Facility

2021-05-19

- Department Shared Instrument
- □□□□□□□□□□□
- □□□□□□□□□□
- □□□□□□□□□□□□
- Sample and Material

EPS Department Shared Instrument

About EPS Department Shared Instrument

EPS Department maintains instrument such as analytical devices with especially high commonality. As of April 2014, we possess following 9 devices (detailed descriptions are given under each item). Contact the manager of respective device for details.

Eligibility for Use

Any student (including both undergraduate courses), faculty members and researchers belonging EPS Department are elibigle for using the following devices, but be reminded a certain level of training is needed for self-use (with some exceptions). Students, faculty members and researchers of other department can also be eligible for instrument use, but contact instrument managers for details.

Cost for Use

Fee is incurred on either individuals or laboratory for using EPS Department shared equipment and requesting managers for operation. If students and researchers are to use shared equipment, ensure that they consult with faculty of each laboratory. Contact equipment managers for fee or cost of

using each device.

Inst.#	Instrument	Manager	Extension	Email*
1	X-ray Powder Diffractometer for Multi-sample Measurement (XRD)	Akihiro Kobayashi	24557	akobayashi
2	X-ray Powder Diffractometer (XRD)	Koji Ichimura	24557	ichimura
3	High Resolution Field Emission-Scanning Electron Microscope (FE-SEM)	Koji Ichimura	24557	ichimura
4	Field Emission-Scanning Electron Microscope (FE-SEM)	Hideto Yoshida	24528	yoshida
5	Electron Probe Micro Analyzer (EPMA)	Hideto Yoshida	24528	yoshida
6	Electron Probe Micro Analyzer (FE-EPMA)	Koji Ichimura	24557	ichimura
8	Stable Isotope Ratio Mass Spectrometer (IS-MS)	Akihiro Kobayashi	24557	akobayashi
9	Laser Ablation-Plasma Ion Source Mass Spectrometer (LA-ICPMS)	Akihiro Kobayashi	24557	akobayashi

* Add @eps.s.u-tokyo.ac.jp after “Email”.

X-ray Powder Diffractometer for Multi-sample Measurement (XRD)

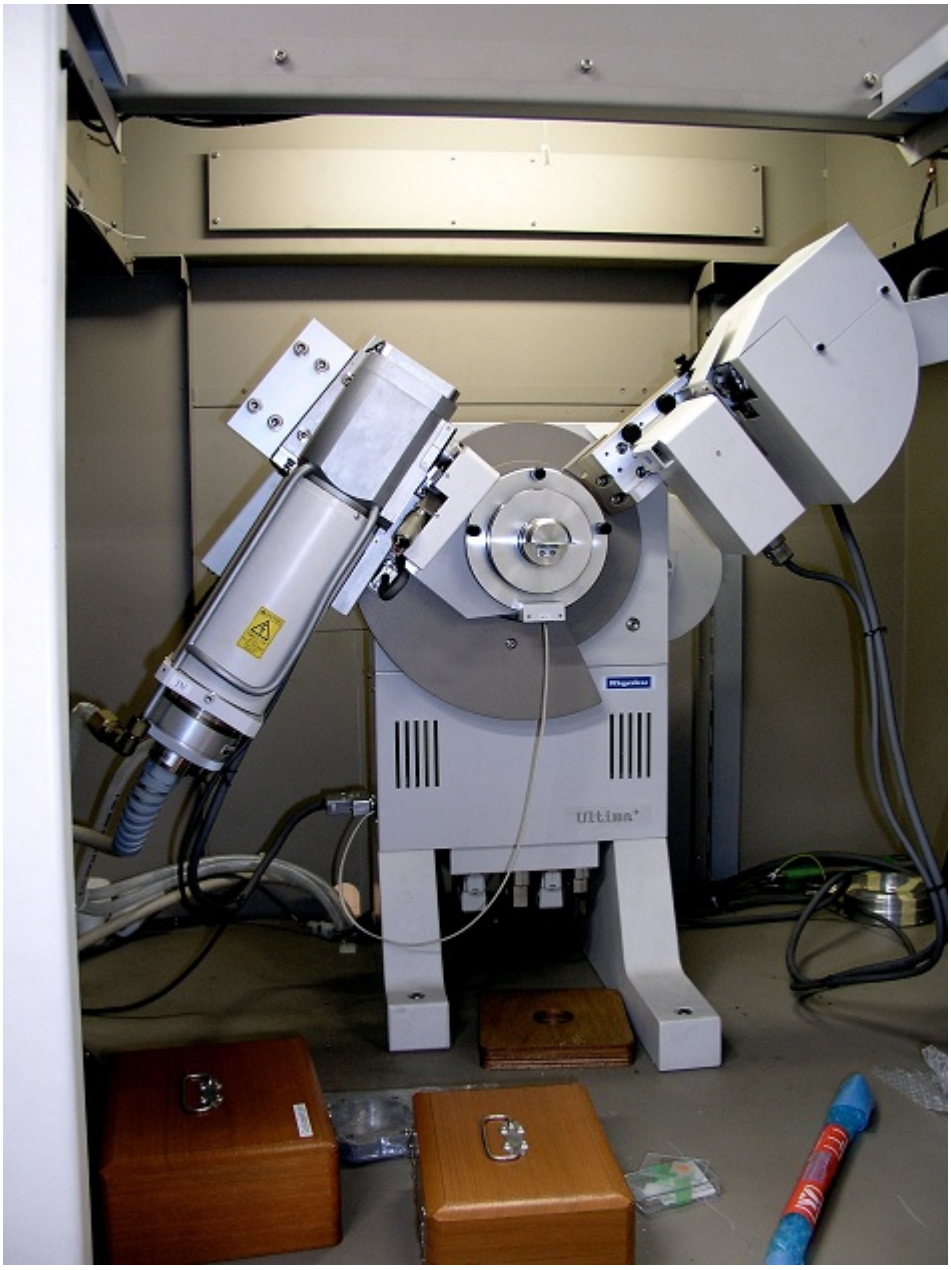
Instrument # 1

Instrument: X-ray Powder Diffractometer for Multi-sample Measurement, PANalytical X’Pert Pro MPD
Location: “X-ray Laboratory”, B141, Centeral Bldg., Faculty of Science Bldg.1
Principle and Features: [illegible]X[illegible]X[illegible]45[illegible]
Manager: Akihiro Kobayashi Tel: 24557 akobayashi[@]eps.s.u-tokyo.ac.jp

X-ray Powder Diffractometer (XRD)

Instrument # 2

Instrument: X-ray Powder Diffractometer, Rigaku RINT-2100
Location: “X-ray Laboratory”, B141, Centeral Bldg., Faculty of Science Bldg.1
Principle and Features: □□□□



High Resolution Field Emission-Scanning Electron Microscope (FE-SEM)

Instrument # 3

Instrument: High Resolution Field Emission-Scanning Electron Microscope, Hitachi S-4500
Location: “Scanning Electron Microscope Room”, B238, Centeral Bldg., Faculty of Science Bldg.1
Principle and Features: □□□□□□□□□□□□□□□□□□□□□□□□□□□□SEM□□□□□□□□□□□

□□□□□□□□□□□□□□10□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□6□□□□□□□□□□□□□□□□□□□

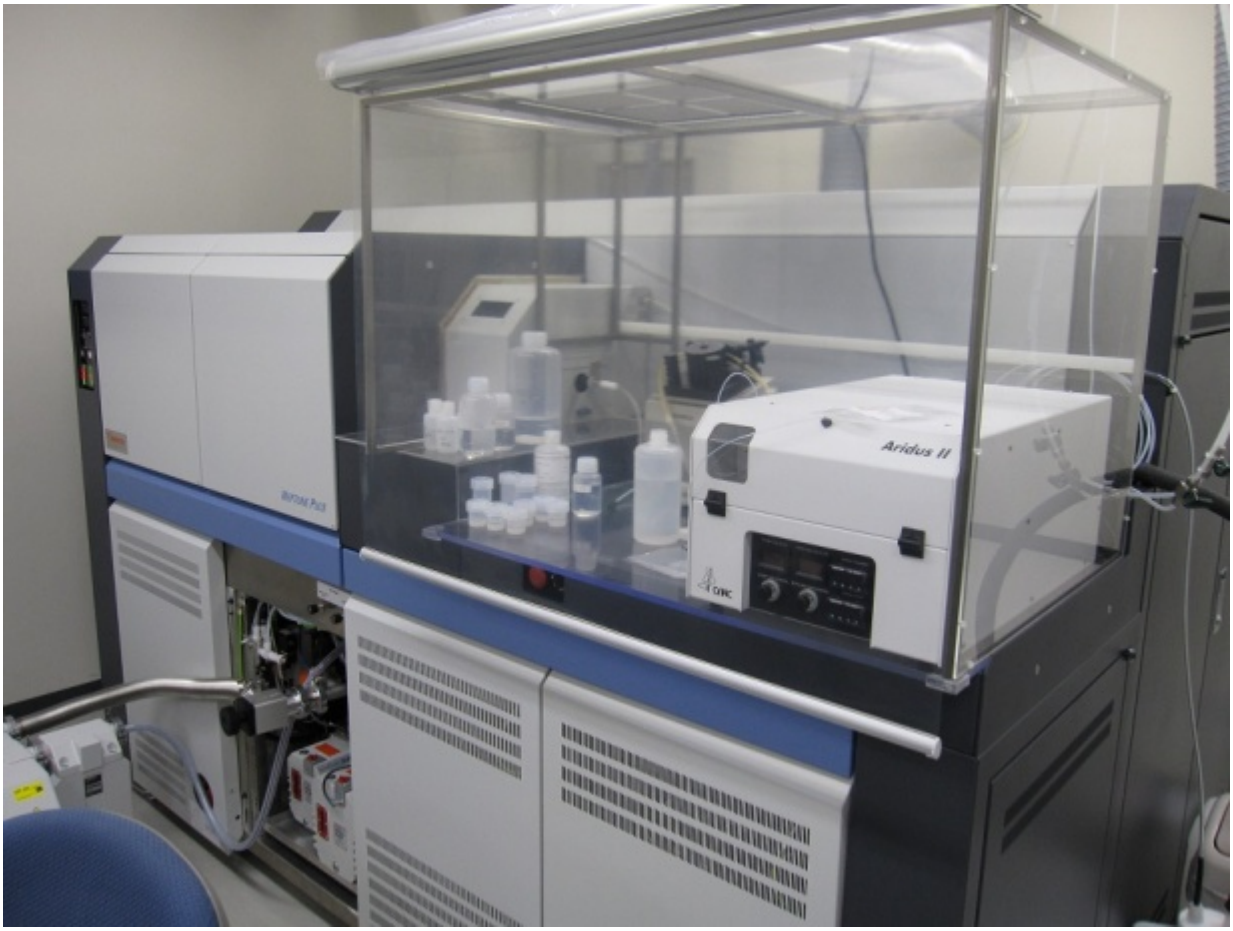
□2□□□

□□□

□□□

□□□

□□□



Sample and Material

Sample and Material of Geography

Sample and material related to geography such as maps, aerial photographs are kept in the museum geography sample and material room. EPS students and faculty members have an access to domestic general map, domestic thematic map, aerial photographs, etc., with exceptions of some valuable antique maps, geological samples, coral samples and folkloristic samples.

INO’s Map (“Chuzu”) Restoration Project

With the support of the Sumitomo Foundation’s cultural property maintainance and restoration project, EPS Departmenthas conducted the INO’s Map (7 maps) restoration

project over 4 years from Fiscal Year 2015 (2015: Eastern and Western Hokkaido, 2016: Tohoku and Chubu, 2017: Chugoku and Shikoku, 2018: Northern and Southern Kyushu).

→ Report on INO’s Map Restoration Project

□Transfer of INO’s Map (Feb. 19, 2018)

□ □□□□□□□□□□□□Feb. 19, 2018

Transfer of Material

□On January 31, 2018, following material was officially transfterred to the Department of Earth and Planetary Science from the University Museum, the University of Tokyo.

□□□□ (INO’s Map “Chuzu”)