

Historical Archive at the **European Southern Observatory**

Leslie Kiefer

Library, Documentation, and Information Services (LDIS) department European Southern Observatory (ESO)

+ES+ 0 +

ESO (European Southern Observatory)

- pre-eminent intergovernmental science and technology organization in astronomy.
- design, construct and operate powerful ground-based observing facilities
- enable important scientific discoveries
 - ESO Headquarters: Garching, near Munich, Germany
 - ESO offices in Chile: Vitacura Santiago, Chile





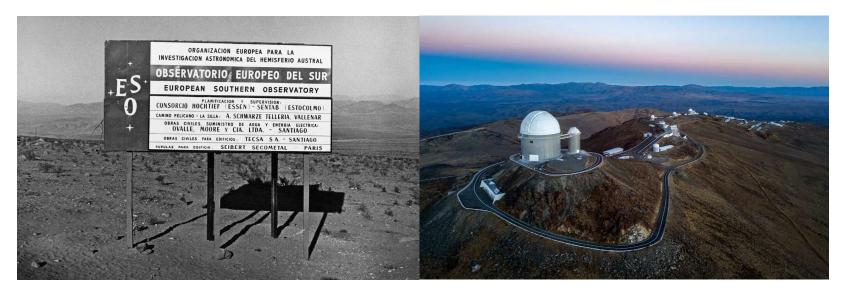
ESO Sites

+ES+ 0 +

La Silla

La Silla Observatory is located on the outskirts of the Chilean Atacama Desert, 600 km north of Santiago de Chile and at an altitude of 2400 meters.

In 1969, ESO found its first observing site.



Credit: Gerhard Hüdepohl/ESO

Paranal



At 2635 meters above sea level in the Atacama Desert of Chile, ESO's Paranal Observatory founded in 1996, is one of the very best astronomical observing sites in the world.

It hosts several world-class telescopes; among them are the Very Large Telescope and the Visible and Infrared Survey Telescope for Astronomy.



Credit: G.Hüdepohl (atacamaphoto.com)/ESO



The Library, Documentation, and Information Services (LDIS) department

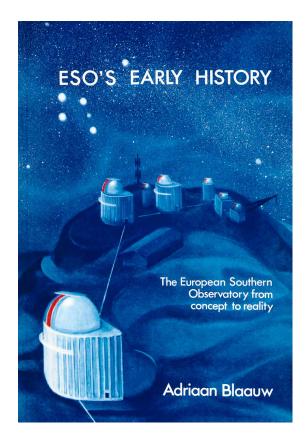
Historical Archive Project



The history of astronomy in documents

190 items identified in our Library Catalog.

- Documents added as a result of correspondence carried out in the course of writing the book "ESO's Early History".
- A collection from Jan Oort (Initiator of ESO in the year 1953, was Chairman of the ESO Committee in 1957-1963, and first President of the Council, during the years 1964 and 1965)
- Archives of Adriaan Blaauw (was involved in the creation of ESO as Secretary of the ESO Committee, as Scientific Director in 1968-1969, and as Director General during 1970-1974.)
- Archives of Harry van der Laan (Director General of ESO during the years 1988 – 1992)



Credit: ESO

The history of astronomy in documents

What can we find here?

- Internal documents
 - Correspondence
 - Meetings reports
- · Documents about the construction of the sites, why Chile?
- Finance reports
- Agreements with other institutions
- Pictures

Frei Inaugurará Nuevo Observatorio "La Silla"

LA SERENA.— El Presidente de la Republich, Edurardo Frei Montalva, inaugurarà oficialmente el Observatorio Astronómico T.a Silla" durante una cominio T.a Silla" durante una cominio T.a Silla" durante una con la conación de la Cincia de Para Conación, a ciencia de la Cincia de Para concurrir a este ación de la Cincia del Cincia de la Cincia de la Cincia de la Cincia del Cincia de

EL OBERVATORIO

"LA SILLA"

"LA SILLA"

"LA SILLA"

Este es el segundo observatoto que inaugura el Presidente
te la Regobilo en la provincia
te la Regobilo en la provincia
te la Regobilo en la provincia
te la Regobilo en la rovincia
te la Regobilo en la Regobilo
te la Regobilo
te la Regobilo en la Regobilo
te la Regob





What about the materials that are not so obviously historical?

+ES+ 0 +

Motivations

It has come to the Library's attention that there is a great amount of La Silla documentation that may be of historical interest for ESO or the astronomy field generally, but which has not been digitized or even deliberately preserved at all. (Gomez, M., 2017)



- Documents we can find:
 - Binders with typed or handwritten notes; manuals (either ESO- or manufacturerproduced)
 - Memoranda; logs; purchase orders and observing proposal forms.
 - Technical drawings (loose, or stored in a cabinet, flat or hanging) or binders.



What we have so far

Inventory made by former colleagues Maria Eugenia Gomez and Dominic Bordelon.

- 2017 trip to La Silla and Paranal
 - "At La Silla, we visited several telescopes (Schmidt, 3.6m, ESO 1.5m, 1m), the Astro Workshop, and the former Maintenance and Construction office. At Paranal, we visited the Documentation Room located at the base camp, where several cabinets of La Silla technical drawings have been stored recently."

Sheets by telescope and format	
Sum of # sheets	
24	
879	
202	
46	
1094	
878	
454	
4210	
7787	



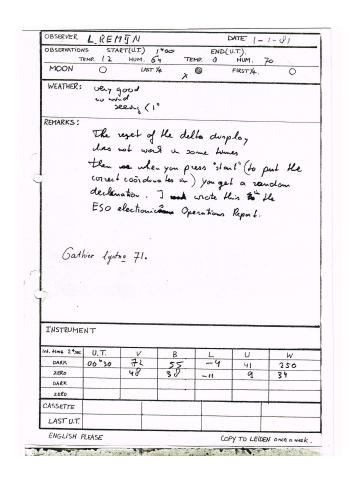


La Silla digitization project

Scan of telescope operations reports from "golden years" of La Silla 70s, 80s & 90s, by Harri Lindgren.

At this moment all telescopes there were in operation.

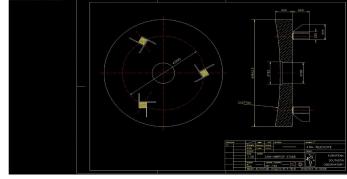
Around 2500 pages scanned so far.





What kind of problems do we face

- What materials are we going to select
- Not a priority for the institution for current operations
- Limited staff and time
- Duplicates and old formats
- Main materials in the observation sites, difficult access and not ideal storage conditions
- Not all rooms with important documentation have been identified









Conclusions

- Large amount of material; which ones to choose for digitization project?
- Categorization: by Telescope? Instrument? Building? Something else?
- It's a long term project
- Help with the technical data for more detailed cataloguing
- Decide technical details, e.g., tools, file format, storage options (Phase 2)



Thank you!

Leslie Kiefer leslie.kiefer@eso.org

- f @ESOAstronomy
- @esoastronomy
- @ESO
- in european-southern-observatory
- @ESOobservatory