SAND2019-0145R

Ride-along Z data LOS 170 and LOS 330 for university collaborators

Opacity 18b shot z3308
ZAPP18a shot z3309

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Requesting unlimited release to:

University of Nevada, Reno collaborators:
Roberto Mancini (professor, advisor), Dan Mayes (graduate student) and Kyle Swanson (graduate student)

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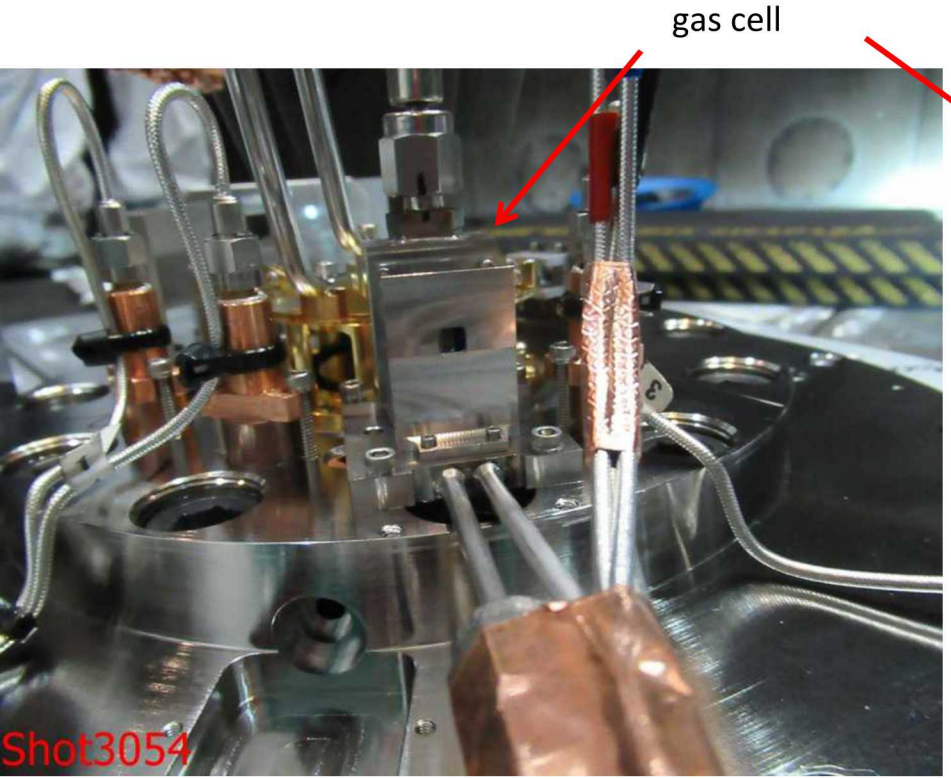
Shot sequence:

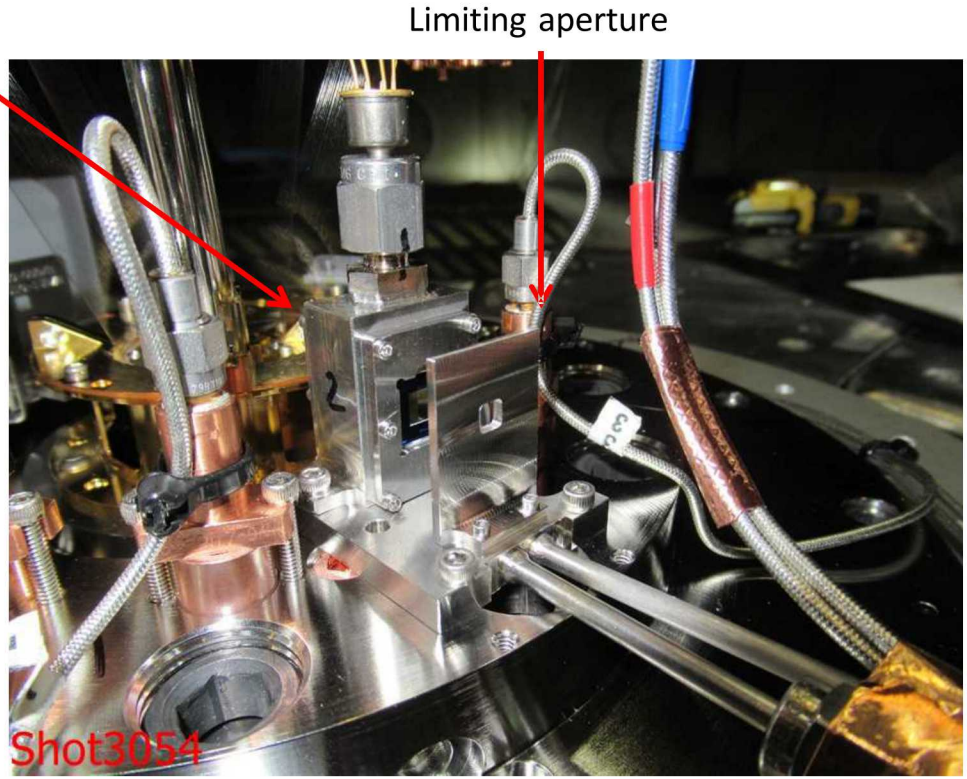
Diagnostics	z3308 – targets	z3309 - targets
LOS 330 TREX A time resolved TREX B time resolved	Ne gas cell 60 Torr	Ne gas cell 60 Torr

Each instrument record the x-ray emission from the Z-pinch dynamic hohlraum (ZPDH):

- LOS 330 TREX 6A & B: recoded time resolved and time integrated absorption spectra from a radiatively heated Ne gas.
- LOS 170 are MLM monochromatic and high-pass imagers, imaging the Z-pinch before and near stagnation.

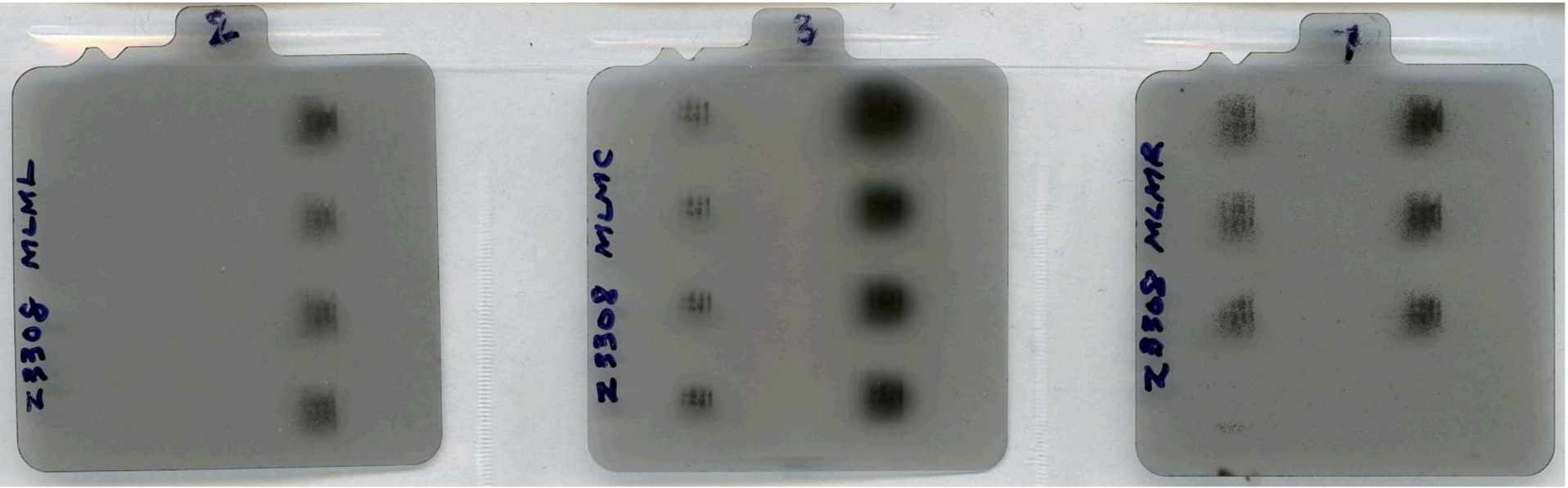
LOS 330, Ne gas cell



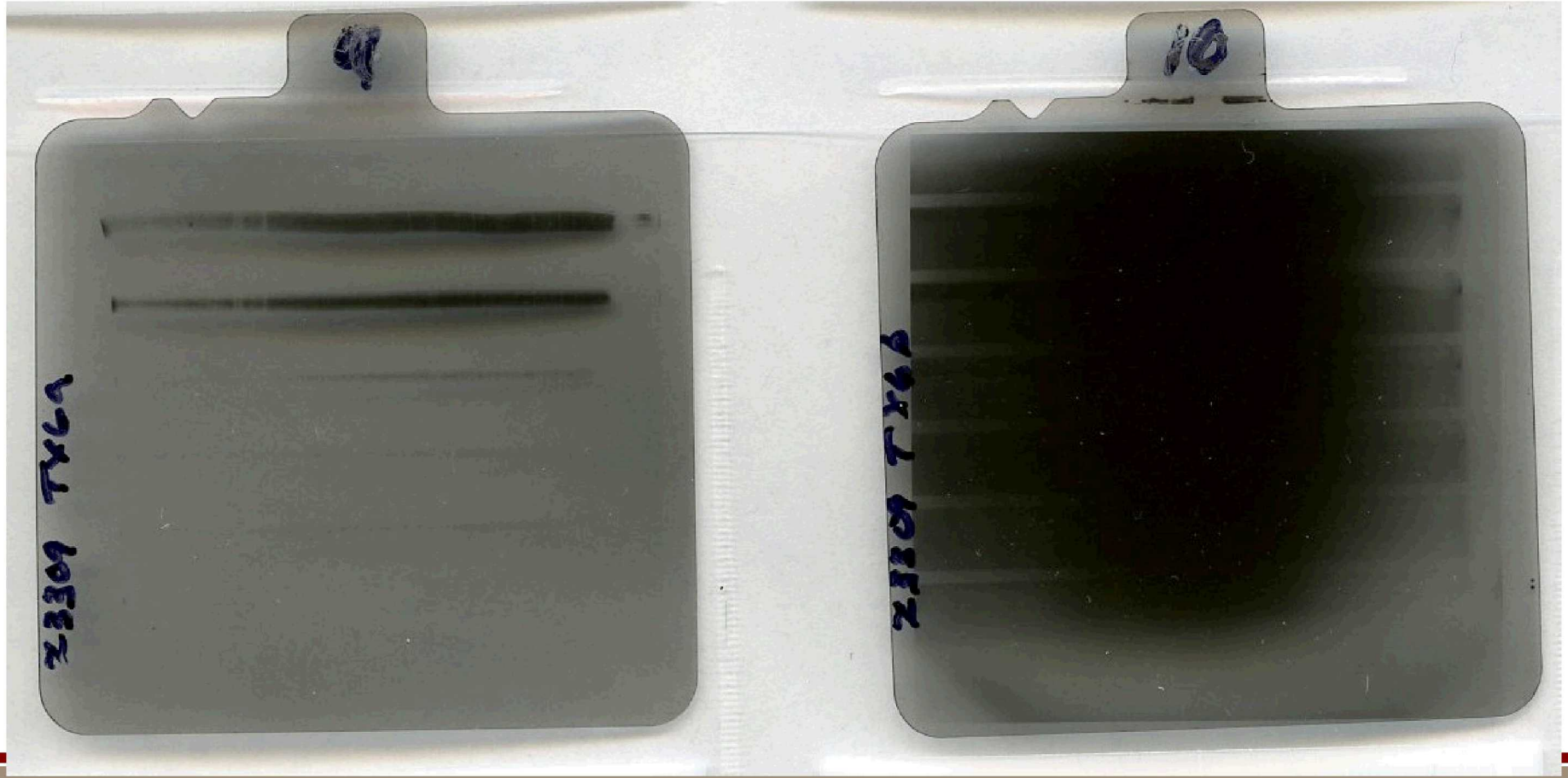


z3308 – LOS330
TREX6A – TREX6B

z3308 – LOS170
MLM L
MLM C
MLM R



z3309 – LOS330
TREX6A – TREX6B



z3309 – LOS170
MLM L
MLM C
MLM R