

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11933 - L2 Version 2
Chandra X-Ray Center

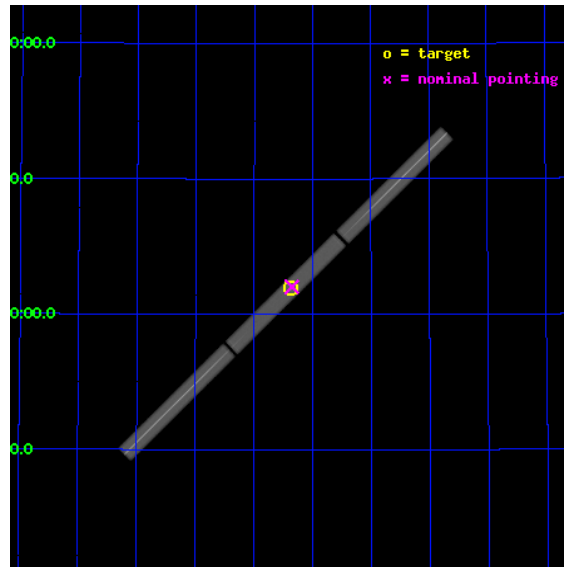
L2 Processing Date : Jun 27 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

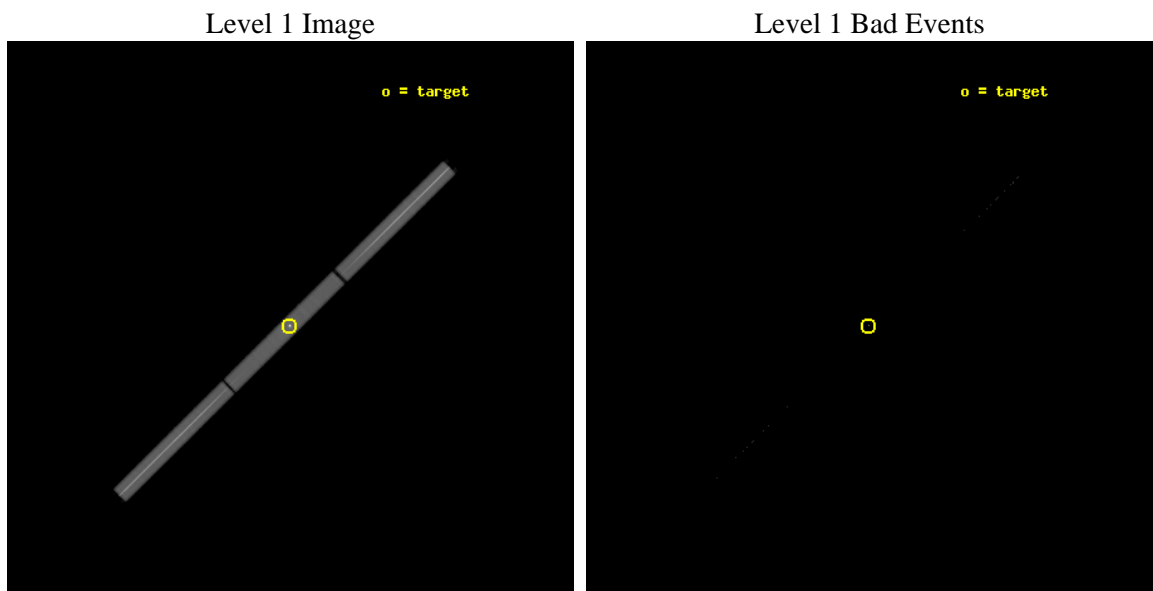
seq_num	290922	Sequence number
obs_id	11933	Observation id
title	AO-11 Calibration Observations of HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.08821869767	Nominal RA [deg]
dec_nom	29.102447163012	Nominal Dec [deg]
roll_nom	135.39108955233	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20181.226024151	[s]
livetime	19919.848332323	Ontime multiplied by DTCOR
l2events	2507003	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20181.226024151	[s]
caldsver	4.5.0	 	l1events	3135139	Number of level 1 events
date	2012-06-27T18:21:58	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

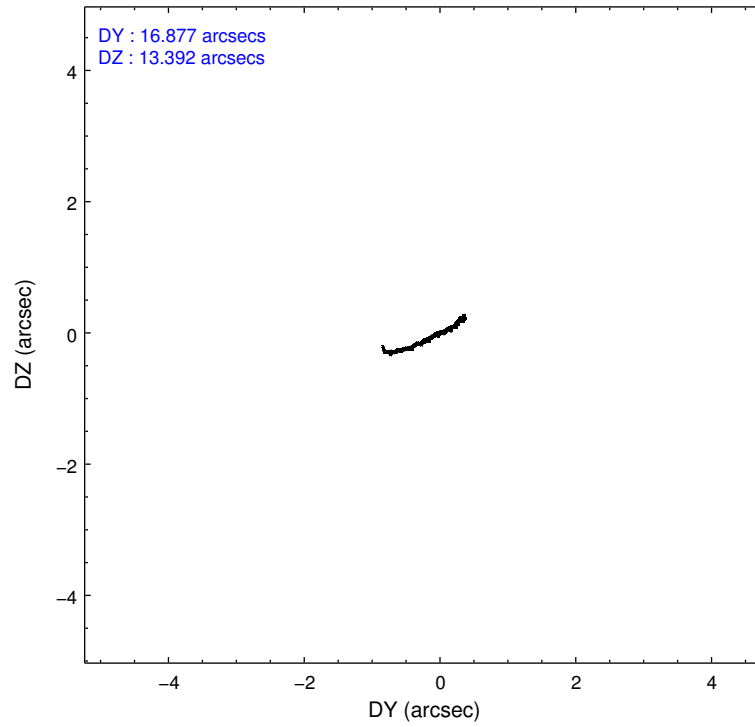
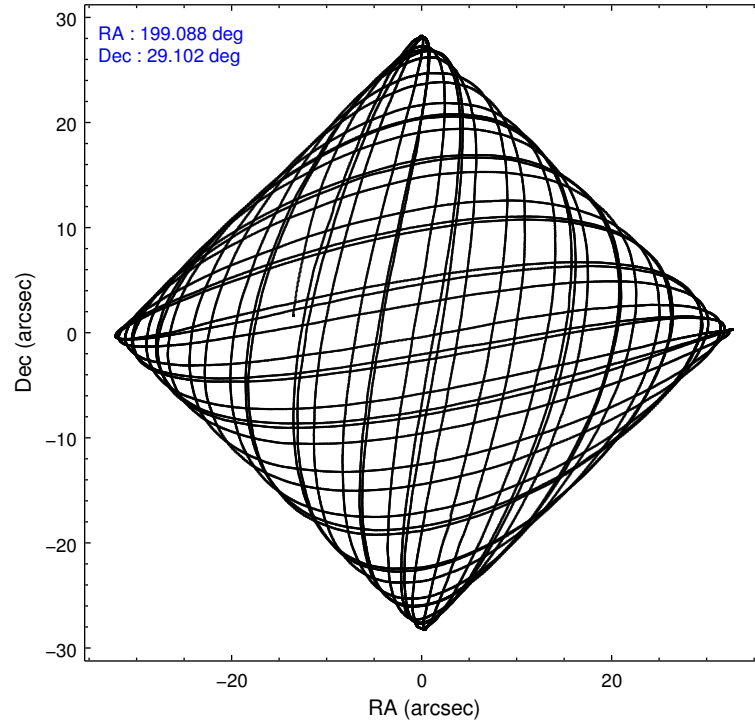
	segment 1	segment 2	segment 3
level 1 events	1074145	970855	1090139
rejected events	33611	32356	33991
rejected %	3%	3%	3%

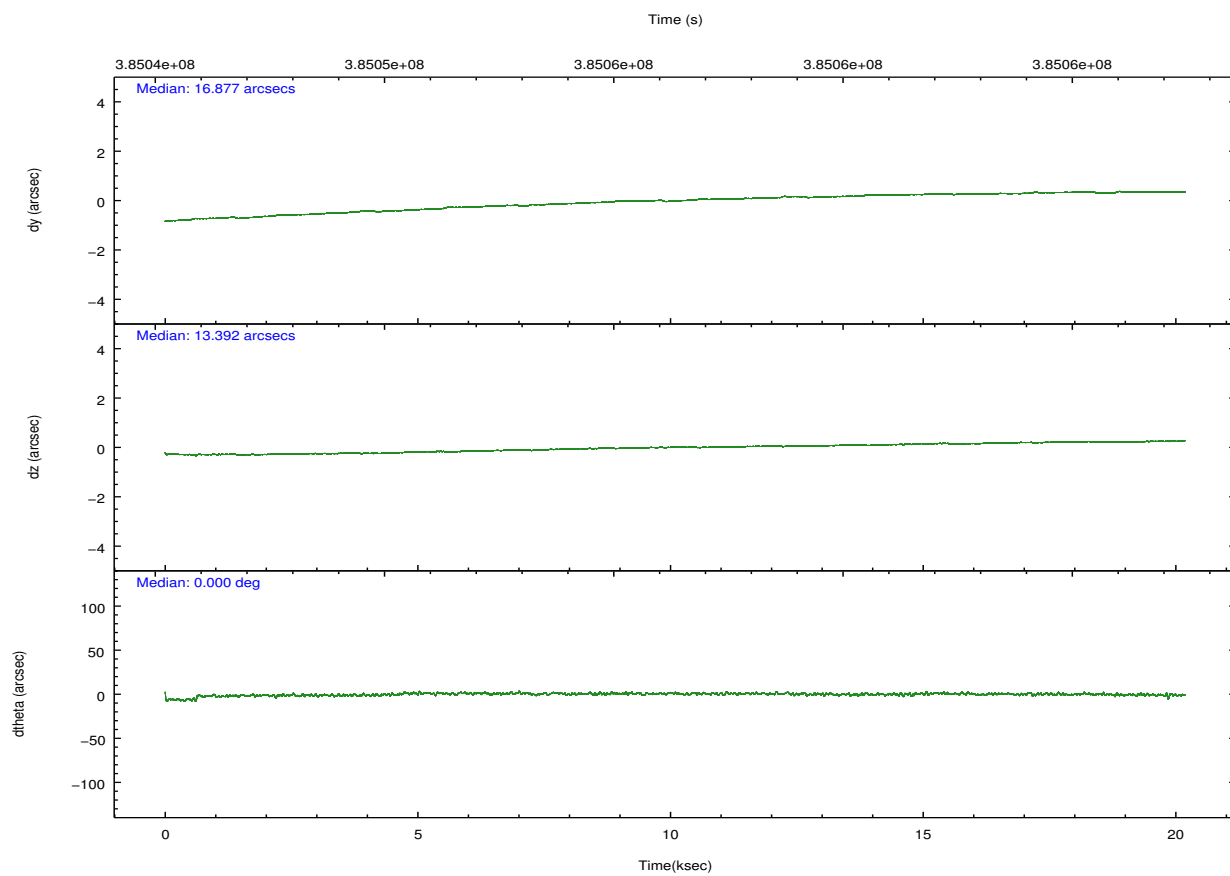
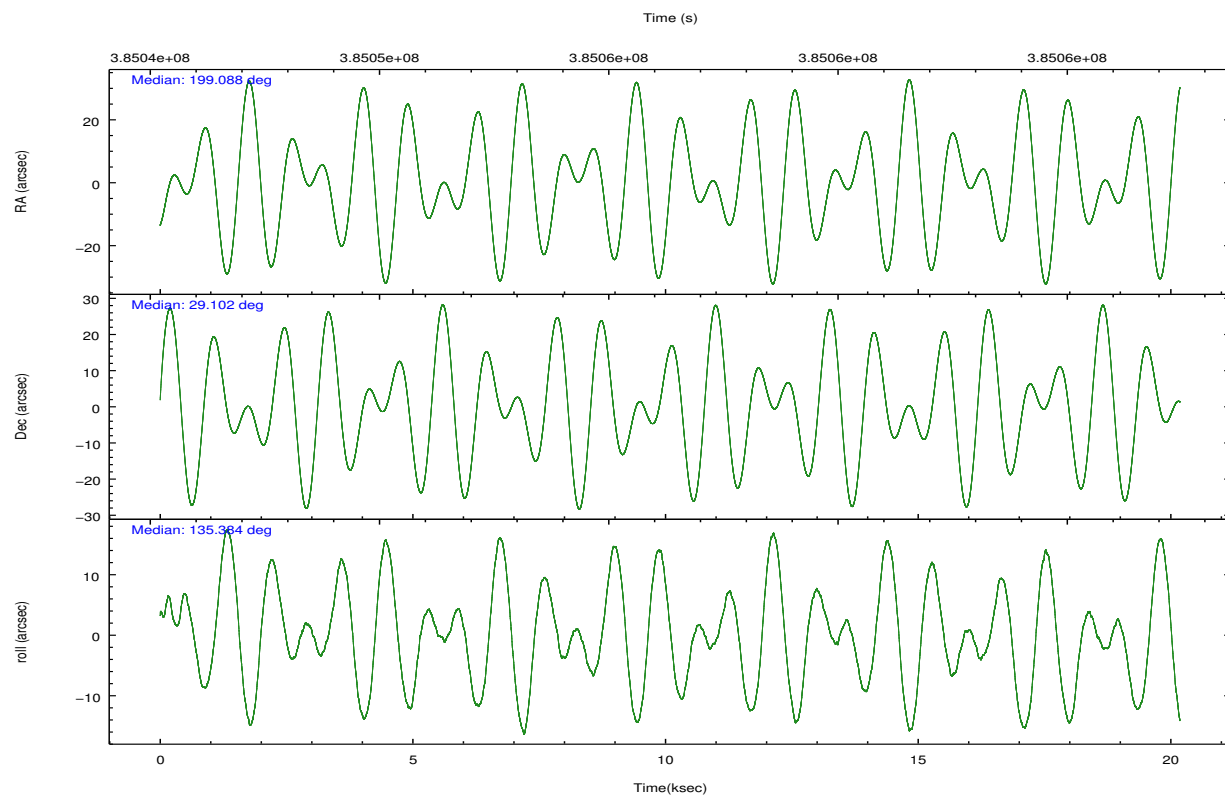
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	199.120424	199.0882186976706
[deg] Pointing Dec	29.096542	29.10244716301244
[deg] Pointing Roll	135.308093	135.3910895523348
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	385046419.184000	385045446.14611
Observation start date	2010-03-15T13:19:13	2010-03-15T13:04:06
[s] Observation end time (MET)	385066419.184000	385066911.6972
Observation end date	2010-03-15T18:52:33	2010-03-15T19:01:51

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



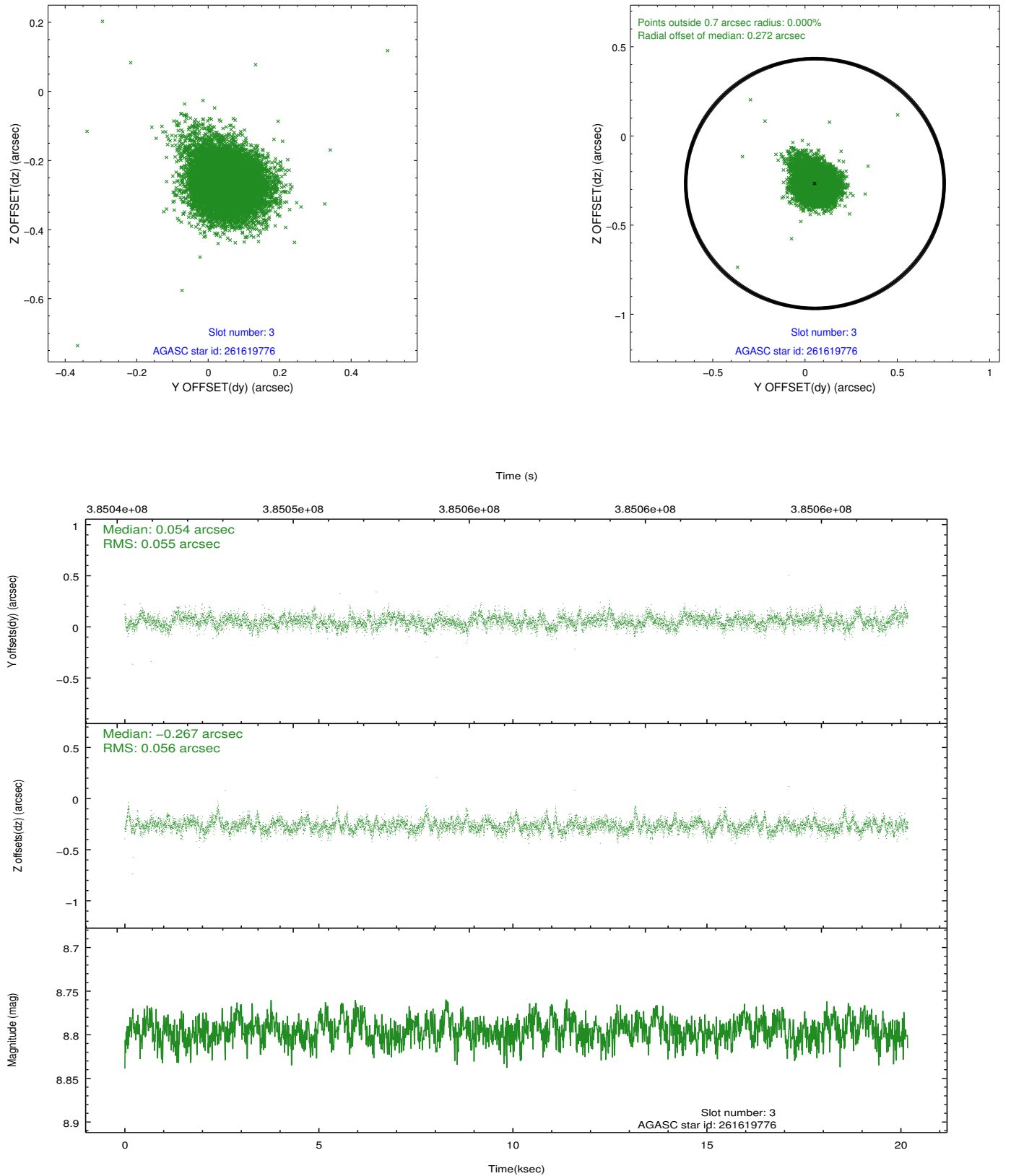


Slot Statistics

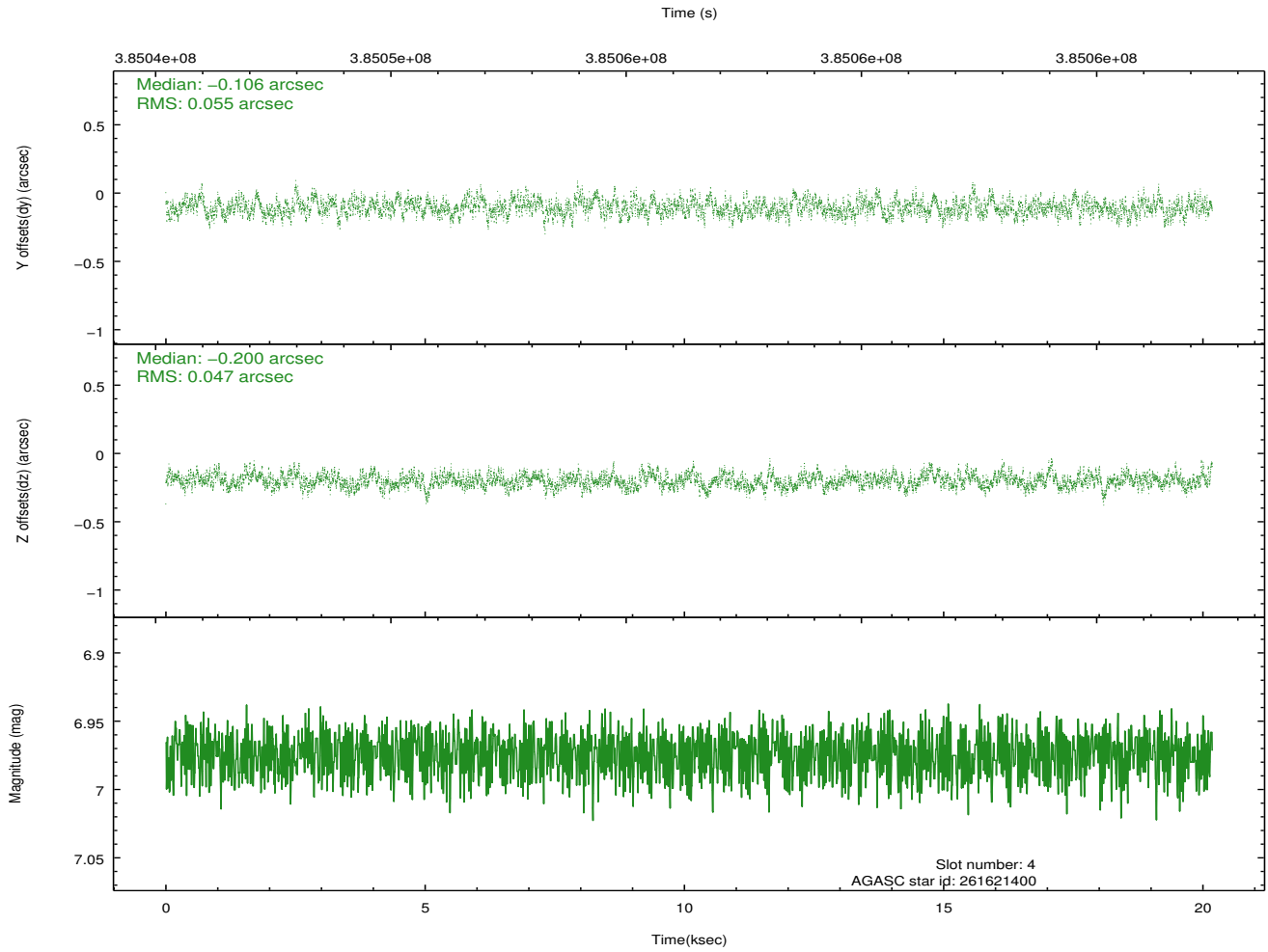
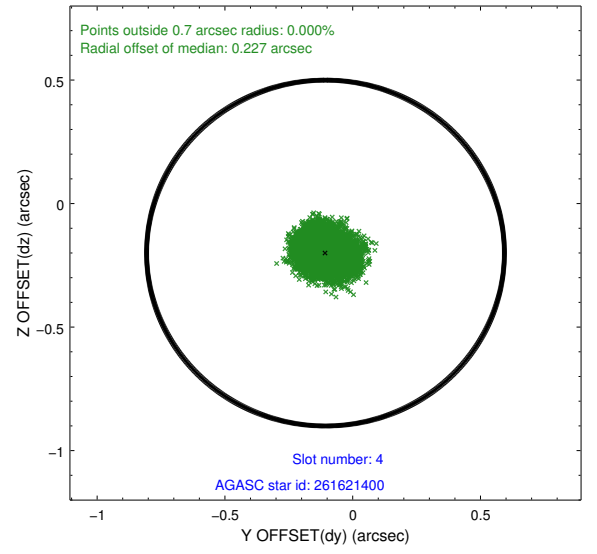
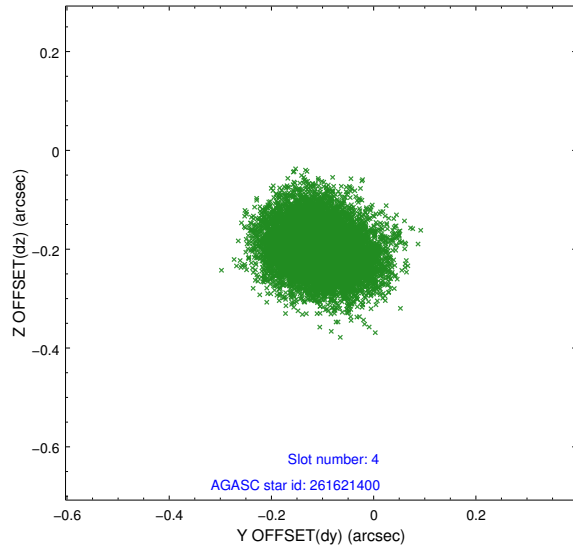
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	4923	0.069	-0.161	0.016	0.024	0.000000	0.000000	-1171.31	-462.06
1	FID	HRC-S-3	6.99	4923	0.017	-0.062	0.018	0.028	0.000000	0.000000	-1174.25	567.48
2	FID	HRC-S-4	6.92	4923	0.303	-0.074	0.012	0.028	0.000000	0.000000	1227.01	570.08
3	GUIDE	261619776	8.79	9815	0.054	-0.267	0.081	0.135	198.654383	29.401174	1811.88	246.36
4	GUIDE	261621400	6.97	9845	-0.106	-0.200	0.078	0.125	198.901600	28.741982	-405.94	1392.88
5	GUIDE	261626376	9.68	9810	0.106	0.072	0.168	0.278	198.947288	29.347445	1022.28	-259.59
6	GUIDE	261629720	8.12	9844	0.125	0.224	0.072	0.113	199.236176	29.044452	-390.40	-122.70
7	GUIDE	261623040	9.13	9825	-0.186	0.175	0.111	0.182	198.792686	29.757643	2403.01	-971.95

2.4 Star Slots

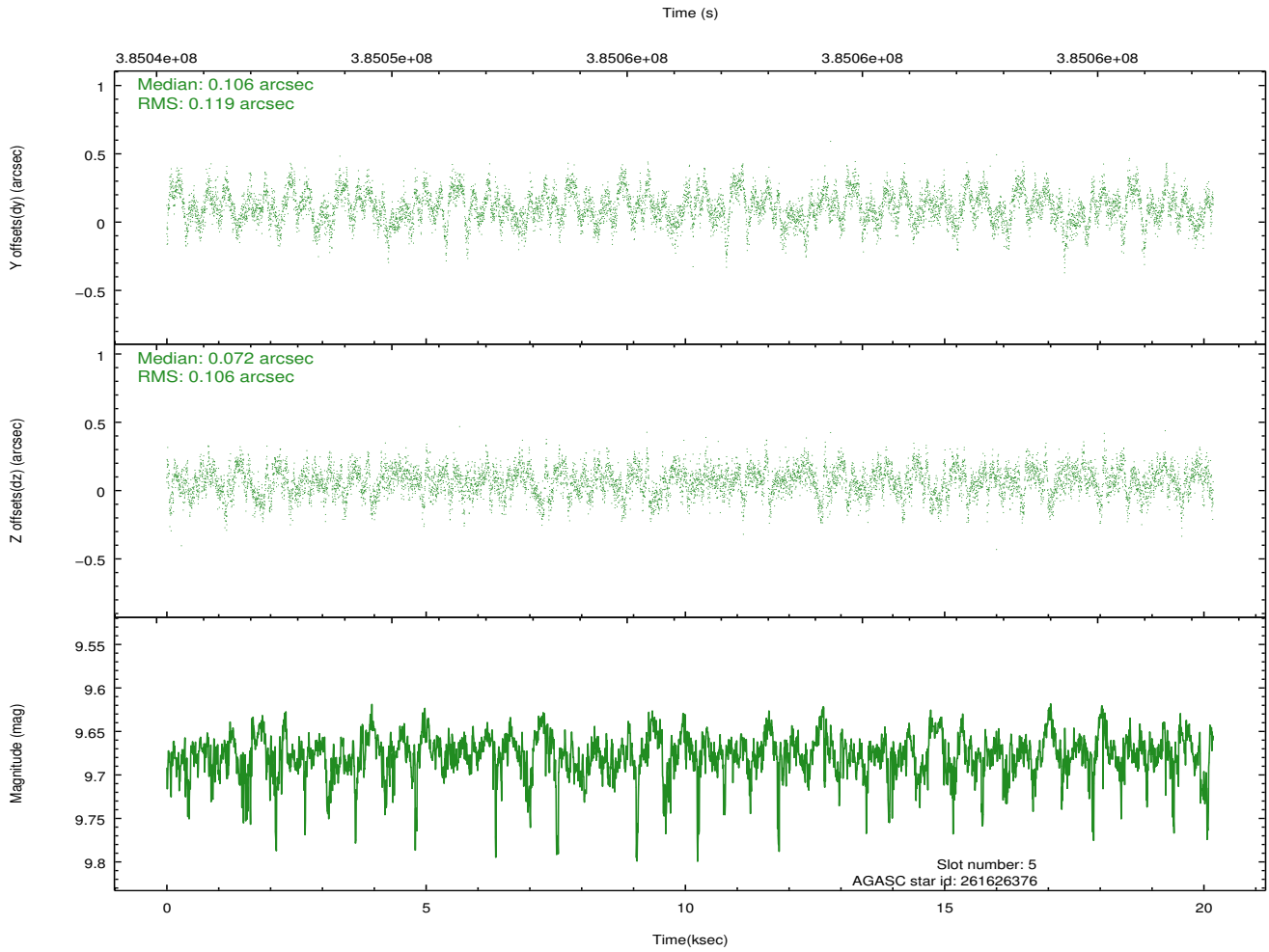
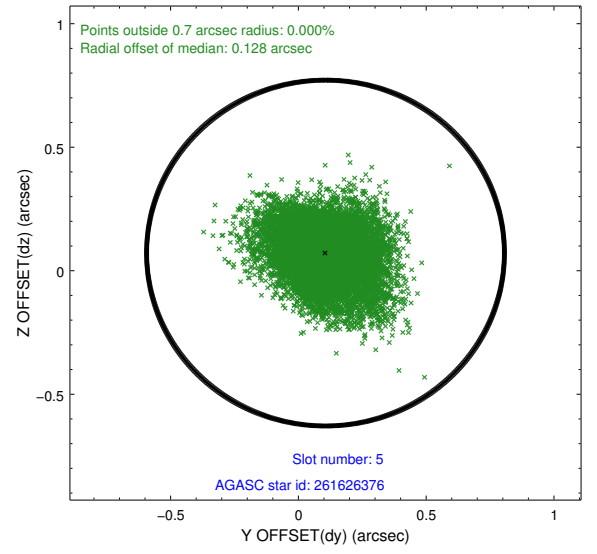
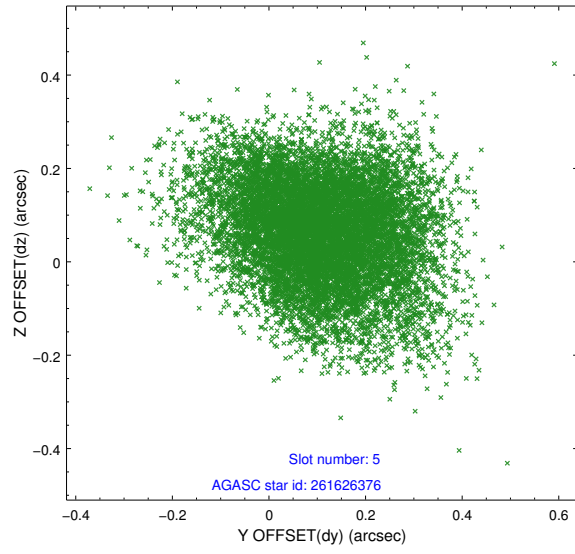
2.4.1 Slot 3



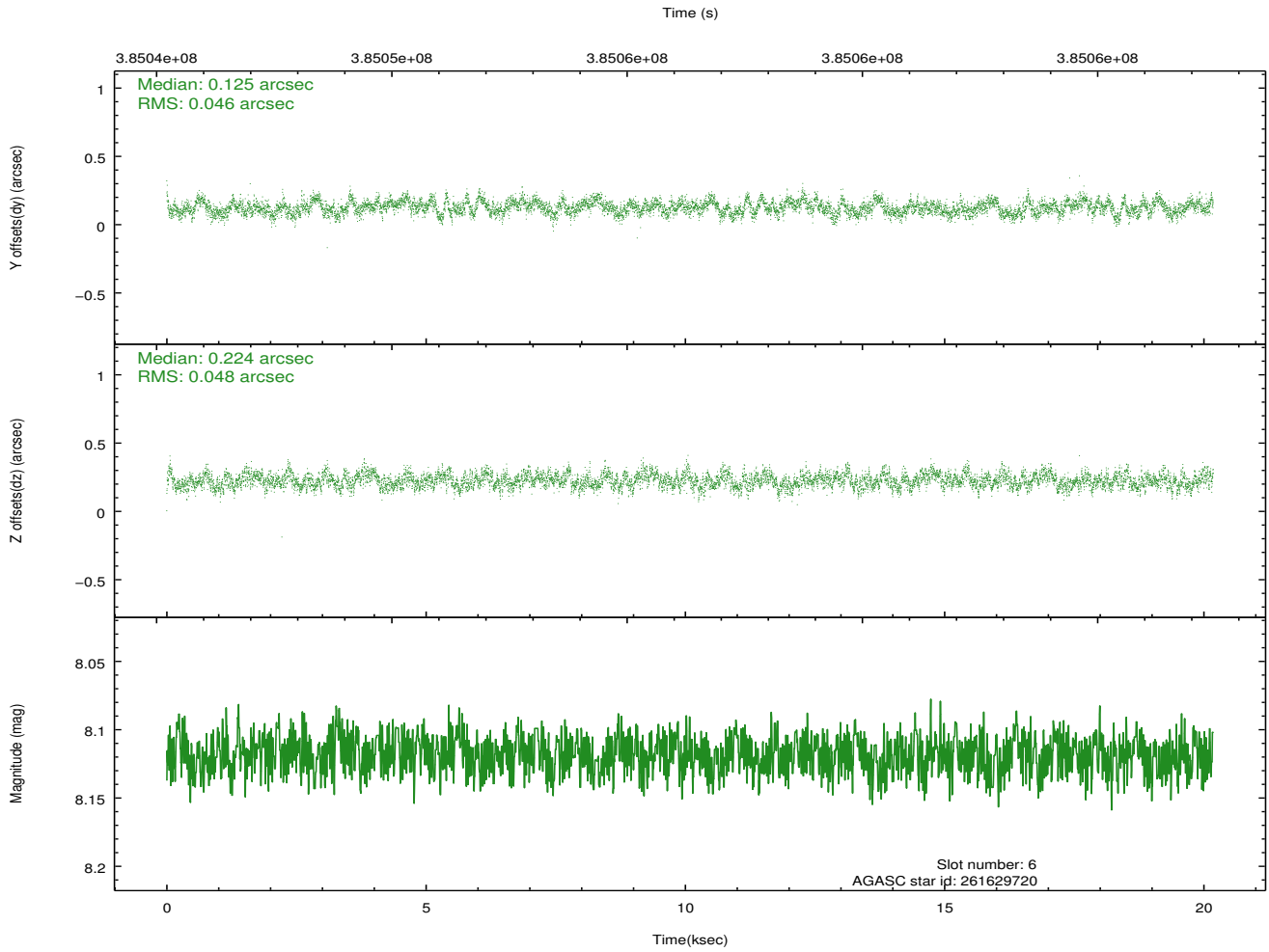
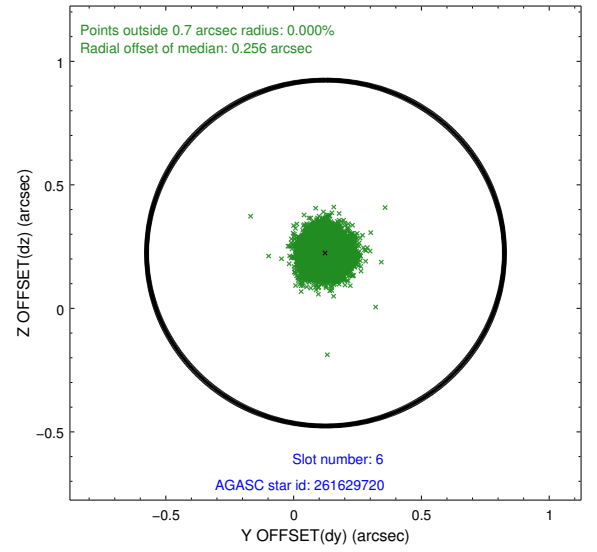
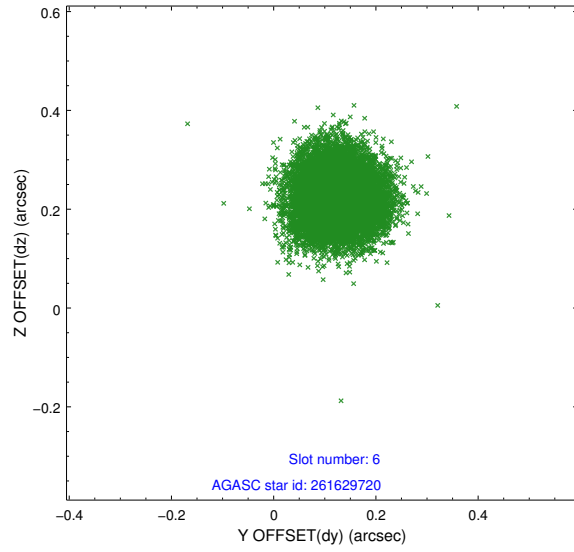
2.4.2 Slot 4



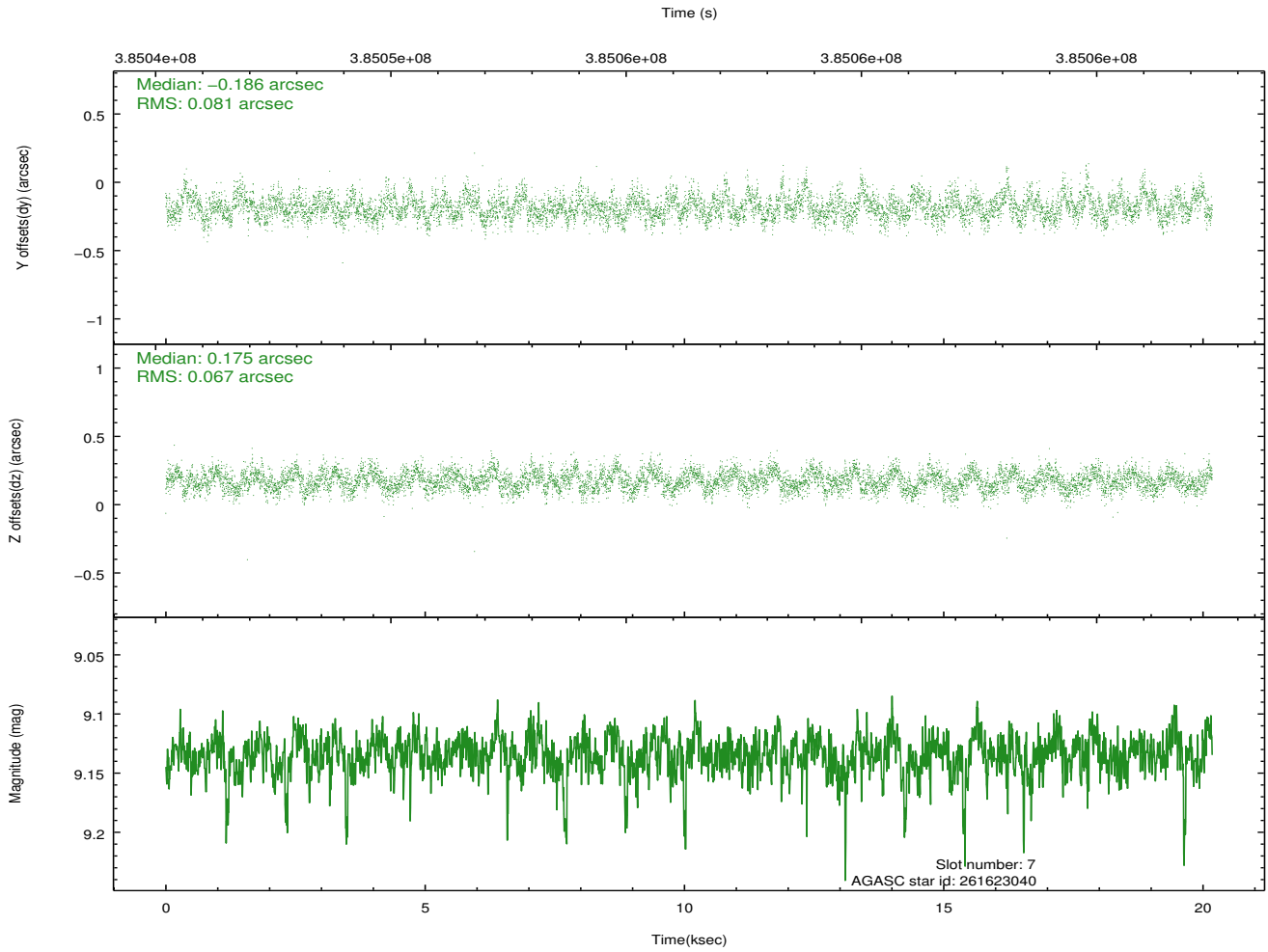
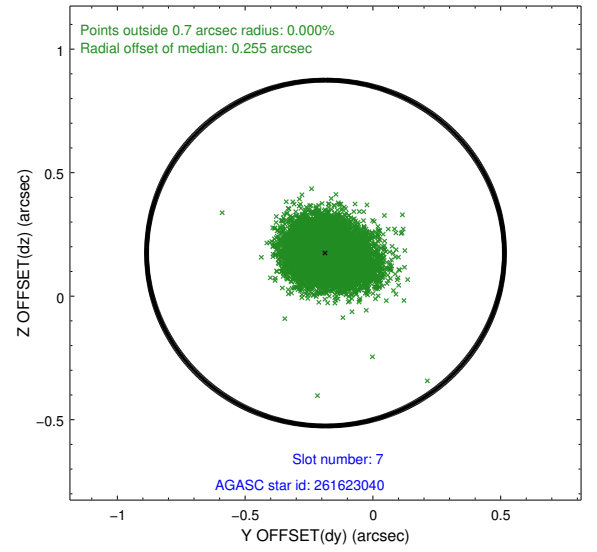
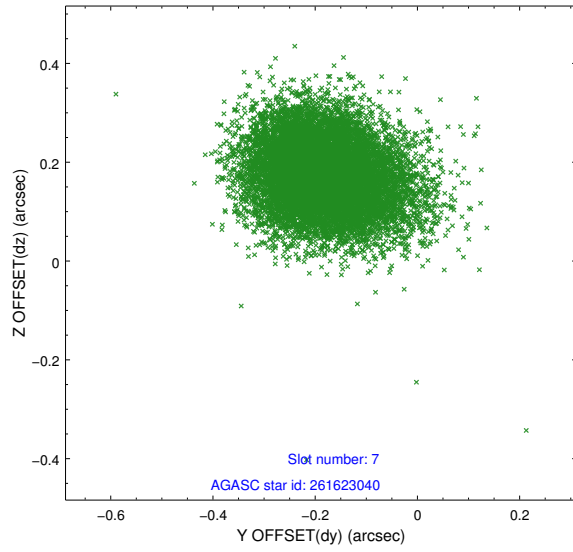
2.4.3 Slot 5



2.4.4 Slot 6

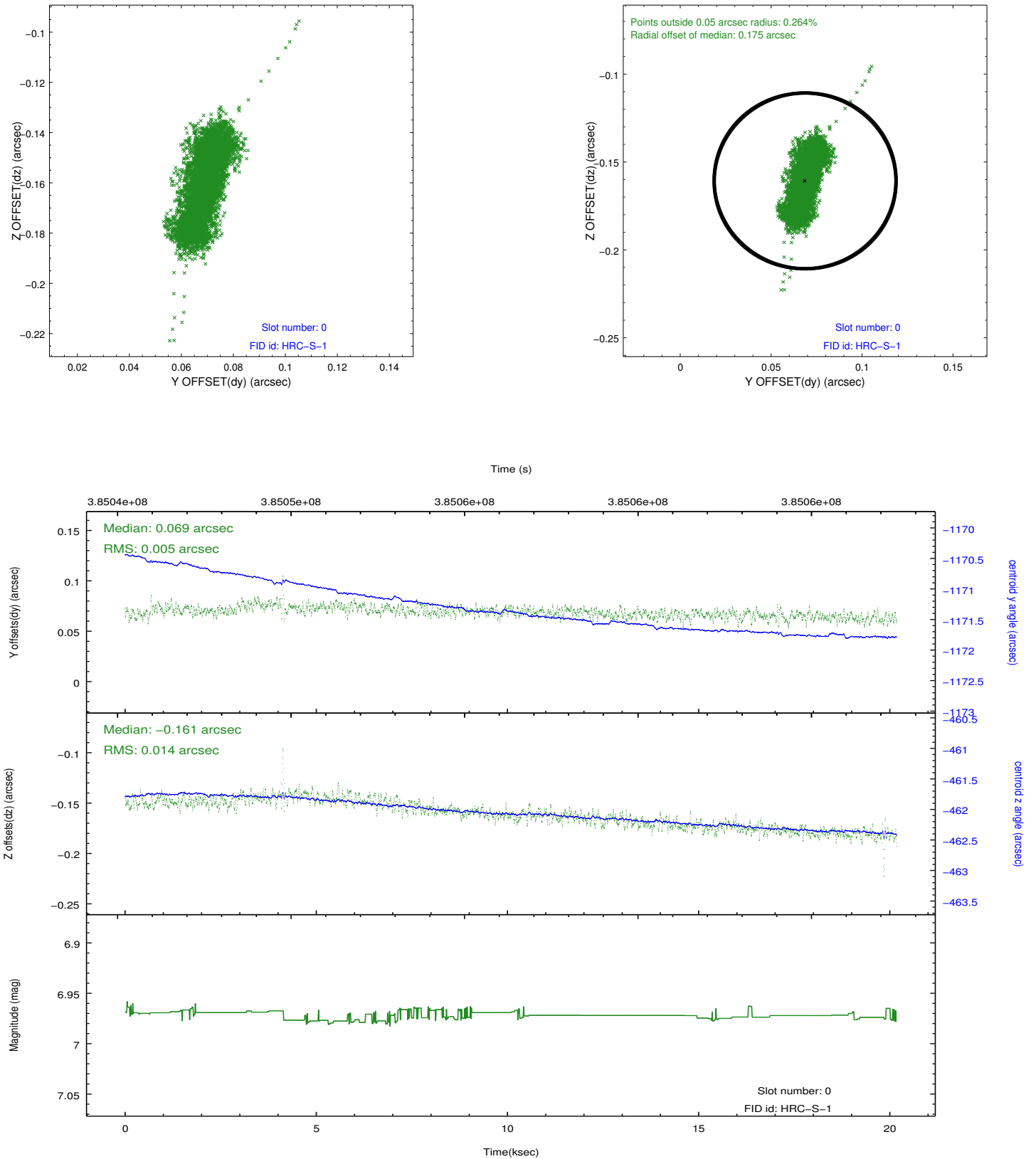


2.4.5 Slot 7

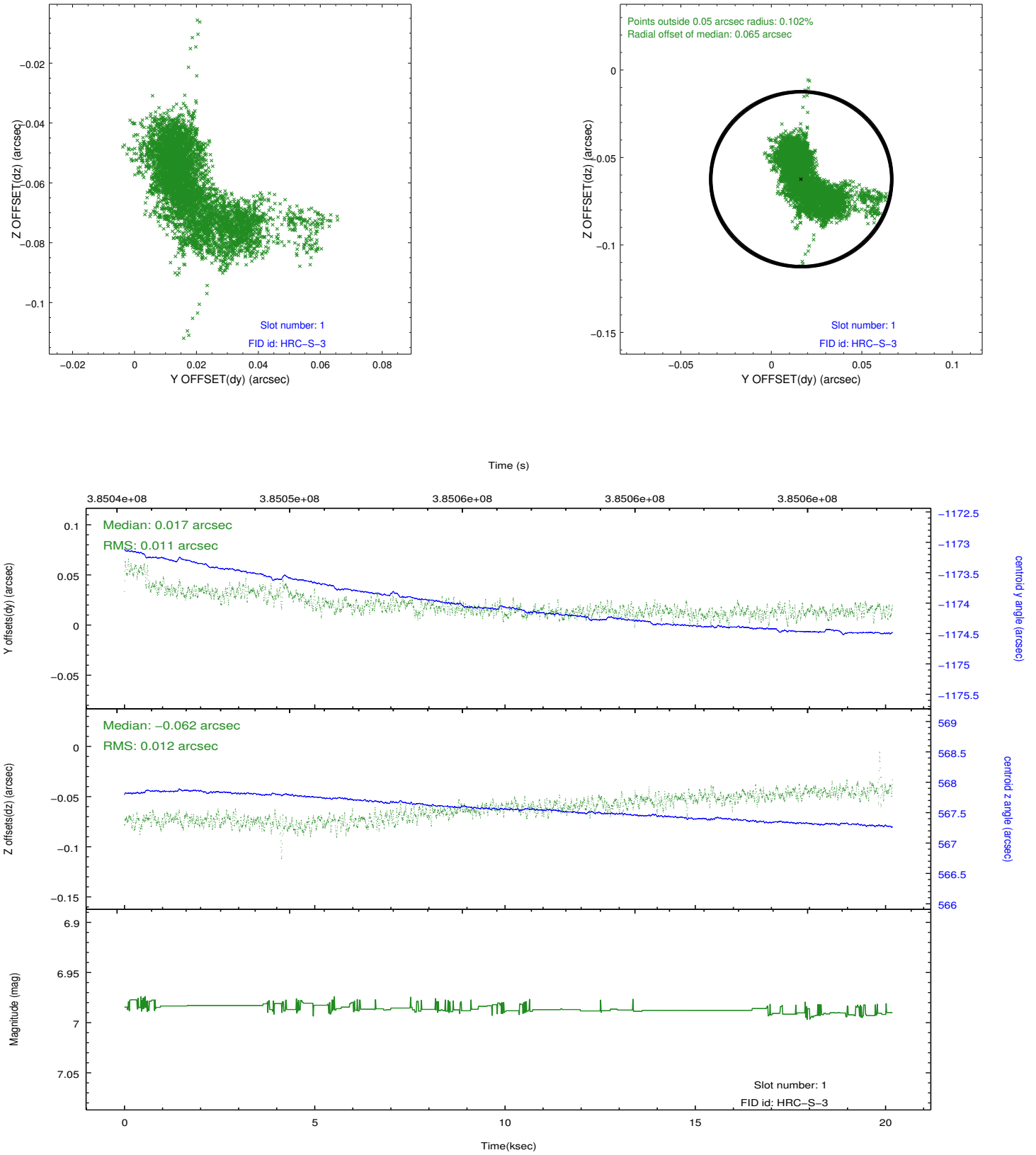


2.5 FID Slots

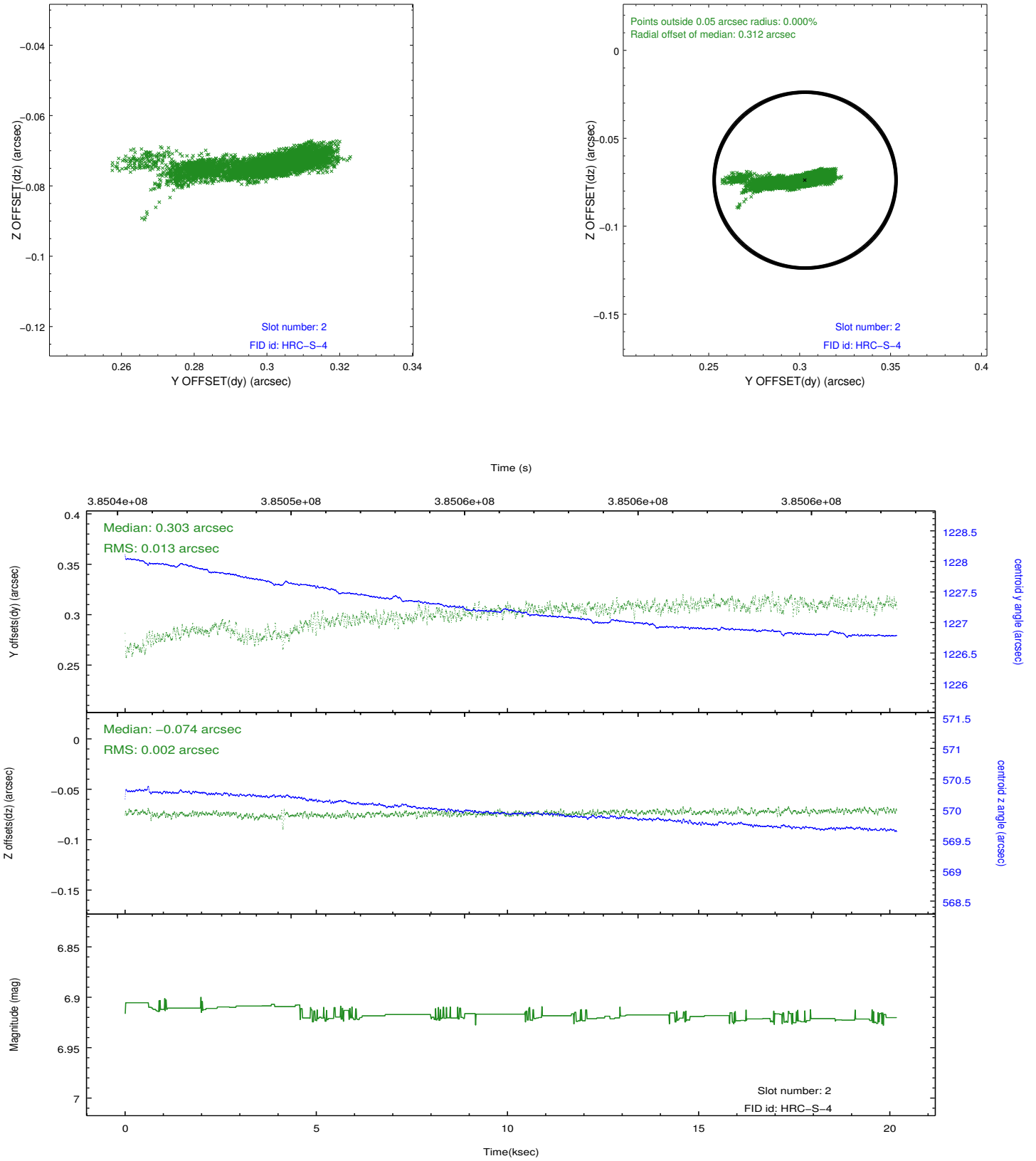
2.5.1 Slot 0



2.5.2 Slot 1

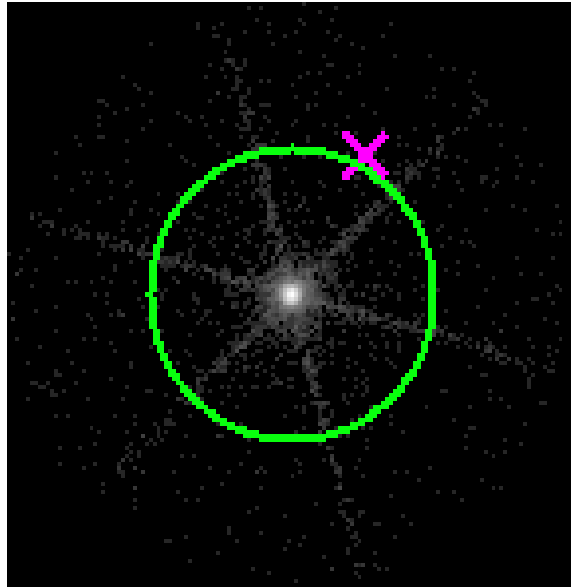


2.5.3 Slot 2

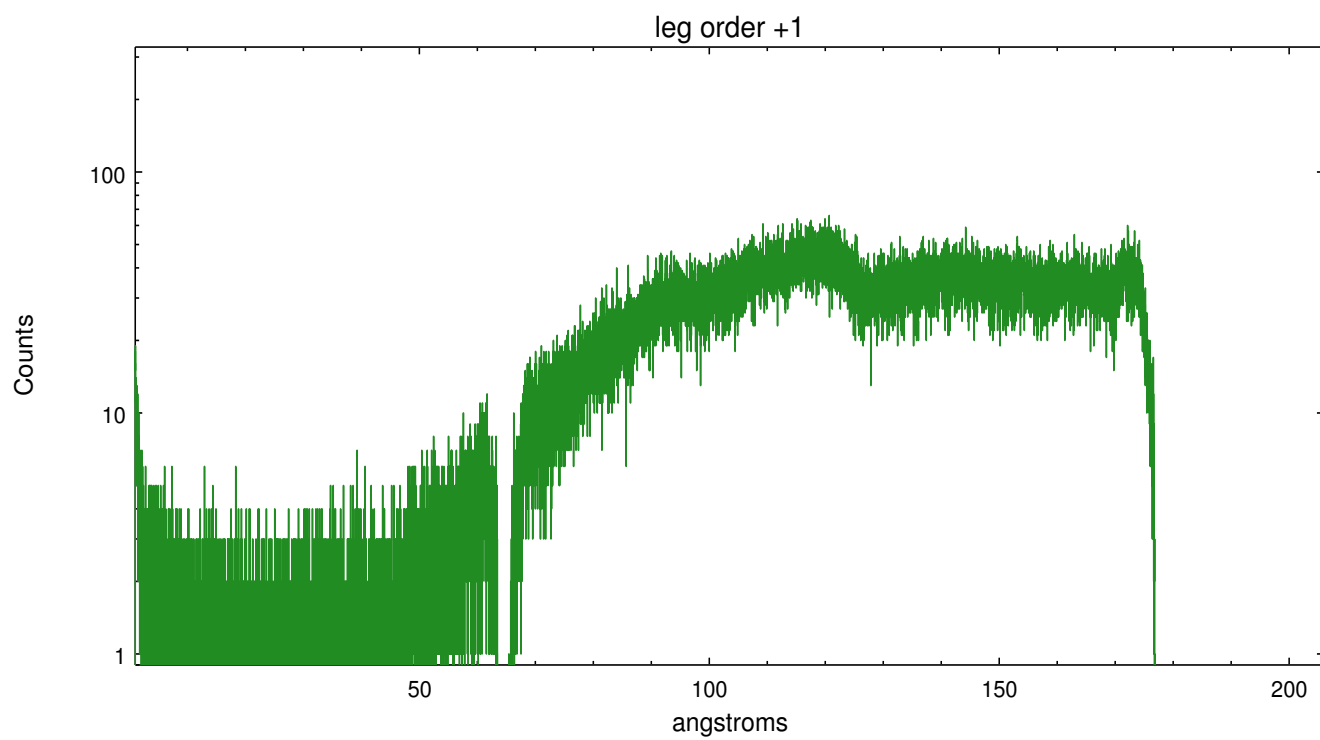
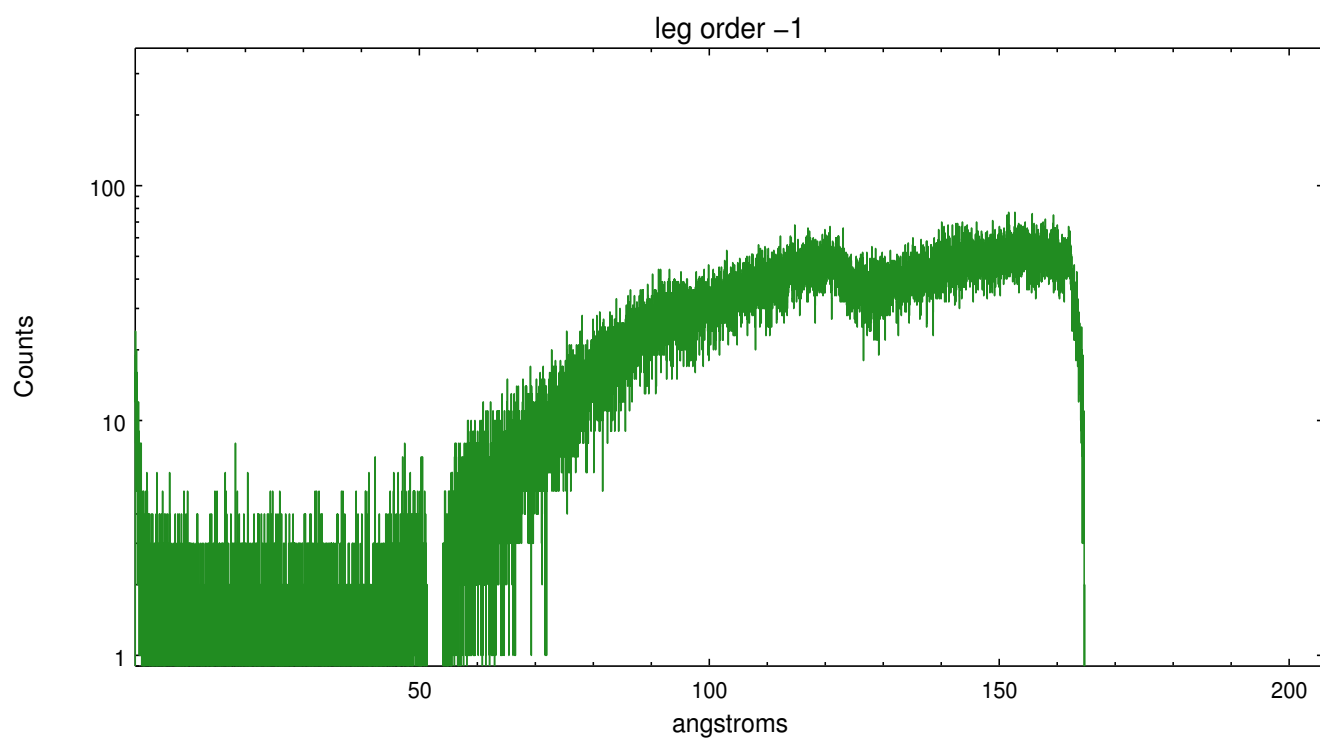


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.181226

A.2 Comments