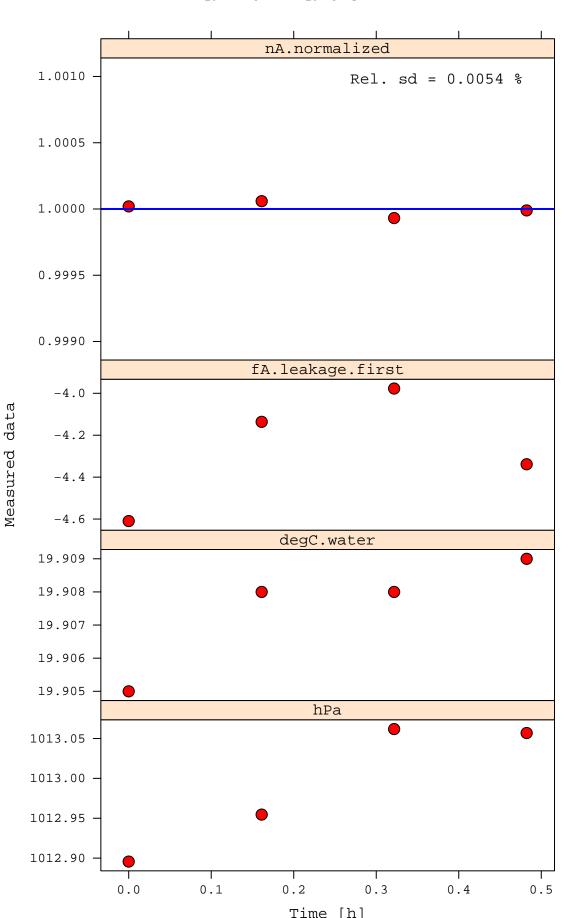


Cobalt irradiation report for file: exp104416

CRC32 file validation = TRUE (ok.lines=59, not.ok.lines=0)
Consistency between index and number of lines in data file = TRUE
> Notes made during the analysis:

Session 1 (May 19-21, 2016)

> End of notes.



File = exp104416

Detector = NPL2611-SN1019

Measurement period = 20-05-2016 - 20:57:00 to 20-05-2016 - 22:04:59

Cobalt collimators (X1, X2, Y1, Y2) = 9.78 cm 9.78 cm 9.78 cm

Sensors: Pressure = hPa.Pace1 hPa.Pace2

Sensors: Water temp. = degC.Almemo1.M02 degC.Almemo1.M03

Senrors: Room temp. = degC.Almemo1.M00 degC.Almemo1.M01

Sensors: Room RH = pctRH.V1.Control

Cable = DTU10574

Electrometer = KEITHLEY INSTRUMENTS INC., MODEL 6517B, 1341729, A12/700x

Electrometer note =

High voltage (V.center.electrode - V.outer.cap) = 200 V

k.elec (electrom.) = 1.000558 nA/nA From: No link

System leakage (elecm. & cable) = -3 fA From: No link

Reference date = May 19, 2016, 12:00

Mean current (corrected for decay, k.elec, leakage, temp. & press. =

(-0.19481 +/- 0.00001) nA

No. data points / source irradiations pr. data point: 4 / 1

Total no. of integrations / irradiations: 58 / 4

Variance component, integrations (%): sd = 0.0070 CI95 = [0.0050;0.0099]

Variance component, source openings (%): sd = 0.0044 CI95 = [0.0013;0.0149]

note1 = Sleeve

note2 = IC @ 1000 mm (427.45)

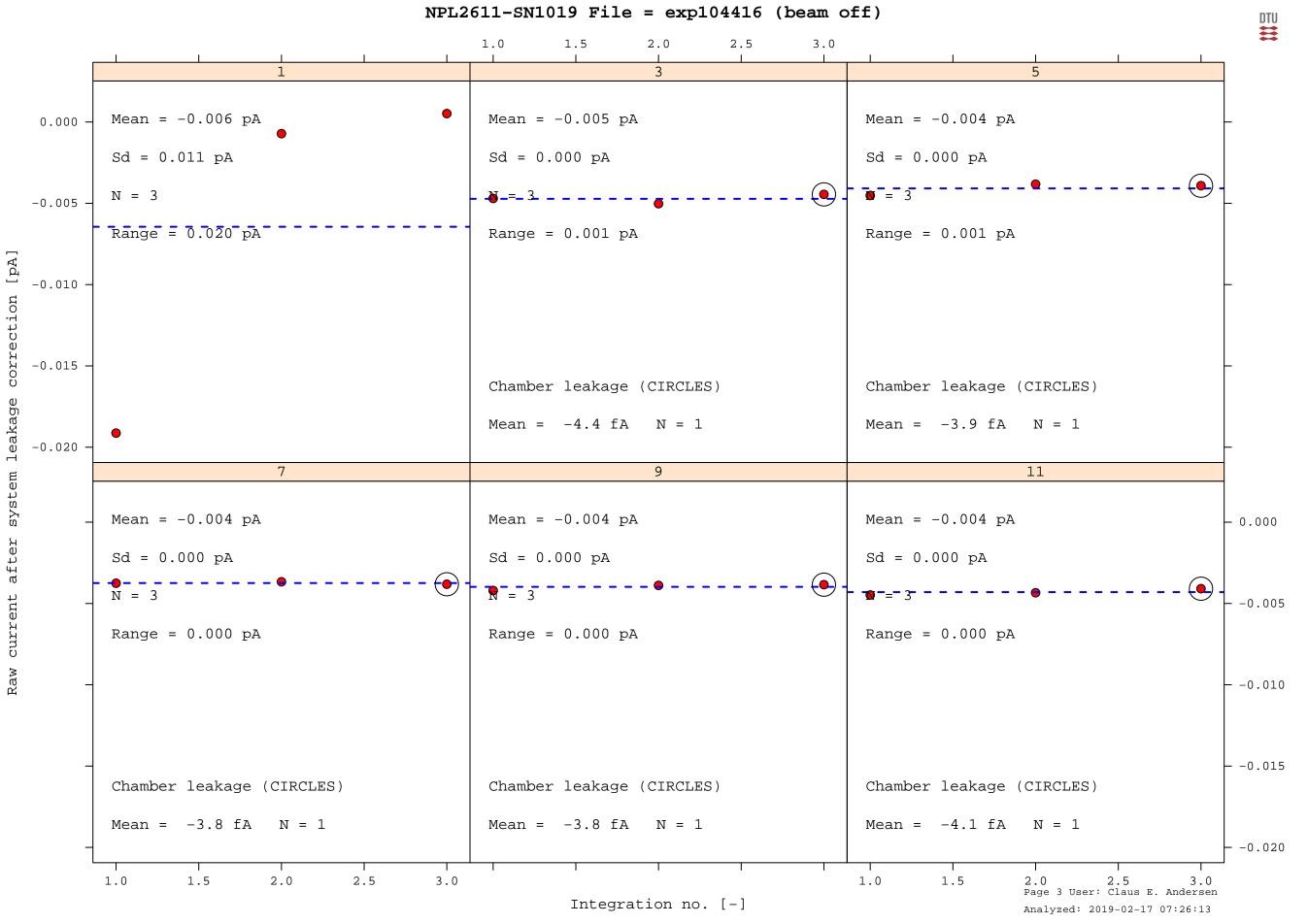
note3 = Rias/Risø tank window at 5 g/cm2 (MP7)

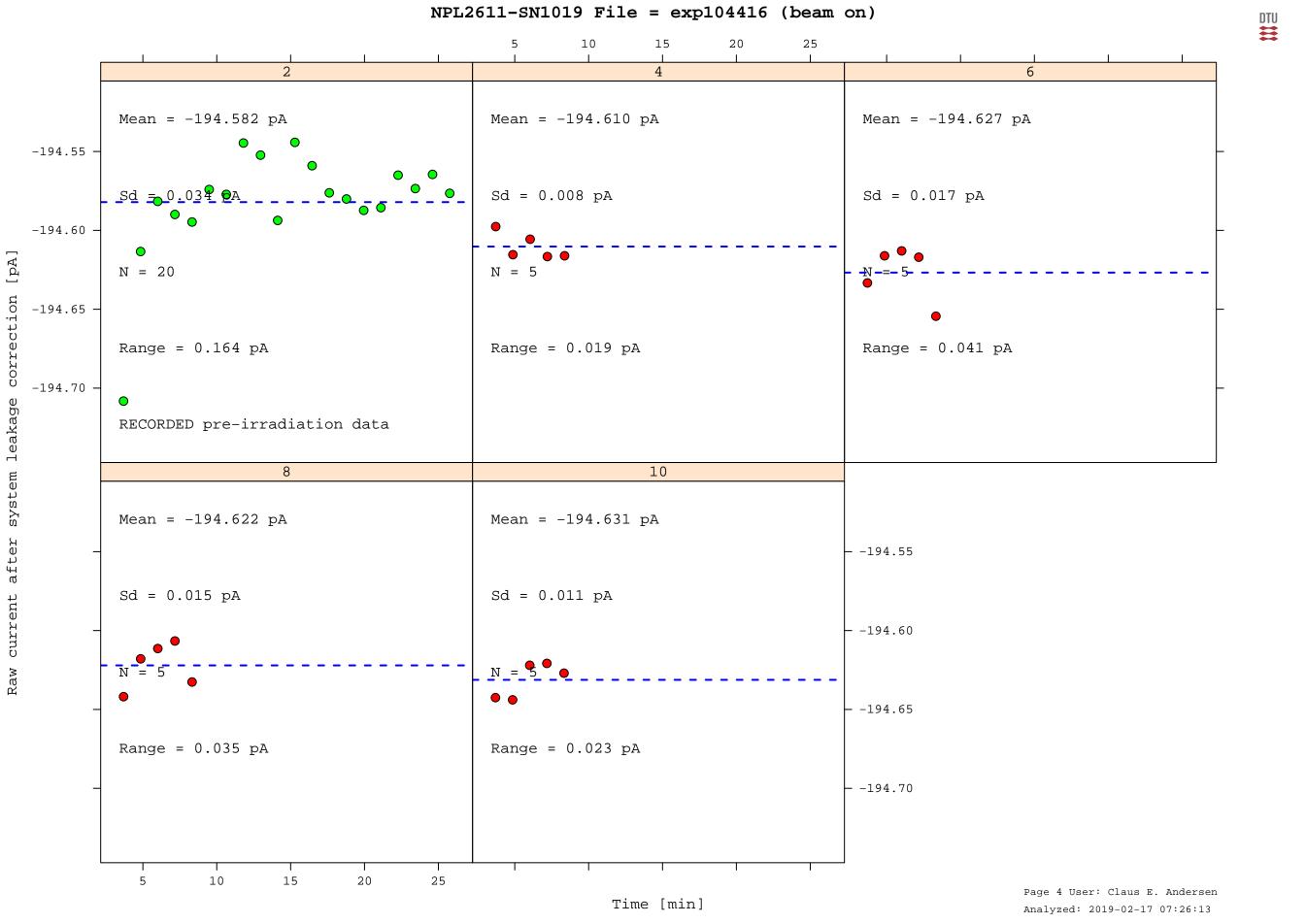
note4 = Nominal FS $9.78 \times 9.78 \text{ cm2} (10 \times 10 \text{cm2 actual}) -$

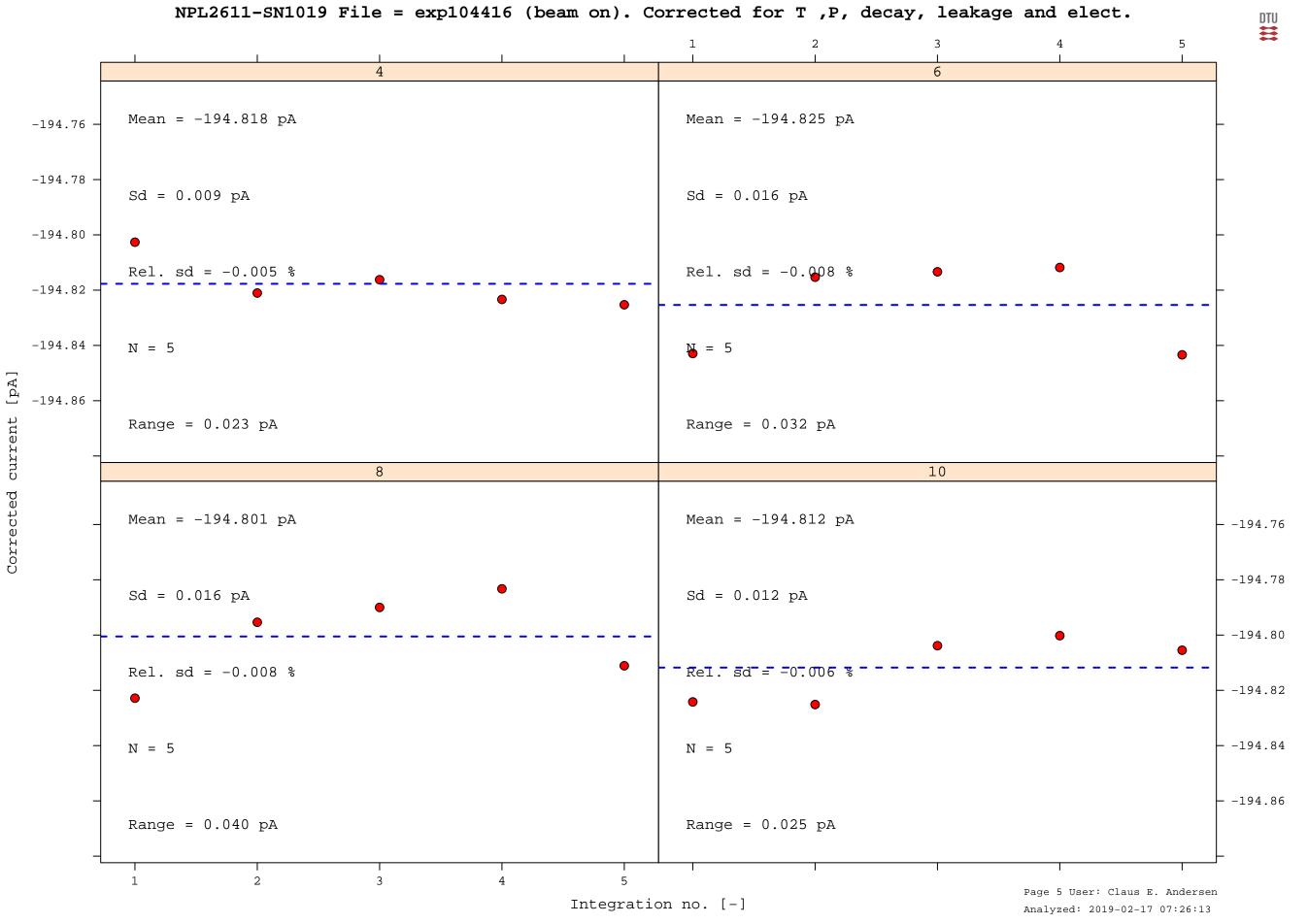
Recorded pre-irradiation: Duration = 23.2 min Current = -0.195 nA

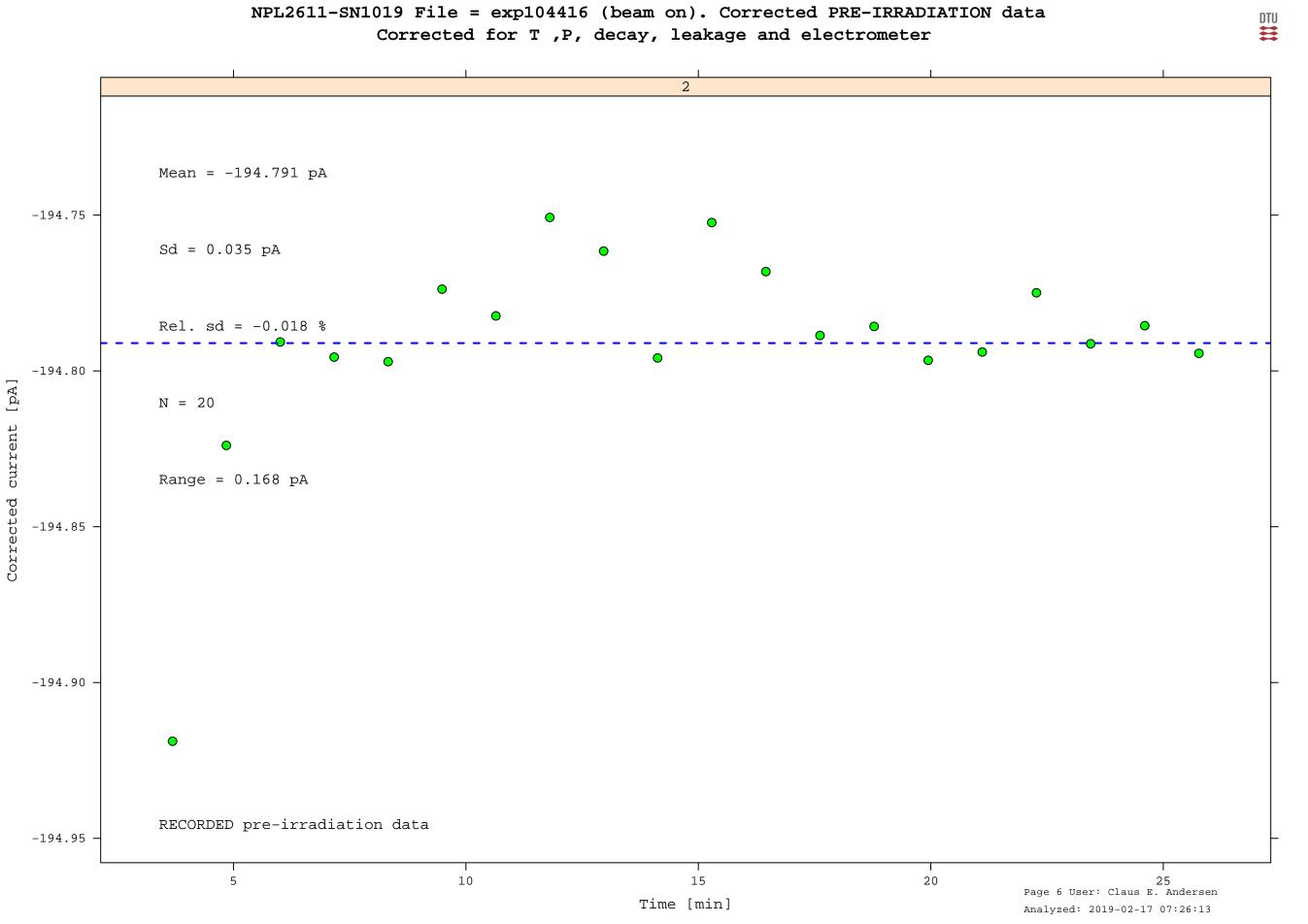
which	mean	sd	range
nA.batch.mean	-0.194814	1e-05	2.5e-05
nA.normalized	1	5.4e-05	0.00013
fA.leakage.first	-4.26533	0.27	0.63
fA.chamber.leak	-4.02189	0.26	0.63
degC.room	22.0425	0.034	0.08
%RH.room	50.5535	0.029	0.066
degC.water	19.9075	0.0017	0.004
hPa	1012.99	0.081	0.17
k.T	0.999684	5.9e-06	1.4e-05
k.P	1.00025	8e-05	0.00016
k.decay	1.00051	3.1e-06	7.2e-06

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id	first	last	mean	min	max	NAs
Almemo1.M00.ID	SENS100014-ZA9030-FS1	. SENS100014-ZA9030-FS1	no number	no number	no number	0
Almemo1.M01.ID	SENS100015-ZA9030-FS1	. SENS100015-ZA9030-FS1	no number	no number	no number	0
Almemo1.M02.ID	SENS100012-ZA9040-FS	SENS100012-ZA9040-FS	no number	no number	no number	0
Almemo1.M03.ID	SENS100013-ZA9040-FS	SENS100013-ZA9040-FS	no number	no number	no number	0
Almemo1.M04.ID	SENS100013-ZA9040-FS	SENS100013-ZA9040-FS	no number	no number	no number	0
Almemo1.M05.ID	void	void	no number	no number	no number	0
Almemo1.model	A2690-8A	A2690-8A	no number	no number	no number	0
Almemo1.SN	н13020005	н13020005	no number	no number	no number	0
Almemo2.M00.ID	ZA9040-FS-NTC-thin (air)	ZA9040-FS-NTC-thin (ai	no number	no number	no number	0
Almemo2.M01.ID	FNA611-SN9070057 (air)	FNA611-SN9070057 (air)	no number	no number	no number	0
Almemo2.M02.ID	FNA611-SN12070199 (water/pla	FNA611-SN12070199 (wat	no number	no number	no number	0
Almemo2.M03.ID	void	void	no number	no number	no number	0
Almemo2.M04.ID	void	void	no number	no number	no number	0
Almemo2.model	A2690-8A	A2690-8A	no number	no number	no number	0
Almemo2.SN	н12060093	н12060093	no number	no number	no number	0
axis.coll.rtn	0	0	0	0	0	0
axis.couch.lat	0	0	0	0	0	0
axis.couch.lng	0	0	0	0	0	0
axis.couch.rnt	0	0	0	0	0	0
axis.couch.vrt	0	0	0	0	0	0
axis.gantry	0	0	0	0	0	0
beam.on	0	0	0.68966	0	1	0
C.PTW1	0	0	0	0	0	0
C.PTW1.status	0	0	0	0	0	0
C.PTW2	0	0	0	0	0	0
C.PTW2.status	0	0	0	0	0	0
C.PTW3	0	0	0	0	0	0
C.PTW3.status	0	0	0	0	0	0
col.cm.wanted	0	0	0	0	0	0
date	20-05-2016 - 20:57:00	. 20-05-2016 - 22:04:59	no number	no number	no number	0
dayfraction	0.872911	0.920126	0.89641	0.87291	0.92013	0
dayno	870.872911	870.920126	870.9	870.87	870.92	0
degC.Almemo1.M00	21.4	21.4	21.355	21.3	21.4	0
degC.Almemo1.M01	22.7	22.6	22.71	22.6	22.9	0
degC.Almemo1.M02	19.91	19.91	19.907	19.89	19.91	0

DTU

id	first	last	mean	min	max	NAs
degC.Almemo1.M03		19.91	19.908	19.9	19.91	0
degC.Almemo2.M00	21.35	21.36	21.372	21.33	21.43	0
degC.Almemo2.M01	21.61	21.59	21.602	21.59	21.62	0
degC.V1.Control	22.02	22.04	22.029	22	22.05	0
degC.V2.Cobalt	NA	NA	21.138	21.13	21.16	53
degC.V3.Lin.Right	21.61	21.58	21.588	21.57	21.61	0
degC.V4.Lin.Left	22.07	22.06	22.049	22.03	22.07	0
degC.V5.Modulator	22.59	22.45	22.549	22.39	22.83	0
expid	Full cal. of multiple ICs	Full cal. of multiple	no number	no number	no number	0
hour	20.949864	22.083029	21.514	20.95	22.083	0
hPa.Pace1	1012.7771758	1013.0608524	1012.9	1012.8	1013.1	0
hPa.Pace2	1012.8624092	1013.1449928	1013	1012.9	1013.1	0
index	0	57	28.5	0	57	0
K6517.Cable	DTU10574	DTU10574	no number	no number	no number	0
K6517.DET	NPL2611-SN1019	NPL2611-SN1019	no number	no number	no number	0
K6517.HV	200	200	200	200	200	0
K6517.ID	KEITHLEY INSTRUMENTS INC., MO	KEITHLEY INSTRUMENTS I	no number	no number	no number	0
K6517.SN	NA	NA	no number	no number	no number	58
linac.beam	0	0	0	0	0	0
linac.FS.cm2	0	0	0	0	0	0
linac.MU	0	0	0	0	0	0
linac.MU.min	0	0	0	0	0	0
linac.note1	0	0	0	0	0	0
min.integration	0	2.32128000003286	7.5111	0	25.767	0
nA.K6517	2.213191e-05	7.088123e-06	-0.13421	-0.19471	-2.4822e-06	0
nC.K6517	0.00061	0.00019	-3.6237	-5.2572	-7e-05	0
no.HV		1	1	1	1	0
no.HV.irradiation	1-1	1-6	no number	no number	no number	0
no.integration	1	3	5.2759	1	20	0
no.irradiation		6	2.6379	1	6	0
note1	Sleeve	Sleeve	no number	no number	no number	0
note2	IC @ 1000 mm (427.45)	. IC @ 1000 mm (427.45)	no number	no number	no number	0
note3	Rias/Risø tank window at 5 g	Rias/Risø tank window	no number	no number	no number	0
note4	Nominal FS $9.78 \times 9.78 \text{ cm}2$ (Nominal FS 9.78 x 9.78	no number	no number	no number	0
note5			no number	no number	no number	0

DTU

NAs	max	min	mean	last	first	id
58	no number	no number	no number	NA	NA	Pa.delta
0	3895300	3895300	3895300		3895266	Pace1.SN
0	3895300	3895300	3895300		3895267	Pace2.SN
0	50.6	50.02	50.422	50.53	50.02	pctRF.V4.Lin.Left
0	50.61	50.06	50.426	50.57	50.06	pctRH.V1.Control
53	53.91	53.81	53.88	NA	NA	pctRH.V2.Cobalt
0	51.85	51.28	51.668	51.81	51.28	pctRH.V3.Lin.Right
0	48.86	47.55	48.252	48.86	47.55	pctRH.V5.Modulator
0	1013.1	1012.8	1012.9		1012.82	PTB200.hPa
58	no number	no number	no number	NA	NA	PTW1.Cable
58	no number	no number	no number	NA	NA	PTW1.DET
58	no number	no number	no number	NA	NA	PTW1.SN
58	no number	no number	no number	NA	NA	PTW2.Cable
58	no number	no number	no number	NA	NA	PTW2.DET
58	no number	no number	no number	NA	NA	PTW2.SN
58	no number	no number	no number	NA	NA	PTW3.Cable
58	no number	no number	no number	NA	NA	PTW3.DET
58	no number	no number	no number	NA	NA	PTW3.SN
0	1	0.96007	0.99745	0.9958746	0.9736778	R2.K6517
0	0	0	0	0	0	Reserved.6
0	0	0	0	0	0	Reserved.9
58	no number	no number	no number	NA	NA	rot.deg
0	10	10	10	10		sec.int
0	0	0	0	0	0	sec.irr
58	no number	no number	no number	NA	NA	sec.shut
0	no number	no number	no number	void	void	Terabalt.note1
0	no number	no number	no number	void	void	Terabalt.note2
0	no number	no number	no number	void	void	Terabalt.note3
0	no number	no number	no number	void	void	Terabalt.note4
0	no number	no number	no number	void	void	Terabalt.note5
0	no number	no number	no number	void	void	Terabalt.note6
11	269.99	269.98	269.98	269.98	NA	terabalt.status.DIATU
0	1	1	1		1	terabalt.status.SYMETRY
0	9.78	9.78	9.78	9.78	9.78	terabalt.status.X1
0	9.78	9.78	9.78	9.78	9.78	terabalt.status.X2

DTU

id	first	last	mean	min	max	NAs
terabalt.status.Y1	9.78	9.78	9.78	9.78	9.78	0
terabalt.status.Y2	9.78	9.78	9.78	9.78	9.78	0
u.nA.K6517	7.136507e-07	8.946917e-08	1.6587e-06	7.5079e-08	4.9287e-06	0
V.PTW1	0	0	0	0	0	0
V.PTW2	0	0	0	0	0	0
V.PTW3	0	0	0	0	0	0
Vaisala1.SN	HMT330-SNJ1730108	HMT330-SNJ1730108	no number	no number	no number	0
Vaisala2.SN	HMT330-SNJ1730111	HMT330-SNJ1730111	no number	no number	no number	0
Vaisala3.SN	HMT330-SNJ1730110	HMT330-SNJ1730110	no number	no number	no number	0
Vaisala4.SN	HMT330-SNJ1730107	HMT330-SNJ1730107	no number	no number	no number	0
Vaisala5.SN	HMT330-SNJ1730109	HMT330-SNJ1730109	no number	no number	no number	0
vent.freshair	3	3	3	3	3	0
vent.recirculation	3	3	3	3	3	0
vent.RH.setpoint	40	40	40	40	40	0
vent.T.setpoint	22	22	22	22	22	0
vent.TI01.MAX	22	22	22	22	22	0
vent.TI01.MIN	22	22	22	22	22	0
vent.TI02.setpoint	18	18	18	18	18	0
Version	MELab-v129	MELab-v129	no number	no number	no number	0
void.Almemo1.M04	0	0	0	0	0	0
void.Almemo1.M05	0	0	0	0	0	0
void.Almemo2.M02	0	0	0	0	0	0
void.Almemo2.M03	0	0	0	0	0	0
void.Almemo2.M04	0	0	0	0	0	0
water.cm	0	0	0	0	0	0
x.col.cm	NA	NA	no number	no number	no number	58
X3314131463	1892194150	556576090	2069800000	8272600	4290900000	0
y.col.cm	NA	NA	no number	no number	no number	58

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This is the final page of the Cobalt irradiation report for file: exp104416