

## Data Rescue Activities at NCEI

Jason Cooper, Archivist
Data Stewardship Division

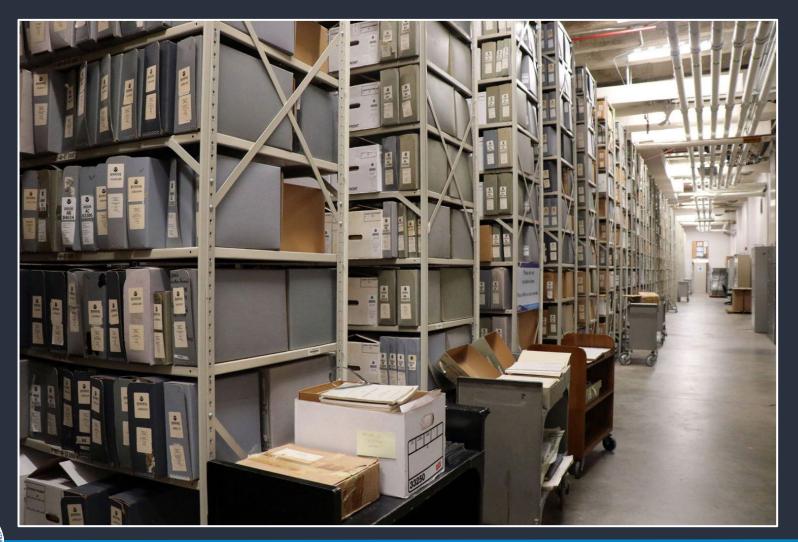
19 September 2024

#### **Archives Overview**

- Archive established in the 1930s
  - US Weather Bureau offices instructed to send records to the Data Tabulation Center in New Orleans
  - US Army and Navy records also consolidated here
- Moved to Asheville in 1951, to present location in 1994.
- Keying (first "punching") began in the late 1950s. Cards fed into mainframe computers.
- Scanning began in the mid-late 1990s.



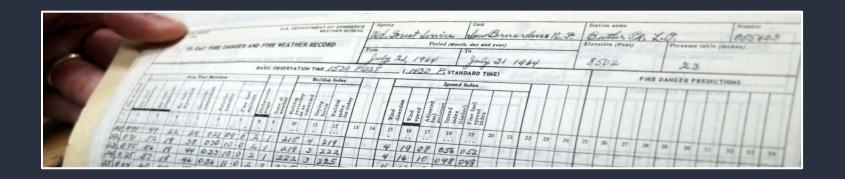
#### **Archives Overview**



• Total ~15,000 ft<sup>2</sup> (~1,400 m<sup>2</sup>)

 Main room 9,826 ft² (912 m²)





Paper: ~50,000 boxes

Primary collections:

- US Military observations
- US NWS & Pre-NWS obs
- Charts

- Publications
- "Foreign Data Library"







Microfilm

~130,000 reels

16mm and 35mm

#### Primary collections:

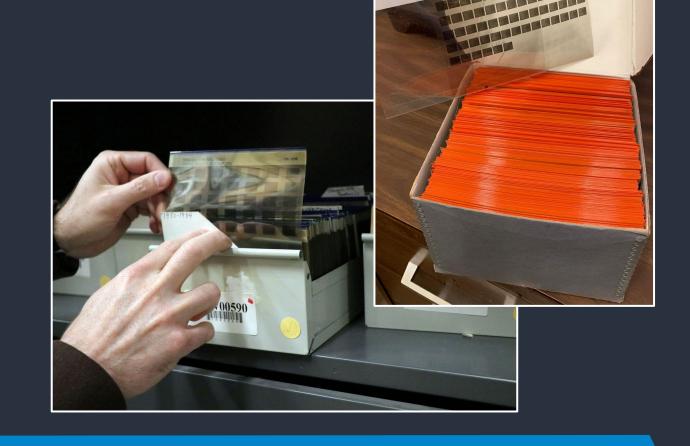
- US NWS radar
- US NWS charts
  - maps & autographic
- Non-US collections



Microfiche ~800,000 pieces

#### Primary collections:

- US Military observations
- US NWS Cooperative obs





Other Films

~2,000 boxes

~15,000 canisters

#### Primary collection:

- US satellite observations
- Ionospheric observations







#### Data Rescue: the CDMP era



### "The heyday of US environmental data rescue"

- 1999 March 15, 2011
- US Congressional appropriation
- > 50 million records scanned
- TIFF, JPG, PDF formats
- More than weather



#### Data Rescue: Post-CDMP

- No dedicated program, project, or funding
- 1 to 2.5 FTE (Full-Time Equivalent)
  - analog archives management
  - cataloging
  - customer service
  - rescue/migration activities
- Complete collections begun under CDMP
- Respond to customer requests
- Utilize funds left over from other projects
- Leverage partnerships to rescue/migrate data



#### Data Rescue: Post-CDMP

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Macau Publications												
Coast Guard												
*Satellite Imagery (NHC)												
*New Caledonia												
*Satellite Imagery (NSIDC)												
*WWII US Navy Ships												
Coop Obs MT/ID/WA/OR												
Alaska Hourly Obs												
*Fire Weather Obs												
Tsunami Marigrams												
Cooperative Obs WY												
Central Park Obs												





National Centers for Environmental Information (NCEI)

#### Looking forward

- Expand inventory accessibility
- Enable public access
- Continue small projects
- Continue customer service
- Textract



Description	Country	Begin D
GENERAL RESULTS OF THE OBSERVATIONS IN MAGNETISM AND METEOROLOGY MADE AT MAKERSTOUN IN SCOTLAND IN THE OBSERVATORY OF GENERAL SIR THOMAS MAKDOUGALL BRISBANE WITH DETAILED TABLES OF RESULTS FOR THE YEARS 1845 AND 1846	UK	1845-01-
REFERENCE MANUAL FOR SURFACE MARINE CARD FORM 789 (1854-1953) SERIES 1-7	UK	1854-01-
REFERENCE MANUAL FOR SURFACE MARINE CARD FORMAT SERIES 15 (GERMAN) DATA (1860-1939)	UK	1860-01-
BRITISH ISLES WEATHER TYPES AND A REGISTER OF THE DAILY SEQUENCE OF CIRCULATION PATTERNS 1861-1971	UK	1861-01-
SYNOPTIC WEATHER-CHARTS OF THE INDIAN OCEAN FOR FEBRUARY, 1861	UK	1861-02-
CLIMATE AND WEATHER OF THE BRITISH ISLES, CLIMATE	UK	1868-01-
AIR FORCE-AWS PUBLICATIONS BRITISH ISLES	UK	1868-01-
GREAT BRITAIN DAILY WEATHER REPORT	UK	1868-07-





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