

Ancillary Equipment

Equipment	Specifications	Flight Path Compatibility	Instrument Scientist
11 Tesla Magnet	Ambient – 1.6 Kelvin 0 – 11 Tesla	11 – Asterix 16 – Pharos (8 Tesla)	Mike Fitzsimmons fitz@lanl.gov
Furnace	Ambient – 1200°C (V) Ambient – 1600°C (Nb)	01 – NPDF 04 – HIPPO 16 – Pharos	Sven Vogel sven@lanl.gov
CRATES (stress rig)	0 – 10 KN	04 – HIPPO	Sven Vogel sven@lanl.gov
Fluid High Pressure Cell	0 – 20 Kbars	04 – HIPPO	Darrick Williams darrick@lanl.gov
TAP-98 (high pressure)	0 – 20 GPa	04 – HIPPO	Yusheng Zhao yzhao@lanl.gov
TAPLUS 2000 (high pressure)	Loading capacity 2000 tons		Yusheng Zhao yzhao@lanl.gov
Oxford Cryogenics System	80 K – Ambient	15 – PCS	Paul Langan langan_paul@lanl.gov
SMARTS Load Frame	0 – 250 KN	02 – SMARTS	Don Brown dbrown@lanl.gov
SMARTS Furnace with Load Frame	0 – 1500°C	02 – SMARTS	Don Brown dbrown@lanl.gov
SMARTS Furnace	0 – 1800°C	02 – SMARTS	Don Brown dbrown@lanl.gov
SMARTS Cryogenics	200 K – Ambient	02 – SMARTS	Don Brown dbrown@lanl.gov
Langmuir Trough	Surface pressure & subphase temp. control	09 – SPEAR	Jarek Majewski jarek@lanl.gov
Electrochemical Cell	<i>in situ</i> electrochemical study of solid/liquid interface	09 – SPEAR	Jarek Majewski jarek@lanl.gov
Stroboscopic Neutron Rheometer	Steady state shear up to 200 Nm torque	09 – SPEAR 10 – LQD	Rex Hjelm hjelm@lanl.gov
Displex	4.2 – 330 K 6.0 – 330 K 13.0 – 330 K	Usable in most flight paths	Frans Trouw trouw@lanl.gov
Furnace Stick	300–800 K	Usable in most flight paths	Frans Trouw trouw@lanl.gov
ILL Cryostat	15–300 K	Usable in most flight paths	Frans Trouw trouw@lanl.gov