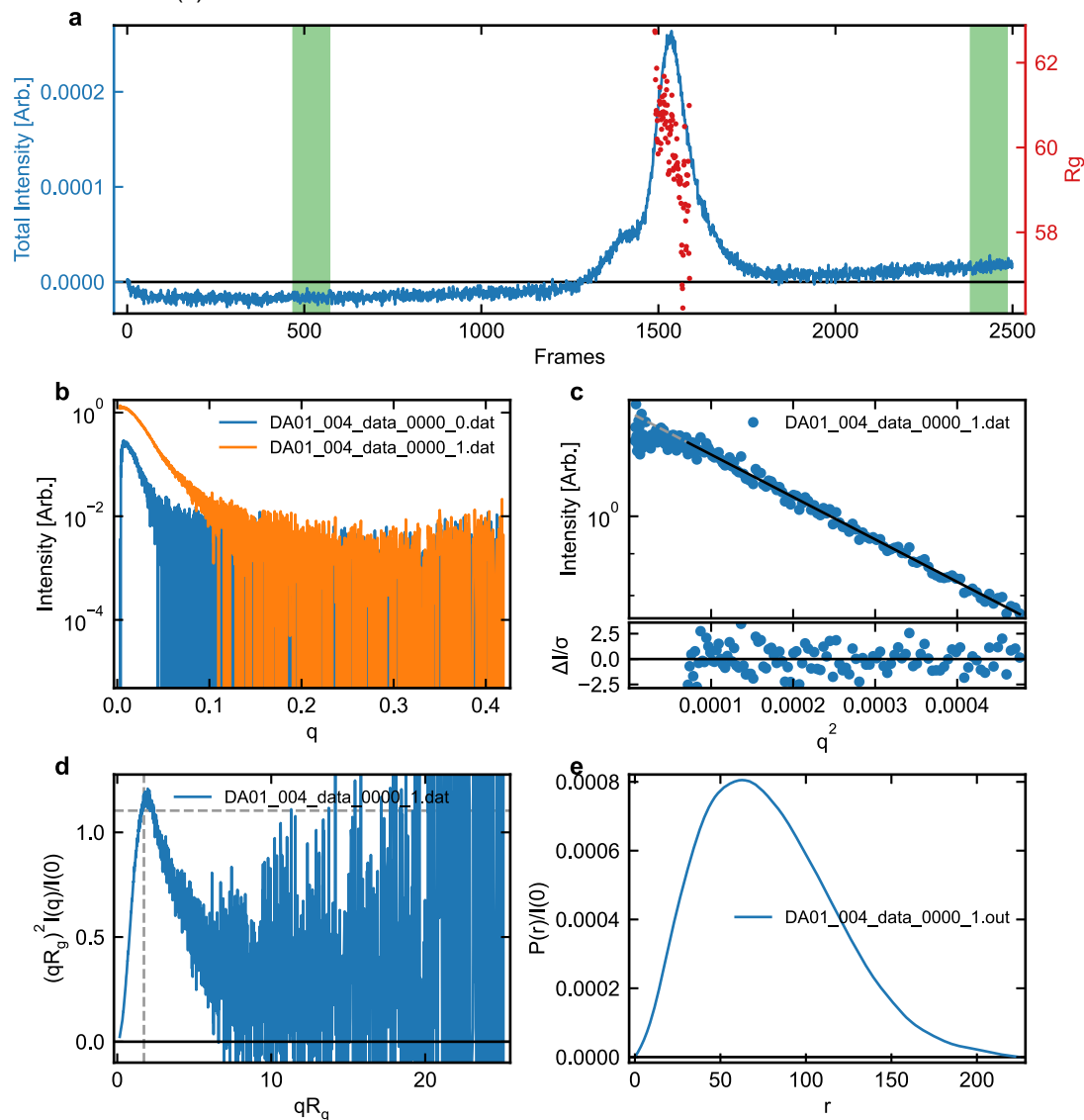


DA01_004 SAXS data overview

Summary:

Data name(s): DA01_004

Collection date(s): 2022-12-08 12:25



SAXS data summary figure for DA01_004. a) Series intensity (blue, left axis) vs. frame, and, if available, R_g vs. frame (red, right axis). Green shaded regions are buffer regions, purple shaded regions are sample regions. b) Scattering profile(s) on a log-lin scale. c) Guinier fit(s) (top) and fit residuals (bottom). d) Dimensionless Kratky plot. Dashed lines show where a globular system would peak. e) $P(r)$ function(s), normalized by $I(0)$.

	DA01_004_data_0000_0.dat	DA01_004_data_0000_1.dat
Guinier Rg		59.83 +/- 0.23
Guinier I(0)		1.34 +/- 3.39e-3
M.W. (Vp)		392.4
M.W. (Vc)		328.0
M.W. (S&S)		304.6
M.W. (Bayes)		318.4
GNOM Dmax		225.0
GNOM Rg		61.89 +/- 0.27
GNOM I(0)		1.35 +/- 3.54e-3

SAXS data summary table for DA01_004.

Experimental parameters:

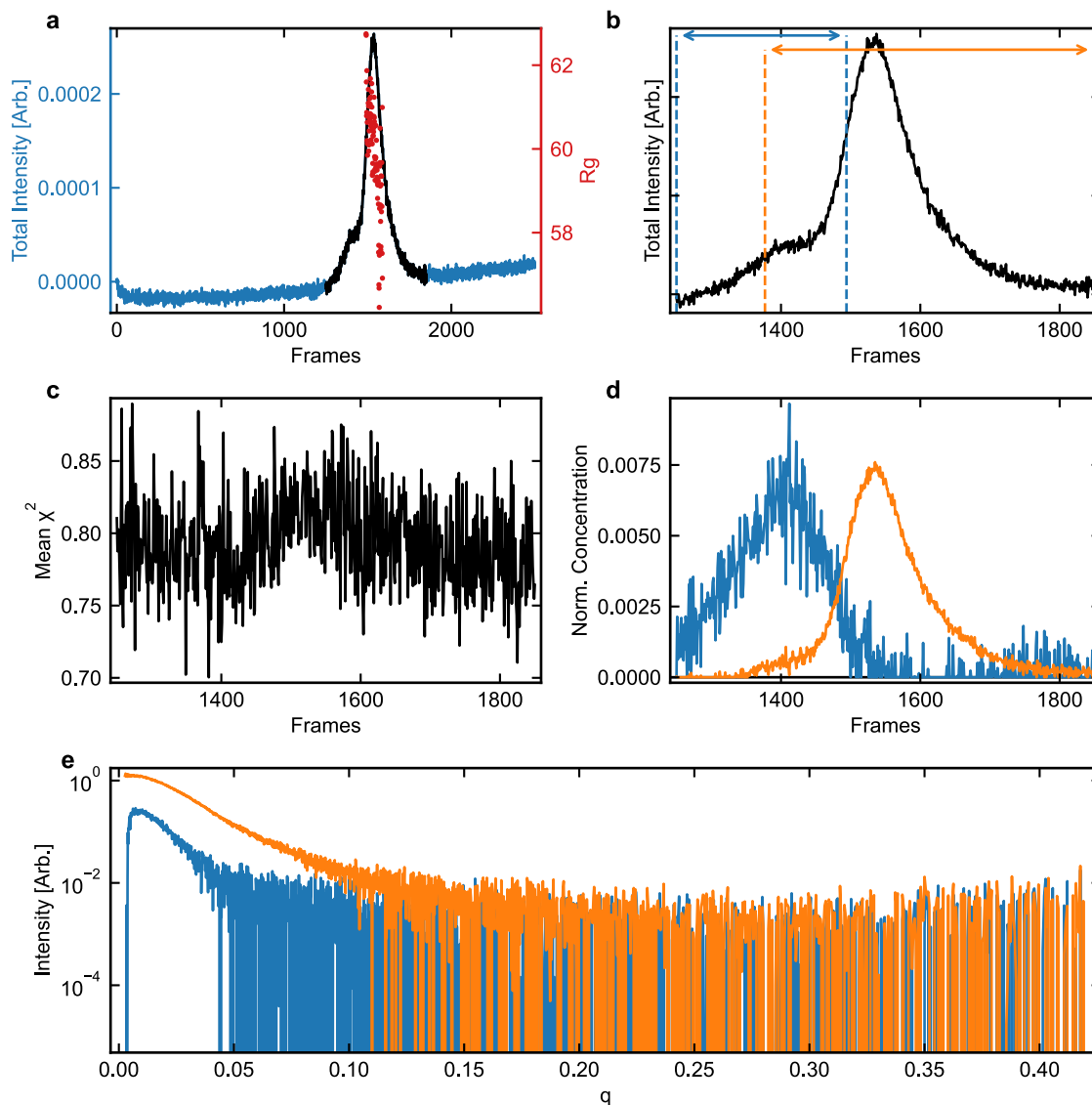
	DA01_004
Date	2022-12-08 12:25
Instrument	BioCAT (Sector 18, APS)
Experiment Type	SEC-MALS-SAXS
Column	Superose 6 10/300 Increase
Sample	MC1
Buffer	10 MM TRIS 8.5, 150 MM NACL
Temperature [C]	22
Loaded volume [uL]	250
Concentration [mg/ml]	0.9
Detector	Eiger2 XE 9M
Wavelength (A)	1.033
Camera length (m)	3.682
q-measurement range	0.0027 to 0.42
Exposure time (s)	0.6
Exposure period (s)	1.0
Flow rate (ml/min)	0.6
Attenuation	None
RAW version	2.1.4

Series:

	DA01_004
Buffer range	470 to 570, 2383 to 2483

EFA results:

	DA01_004
EFA data range	1250 to 1850
Number of components	2
Component 0	1250 to 1494
Component 1	1377 to 1849



EFA deconvolution results. a) The full series intensity (blue), the selected intensity range for EFA (black), and (if available) Rg values (red). b) The selected intensity range for EFA (black), and the individual component ranges for deconvolution, with component range 0 starting at the top left, and component number increasing in descending order to the right. c) Mean χ^2 values between the fit of the EFA deconvolution and the original data. d) Area normalized concentration profiles for each component. Colors match the component range colors in b. e) Deconvolved scattering profiles. Colors match the component range colors in b and the concentration range colors in d.

Guinier:

	DA01_004_data_0000_0.dat	DA01_004_data_0000_1.dat
Rg		59.83 +/- 0.23
I(0) [Arb.]		1.34 +/- 3.39e-3
q-range		0.0085 to 0.0218
qmin*Rg		0.507
qmax*Rg		1.306
r^2		0.99

Molecular weight:

	DA01_004_data_0000_0.dat	DA01_004_data_0000_1.dat
M.W. (Vp) [kDa]		392.4
Porod Volume		4.73e+5
M.W. (Vc) [kDa]		328.0
M.W. (S&S) [kDa]		304.6
Shape (S&S)		flat
Dmax (S&S)		199.9
M.W. (Bayes) [kDa]		318.4
Bayes Probability		98.7
Bayes Confidence Interval [kDa]		221.1 to 372.7
Bayes C.I. Prob.		100.0

GNOM IFT:

	DA01_004_data_0000_1.out
Dmax	225.0
Rg	61.89 +/- 0.27
I(0)	1.35 +/- 3.54e-3
Chi^2	1.433
Total Estimate	0.837
Quality	a GOOD solution
q-range	0.0085 to 0.4203
Ambiguity score	2.37
Ambiguity cats.	232
Ambiguity	3D reconstruction might be ambiguous