy Houk's southern hemisphere collection may be completed in FY20.	Pisgah Astronomical Research Institute 1 PARI Drive Rosman, NC 28772 828-862-5554	350,000 plates and films.	We have a sparse collection of logbooks, except for the Yale collection. We have imaged plates and plate envelopes for a small collection of spectral plates from D.W.N. Stibbs. We have submitted a proposal to scan Dr. Houk's southern hemisphere collection from CTIO (HD-stars 2D reclassification project). We are continually looking for funds for digitization of our collection.	tbarker@pari.edu (Thurburn Barker, APDA Director - address in question 7)	
11/19/2018 1:38:58	Extragalactic	photographic	images	1950+	optical	partial	HST, Caltech/Polamar, UK Schmidt, ESO, many many desk drawers	~ 1 million	printed and hand written logs	unique time coverage	
11/22/2018 6:42:59	solar	photographic plates/films and drawings	Sun: full-disk photosphere and chromosphere, sunspots, corona	1917-1998	Ca K, Halpha, visible continuum, Fe XIV 5303	mostly digitized	Original photographic and paper materials are kept at the Mitaka campus, National Astronomical Observatory of Japan, 2-21-1 Osawa, Mitaka, Tokyo 181-8588, JAPAN Digitized data are open at https://solar.nao.mtk.nao.ac.jp/en/database.html	600GB in the digitized form	paper only	Data of spectrohelioscop - flares 1946 - 1972; sunspot drawings 1944, 1945, 1946. (1953 - 1961 only diary informations about drawings) 1961 - 1972, 1984 - nowadays, prominence drawings 1944, 1945; WL fulldisk 1944, 1945, 1956 - nowadays; solar radio spectra - metric and decimetric wavelength range: 1967 - nowadays (different status of digitisation)	contact@solar.nao.ac.jp
11/22/2018 10:00:18	Solar	photographic, drawings, observation diaries	sunspots, prominences, flares, solar spectra	1944 - nowadays (it depends on type of data)	optical (white-light, H-alpha), radio	partially digitized	Solar Department, Astronomical Institute ASCR, Fričova 298, 251 65 Ondřejov, Czech Republic http://www.asu.cas.cz/~sunwatch/new/www/public/files/archive_patro/ http://www.asu.cas.cz/~radio/info.htm	approximately 100,000	paper only, we expect digitalization some of them		exnerova@asu.cas.cz - optical; barta@asu.cas.cz - radio

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11/27/2018 13:45:11	stellar	spectroscopic plates, magnetic tapes, log of observations	stellar spectra	from 1915 to 1994	optical spectra around 3600-7000 angstrom, taken at low and high resolution. Observations were taken at the Kitt Peak Observatory, Mt Wilson Observatory, SAO, Tololo, and the observatories of Córdoba and La Plata (Argentina).	nothing digitized	Facultad de Ciencias Astronómicas y Geofísicas, University of La Plata, Paseo del Bosque S/N, CP 1900, La Plata, Argentina	15000 or 20000 plates. Some plates have 5 spectra of different stars	Regarding point 8: We plan to scan the plates and create an inventory of the materials. Digitalized spectra will be offered to the community via our virtual observatory NOVA	The data is very important because it is unique, it covers variable stars, peculiar stars, novae, etc.	lydia@fcaglp.unlp.edu.ar
11/27/2018 17:04:21	Solar Type Stars. The source of: Ca II H and K Measurements Made at Mt. Wilson Observatory, 1966-1983, D.K. Duncan, A.H. Vaughan, O.C. Wilson, G.W. Preston, J. Frazer, H. Lanning, A. Misch, J. Mueller, D. Soyumer, L. Woodard, S.L. Baliunas, R.W. Noyes, L.W. Hartmann, A. Porter, C. Zwaan, F. Middelkoop, R. Rutten, and D. Mihalas, Ap. J. Suppl., 76, 383, 1991.	Printed catalogues of data, data reduction programs for the Mt. Wilson HK project	HK photoelectric observations of solar type stars with the Mt. Wilson 60"	1960s-1980s	Calcium H and K lines and two continuum bands.	I hope that Richard Radick USAF has digitized version of most of it.	Office of Dr. Doug Duncan, Univ. of Colorado	Roughly 100 stars observed for 20 years.	I have no plans to digitize the several observing notebooks.	Unique and extremely valuable 30 years observations showing "sunspot" cycles to compare the sun to.	sure
11/28/2018 10:25:45	stellar, extragalactic	photographic and in digitized form	direct wide field observation and 4 degree objective prism (resolution ~500 at H beta) spectra	1966 -2005	direct U, B, V, R and spectral 4500 - 6800 A	direct observations fully digitized, spectral observations will digitized till 2020	Baldone Astrophysical observatory, Riekstkalns, Baldones pag., Baldones nov. Latvia, LV-2125, https://www.lu.lv/parmums/struktura/lu-baldones-observatorija/ http://www.baldoneobservatory.lu.lv To get raw scan data, please contact with Dr. I. Eglitis (ilgmars.eglitis@lu.lv)	22 000 direct (~10 TB), 2500 spectral	Have logbooks, there are plans to digitize them.	Each plate cover 19 square degree. Detailed description are here: http://adsabs.harvard.edu/abs/2016OAP...29..120E , http://adsabs.harvard.edu/abs/1998BattA...7..653A .	Dr. I.Eglitis (ilgmars.eglitis@lu.lv)
11/29/2018 4:54:19	Stellar	1) Punched paper tape observational records of H-alpha flux ratios from flare stars and Jupiter; 2) spectrodensitometer tracings from densitometers at DAO, USNRL, and the University of Calgary; 3) Printed Paper observational records of UVB photometry of variable stars from CTIO and KPNO; 4) Observing Log-books and Data reduction printouts of UBVRJHKL photoelectric photometry from KPNO, CTIO, Mt. Lemmon Infrared Observatory (UMinn-UCSD facility), Mt. Laguna, and University of Calgary; 5) Numerical experiment plots and print outs of infrared passband designs and test.	See answers to No. 2	1964-2008	See answers to No. 2	As stated in No. 2; some photoelectric data are on 4 and 8 mm DAT tapes, of unknown readability; RADS data from the RAO are on 3 1/2-in diskettes. I have some CCD data (>3 GB of data from the University of Calgary Patrol Camera).	Most are at my personal residence and digital data on my desk-top computer's hard drive; the DAT tapes are in the Physics & Astronomy Data Reduction Lab, Physics & Astronomy Department, Science B, University of Calgary.	About 20 storage boxes of bulk material: DAT tapes fill a shelf of a half-sized storage cabinet.	No plans to digitize the bulk material at this point.	They are all unique, but at least half of the printed material has been summarized in publications.	E. F. Milone: milone@ucalgary.ca

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11/29/2018 8:51:29	comets	photographic	C/1996 B2 (Hyakutake)	20.03.1996 - 15.04.1996	optical	Fully digitized and available	https://yadi.sk/d/MaPVV8C9vRGr2	approximately 40 images of 2 megabytes, a total of approximately 80 megabytes	There is a log of observations, a publication is being prepared.	The observations were carried out at multi-day time intervals on the Zeiss-400/2000 astrograph of the Zvenigorod Observatory. The main part of the archive includes images of bright comets: IRAS-Araki-Alcock, Halley, Hiakutake, Hale-Bopp, Kohoutek. The dimensions of comets on some plates reach 6.3° (23 cm). Some of the images are of interest to researchers of the physics of the process of mass loss by the nucleus and the processes of gas dynamics in detail. Especially important the multi-day series of observations.	mail: svvs@ya.ru to: S. Vereshchagin
11/30/2018 13:28:09	stellar, cometary	photographic (glass plates), CCD images and photoelectric photometer counts on magnetic tape, magneto-optical disk, CD	stellar fields for photometry and astrometry of stars and asteroids, photoelectric photometry of variable stars, images of comets	<1960-2010 (approximately)	optical, various bands	partially digitized, data on magnetic media requires functioning reader/device	Cracow Pedagogical University and Jagiellonian University (not yet available online)	~5000 glass plates, probably tens of thousands of CCD images, hundreds of photoelectric photometry data runs	photographic plates should have logbooks on paper (however some are missing), some imaged but not transcribed. CCD images and photoelectric photometry files have header metadata but this is not complete by modern standards (e.g. no WCS). Yes, both digitization and inventory is ongoing.	greg@astro.as.up.krakow.pl	
12/3/2018 17:17:32	stellar	photo plates	stellar brightness	7 decades	optical	partially digitized	Sonneberg, Odessa, Harvard	In case of Sonneberg approx. 270 000 photographic plates.	I don't know.	The Harvard, Odessa (Ukraine) and Sonneberg (former Eastern Germany) Observatories possess enormous amounts of photographic plates that have been, are being, or need to be digitized before they deteriorate to the extent of being unusable. They contain invaluable historical data for the study of variable stars that will soon be lost. It is desirable that they will be fully digitized and made openly and freely available to the broader community (including amateurs). The Sonneberg plates, for instance, are currently owned by a private company that makes data of a small number of objects available on request, for larger data volumes they ask for significant financial contributions.	
12/4/2018 5:28:31	Planetary nebulae	films (35x24)	Spectra	1970 - 2000	3800-5200A 5800-7200A	nothing digitized, but partially processed and published	http://aphi.kz	About 4500 files	Logbooks of observations	Mostly there were planetaries with the small sizes, for some of them (about 10) spectra were obtained for the first time.	lu_kondr@mail.ru

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12/4/2018 6:14:18	Planetary nebulae and Be stars	CCD files in fits format	Spectra and B V R images	2001 - 2018	4300 - 5100A 6200 -7000A 5800 -7400 A	Fully digitized and available	https://aphi.kz	About 400 files	personal notebooks		lu_kondr@mail.ru
12/4/2018 6:19:55	Binary stellar systems with the X-ray components	CCD files in fits format	spectral and photometric B V R	2013 - 2018	4300 - 5100A; 6200 - 7000A; 4000 - 5200A; 5800 - 7400A; B V R images	Fully digitized and available	https://aphi.kz	about 300 spectra, about 200 B V R images	personal notebooks		lu_kondr@mail.ru
12/4/2018 10:15:42	solar	photographic	white light	1950s - 1980s	optical	partially digitized	Schauinsland Observatory, Oberried-Hofgrund, Germany	Not clear	No plans		Markus Roth; mroth@leibniz-kis.de
12/4/2018 22:40:08	stellar	photometric fits	frames of stellar fields		8 optical B, V, R, I	Fully digitized and available	on my harddisk	10 GB	protocols - paper only, without plans		nadseni.promenari@astronomie.cz
12/5/2018 9:48:12	Solar observations	Printed solar maps from an "ancient" pen printer, no digital original exists	Solar disk at 37 GHz; specifically, solar brightness at 37 GHz, scanned with radio telescope with 2.4 arcmin beamwidth.	1974-1990 (after which everything is available digitally)	37 GHz radio; some 22 GHz and 87 GHz maps as well.	Fully digitized and being made available.	Physical: Metsähovi Radio Observatory, Finland. Not yet online.	~1000 maps.	Uncertain (TBD). Most likely only time, date, frequency available.	Solar maps are being made daily, see http://www.metsahovi.fi/solar-gallery . The early years/decades only existed in paper format, until a software was developed that read the scanned paper contour maps and digitized the data so that they can be "re-plotted" to match the current format.	joni.tammi@aalto.fi
12/5/2018 17:46:36	Stellar	Photographic plates	direct images (mostly 5" x 7") , and objective prism plates (mostly 10" x 10")	1914-1995	optical	nothing digitized	Leander McCormick Observatory, University of Virginia, Charlottesville VA	150,000 plates	logbooks, observing cards, personal notes. Almost all paper only, but the contents of most of the observing logbooks have been keyed into a database. There are plans to create an inventory, and digitize these materials, in collaboration with the University of Virginia Library.	The majority of the collection are parallax plates from the 26-inch long focus refractor at McCormick Observatory. In addition, there are similar plates from the Yale-Columbia refractor. Some of the collection has been previously measured (by manual micrometer, or digitized by a microdensitometer for the purposes of measuring stellar positions of a small section of each photographic plate). There are other smaller collections of photographic plates, the most significant of which is the Vyssotsky northern sky objective prism survey plates. The survey was targeting M dwarfs (to provide the first kinematically unbiased sample for parallax work), and each candidate is still marked on the plates.	Ricky Patterson ricky@virginia.edu
12/6/2018 8:17:29	Solar Physics	Photographic negatives	Photographic negatives	1958-1988	H-alpha	Not yet digitized	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	~40'000 negatives	http://www.specola.ch/e/imagelist.htm#halfa	photographic negatives of full solar disk	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/6/2018 8:19:02	Solar Physics	Paper registration (tables)	Solar eruptions	1959-1979	H-alpha	Not yet digitized	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	4 binders	Metadata not available yet.	tables, in part original, in part copies of originals sent to Meudon	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/6/2018 8:20:36	Solar Physics	Paper registration (tables, diagrams)	Solar eruptions	1966-1975	H-alpha	Not yet digitized	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	1 binder	Metadata not available yet.	tables and diagrams, undefined origin	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)

Timestamp	1. Area of research (e.g., extragalactic, stellar, solar, meteors, lunar, planetary).	2. Type of data (e.g., photographic, drawings, magnetic tape, etc).	3. Object (e.g., sunspots, stellar spectra, magnetograms, etc).	4. Years of coverage	5. Wavelength (radio, optical, can be specific wavelength band etc).	6. State of digitization: Fully digitized and available; partially digitized; nothing digitized	7. Location (i.e., physical address and/or html/ftp address for accessing the data).	8. Approximate volume of data (e.g. number of records)	9. Metadata (logbooks, personal notebooks, or what) and their state: digitized, imaged, paper only. Are there any plans to digitize them and create an inventory of the materials to which they refer?	10. Comments related to the above questions (e.g., perceived importance or uniqueness of dataset, more detailed description of objects in item 3, etc) .	11. Contact for further information on your submission
12/6/2018 8:22:08	Solar Physics	Paper registration (tables and drawings)	Sunspots	1961-1980	Optical	Not yet digitized	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	1 binder	Metadata not available yet.	tables and drawings of single sunspots groups to measure sunspots areas	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/6/2018 8:23:28	Solar Physics	Paper registration (tables)	Sunspots	1945-1970	Optical	Digitization planned in next 1 year (http://archivdatenbank-online.ethz.ch/hsa/#/)	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	5 binders	Metadata not available yet.	tables of sunspot countings collected by other observatories and compiled by ETH-Zürich's staff	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/6/2018 8:25:07	Solar Physics	Photographic negatives	Solar disk	1958-1983	Calcium II K	Not yet digitized	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	~12'000 negatives	Metadata not available yet.	photographic negatives of full solar disk	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/6/2018 8:26:19	Solar Physics	Photographic negatives	Solar disk	1960-1982	Optical	Not yet digitized	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	~12'000 negatives	http://www.specola.ch/e/imagelist.htm#cont	photographic negatives of full solar disk	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/6/2018 8:28:06	Solar Physics	Photographic	Solar disk	30'40-50	Optical	Not yet digitized	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	~650 photos	Metadata not available yet.	photos of full solar disk and solar spectra from different sources in Arosa (by Max Waldmeier), in Zürich (photos and spectra) and in Locarno (by Karl Rapp)	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/6/2018 8:29:19	Solar Physics	Drawings	Solar active regions, Solar prominences	1967-1979	Calcium II K / H-alpha	Digitization planned in next 5 years	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	~2'000 drawings	Metadata not available yet.	daily full solar disk drawings of solar active regions and solar prominences, unique original dataset	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/6/2018 8:30:37	Solar Physics	Drawings	Sunspots	1981-2018	Optical	Fully digitized and available, new digitization planned in next 5 years (http://archivdatenbank-online.ethz.ch/hsa/#/)	Now at Specola Solare Ticinese, will soon be transferred to ETH-Zürich	~12'000 drawings	Paper logbooks. Digital metadata in preparation.	daily full solar disk drawings of sunspots, unique original dataset, http://www.specola.ch/e/drawings.html	Specola Solare Ticinese, Marco Cagnotti (cagnotti@specola.ch), Renzo Ramelli (ramelli@irsol.ch)
12/7/2018 5:17:59	nebulae, galaxies, comets, asteroids	photos	images	1950 - 1992	optical	about 80% digitized	Fesenkov Astrophysical Institute, Almaty, Kazakhstan https://aphi.kz	about 6000	Logbooks, digitization will continue		svetamoshkina@mail.ru
12/7/2018 5:29:13	Comets	glass photographic plates	images of comets	1951 - 1984	optical	Mostly digitized	Fesenkov Astrophysical Institute, Almaty, Kazakhstan https://aphi.kz	988 plates	Logbooks Digitazion will be finished		sveta-moshkina@mail.ru
12/8/2018 1:16:07	Includes virtually every area of optical research; largest holdings are stellar, but also include substantial holdings of solar (and solar eclipse), lunar, planetary, cometary, and extragalactic. Also some meteorological and seismic records.	Primarily photographic; some chart recordings; some early drawings	High, medium, and low-dispersion spectra (some slitless) of a wide variety of object types including single and binary stars, cluster stars, planets, comets, galaxies, IGM, diffuse and planetary nebulae, and solar corona and chromosphere. Direct imaging at a variety of sizes and plate scales, including Moon, planets, comets, galactic and globular clusters, diffuse and planetary nebulae, wide-field Milky Way, daily full-disk solar, total solar eclipses, full northern-sky astrometric survey, transits, minor planet series, and star fields.	1888 to approximately 1985	optical	Very few digitized (though many measured or described and published).	Lick Observatory 7281 Mt. Hamilton Rd. Mt. Hamilton, California 95140	150,000 glass plates (rough estimate)	2,000 logbooks (late 1800s to mid 1900s), including observing logs, plate records, reduction books, and miscellany.	The types of objects listed in item 3 are the major categories and not exhaustive.	Tony Misch (tony@uclick.org)

Timestamp	1. Area of research (e.g., extragalactic, stellar, solar, meteors, lunar, planetary).	2. Type of data (e.g., photographic, drawings, magnetic tape, etc).	3. Object (e.g., sunspots, stellar spectra, magnetograms, etc).	4. Years of coverage	5. Wavelength (radio, optical, can be specific wavelength band etc).	6. State of digitization: Fully digitized and available; partially digitized; nothing digitized	7. Location (i.e., physical address and/or html/ftp address for accessing the data).	8. Approximate volume of data (e.g. number of records)	9. Metadata (logbooks, personal notebooks, or what) and their state: digitized, imaged, paper only. Are there any plans to digitize them and create an inventory of the materials to which they refer?	10. Comments related to the above questions (e.g., perceived importance or uniqueness of dataset, more detailed description of objects in item 3, etc) .	11. Contact for further information on your submission
12/11/2018 16:42:24	solar	photo plates and also digitized data	Ca K and broad band full disk solar images	approximately 1906 - present (?)	optical	Fully digitized, but also original plates	Various locations for original plates: Carnegie Observatories, UCLA (?), NSO, Kodaikanal, India etc. Digital data at e.g. WDC Boulder and for Kodaikanal data on their website.	tens of thousands of plates, digitizations available on line for MWO data at WDC Boulder and for Kodaikanal data on their website.	Logbooks for MWO plates were digitized at UCLA. Not clear whether that record still exists.	Valuable record of solar magnetic activity extending to beginning of 20th century.	Peter Foukal; pvfoukal@comcast.net
12/24/2018 20:43:28	Comets	FITS files on magnetic disks	FITS images of Comets	2013 to 2018	Optical	Fully digitized	Cortijo El Cerezo, Torvizcon 18430, Granada, Spain	190,000 RAW, Reduced, Flats and Darks	plans to document equipment used.	Every major comet observed since and including ISON. Various outbursts captured. I have raised the issue of the need to have a system for storing historical magnetic data for a number of years, especially the need for various tools required to both populate FITS files with additional information and to put it into a common file name and directory structure.	tony_angel_uk@hotmail.com
1/2/2019 13:40:02	astrometry	photographic	stars, planets, satellites of planets, minor planets	1929-1998	optical	fully digitized	http://www.nao.nikolaev.ua/index.php?catalog_id=305 .	8800	all logbooks digitized, all data includes in website	http://www.nao.nikolaev.ua/index.php?catalog_id=399	yuri@nao.nikolaev.ua
1/21/2019 1:40:01	Stellar	Photographic spectral plates, digitized to punch cards	Late type stars	pre 1964	optical	don't know	David Dunlap Observatory Canada, Ken Yoss U. III.	Don't remember	Digitized on cards in 1964	I remember them as quality spectra of late type stars	Dr. Art Poland art.poland@yahoo.com
2/26/2019 22:10:44	Meteors	Data on paper , paper data carriers (observation journals, scientific journals, books, dissertations and reports), magnetic tapes, drawings, photographs on films, punched tapes, floppy disks	The number of meteor radar reflections, the amplitude-time characteristic of the meteor echo, the speed of the meteor body, the coordinates of the reflecting point on the meteor trail, the coordinates of the meteor radiant in various coordinate systems, the elements of the heliocentric orbit of meteoroids	1957-1959, 1967-1971, 1972-1978, ~1980th-1990	Radio ~8-10 m	Partially digitized and converted to electronic form (1972-1978)	Kharkiv National University of Radio Electronics, 14 Nauky ave., Kharkiv 61166 Ukraine http://nure.ua/en/branch/radio-astronomy-research-laboratory-named-b-l-kascheyev-of-research-department	~150 000 meteoroids orbits, velocities and radiants coordinates /together with the same parameters of 5160 meteor showers and accotiations (1972-1978), ~90, 000 meteoroids orbits, velocities and radiants coordinates (1967-1971), the total number of sporadic and streaming meteors has a millionth order	Metadata (personal notebooks, unordered archives): till now a small part of the data was published in the form of paper books, soon one of the catalogs 2018 will be online, two catalogs was transferred to the World Data Center B in Moscow (in 1976-1977 and in 1980), the catalog of meteor showers was published in 2011, also there is a published paper catalog in the 1960s. There are plans to digitize majority archive data and create an inventory of the materials to which they refer if the condition of proper financing will met	Some data were associated with international geophysical projects (for example, the International Geophysical Year 1957-1958) and were associated with World Data Centers. About the importance or uniqueness of the data set, for example, you can see : https://ieeexplore.ieee.org/document/6335836	Dr Svitlana Kolomijets, E-mail: svitlana.kolomijets@nure.ua
3/13/2019 21:06:33	Stellar astronomy	Photographic plates (there are about 15 major collections in North America, see https://aas.org/files/census-report-final.pdf and Osborn and Robins, 2009. Preserving Astronomy's Photographic Heritage)	Direct photographs, objective prism photographs, photographic slit spectra	1880 - 1990	Mainly optical, some near IR	Harvard collection being partially digitized; other collections little digitization. In some cases the metadata (observing logs) are available on-line	Major plate collections at Harvard, Carnegie Observatories (Mt. Wilson and some Palomar plates), Allegheny, Yerkes, McCormick, Lowell, KPNO, Palomar Observatories and PARI research center in USA; Univ. Toronto (DDO) and Hertzberg Inst. Astrophysics (DAO) in Canada.	3,000,000 plates plus unknown log books and other records	Some places (e.g., U. Toronto, Harvard) have digitized their log books	This questionnaire is suitable for individual records e.g., Yerkes Observatory plates), not for records in a general sense (e.g., astronomical plates). Each observatory mentioned should be contacted for their response. I could provide rough information for each.	Wayne Osborn (Osbor1wh@cmich.edu)
3/13/2019 21:11:42	Stellar, planetary, other	Drawings and observations	Visual observations of variable stars, planets, comets, etc.	1885 - 1922	Optical (visual)	None	University of Chicago special collections: papers of E. E. Barnard	70 notebooks plus other records.	See above	Has data of scientific interest (I have used some of it)	Wayne Osborn
3/14/2019 9:28:48	Solar	Drawings	Faculae, filaments, prominences	1973, 1974 and 1996	Halpaha	nothing difitized	INAF - Catania Astrophysical Observatory	hundreds	At the moment no plan to digitize them		Paolo Romano (paolo.romano@inaf.it)

Timestamp	1. Area of research (e.g., extragalactic, stellar, solar, meteors, lunar, planetary).	2. Type of data (e.g., photographic, drawings, magnetic tape, etc).	3. Object (e.g., sunspots, stellar spectra, magnetograms, etc).	4. Years of coverage	5. Wavelength (radio, optical, can be specific wavelength band etc).	6. State of digitization: Fully digitized and available; partially digitized; nothing digitized	7. Location (i.e., physical address and/or html/ftp address for accessing the data).	8. Approximate volume of data (e.g. number of records)	9. Metadata (logbooks, personal notebooks, or what) and their state: digitized, imaged, paper only. Are there any plans to digitize them and create an inventory of the materials to which they refer?	10. Comments related to the above questions (e.g., perceived importance or uniqueness of dataset, more detailed description of objects in item 3, etc) .	11. Contact for further information on your submission
3/14/2019 9:48:21	Solar	Drawings	Sunspots	1865-1890, 1934-1964, 1996-up today	White Light	Only drawings from Nov 1865 to Jun 1877 have been partially digitized	INAF - Catania Astrophysical Observatory	Thousands	At the moment no plan to digitize them	Paolo Romano (paolo.romano@inaf.it)	
3/14/2019 9:52:15	Solar	photographic	Full disk photosphere	1968-1996	White light	Nothing digitized	INAF - Catania Astrophysical Observatory	Thousands	At the moment no plan to digitize them	Paolo Romano (paolo.romano@inaf.it)	
3/14/2019 9:57:38	Solar	photographic	Full disc chromosphere	1960-1995	Halpha and Ca K (1964-1977)	Nothing digitized	INAF - Catania Astrophysical Observatory	Thousands	At the moment no plan to digitize them	Paolo Romano (paolo.romano@inaf.it)	
3/15/2019 19:40:05	Atmospheric, solar	handwritten observation notes	Sun	1943-1953	optical	poorly digitized	John Hay Library, Brown University, Providence, RI, USA	~450 page, perhaps more, including some expository material	some expository material available mixed in with records	Jennifer Bartlett or James Hilton, US Naval Observatory, USA	
3/15/2019 20:29:26	atmospheric, solar	sunset timings	Sun	March 1987-November 1991	optical	fully digitized	U.S. Naval Observatory, Washington, DC	~250 records	a few pages of explanatory information, fully digitized, possible interest in publishing or publicly releasing	One of a handful of known datasets of sunset observations	Jennifer Bartlett or James Hilton, U.S. Naval Observatory
3/18/2019 1:47:15	stellar, lunar, planetary	photographic plates	direct images	~1900-1980s	optical	nothing digitized	all plates turned over to PARI as part of long-term educational loan	ten of thousands of plates	some metadata, but some is only on sleeves plates stored in. All with plates at PARI.		brian.d.mason@navy.mil
9/23/2019 6:22:25	Solar	Photographic, digital	Full Sun, sunspots, filaments, prominences, active regions, coronal holes, type III bursts, synoptic maps	1919-now: Full Sun ; 1996-2015 : features; 1919-2002: synoptic maps	Optical	Partially digitized for full Sun, fully for the rest	http://bass2000.obspm.fr/ and http://voparis-helio.obspm.fr/hfc-gui/	100 000+ full Sun, approx 1 000 000 for solar features	None - but an EPN-TAP cover gives VO access to the data (http://voparis-tap-helio.obspm.fr/_system_/dc_tables/show/tableinfo/hfcartest_epn_core for features)	We provide also in BASS2000 a high resolution solar spectrum from 67 to 161 nm and from 300 to 5400 nm	Jean. Abouardham@obspm.fr
11/14/2019 14:26:03	solar	photographic	whitelight intensitygramms	1943-1964	visible	nothing digitized	Austria, Observatory Kanzelhöhe, 9521 Treffen	3000	paper only	planned to digitize	werner.poetzi@uni-graz.at
11/14/2019 14:28:11	solar	whitelight intensitygrams	solar eclipse, mercurytransit	1,954,197,319,701,970	visible	nothing digitized	Austria, Observatory Kanzelhöhe, 9521 Treffen	200	paper only	planned to digitize	werner.poetzi@uni-graz.at
11/14/2019 14:30:28	solar chromosphere	photographic	full disk sun	1958-1963,1971-1973	H-Alpha (656.3nm)	nothing digitized	Austria, Observatory Kanzelhöhe, 9521 Treffen	5000	paper only		werner.poetzi@uni-graz.at
11/14/2019 14:31:48	solar	photographic	solar corona	1947-1963	?	nothing digitized	Austria, Observatory Kanzelhöhe, 9521 Treffen	7000	paper only		werner.poetzi@uni-graz.at
11/14/2019 14:36:01	solar	photographic	chromosphere	1973-2000	H-alpha (656.3 nm)	fully digitized available	http://cesar.kso.ac.at/hafilma/	500000	FITS header		werner.poetzi@uni-graz.at
11/14/2019 14:37:46	solar	photographic	whitelight intensitygrams	1989-2007	visible	fully digitized	http://cesar.kso.ac.at/phokas/	15000	FITS header		werner.poetzi@uni-graz.at
11/14/2019 15:17:18	solar	drawings	sunspots	1944-	visible	digitized and database	http://cesar.kso.ac.at/synoptic/draw_years.php	20000	http://cesar.kso.ac.at/spots/kh_spotsquery.php		werner.poetzi@uni-graz.at
6/12/2021 18:27:35	Stellar	Photographic spectra by Nolan Walborn	Very massive stars	1971 - 1980	Optical	Not digitized. Digitization can be requested	Stored at Yerkes Observatory, Williams Bay, WI, USA	1200 spectrograms	Copies of observing log books available	These observation are of objects expected to become supernovae sometime in the future.	Wayne Osborn (Wayne.osborn@cmich.edu)