

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1897 - L2 Version 4
Chandra X-Ray Center

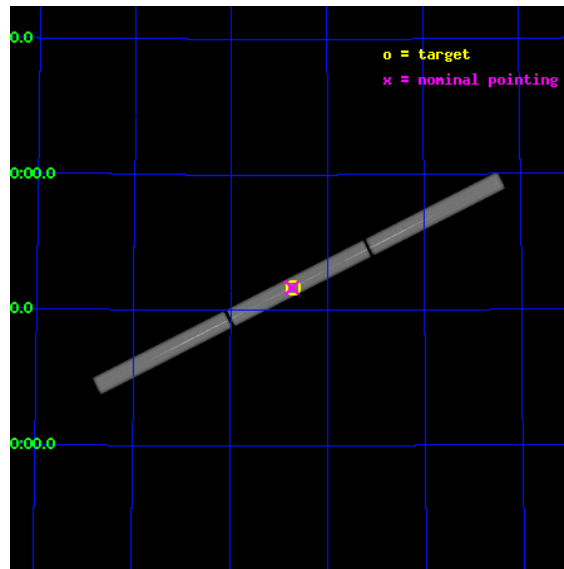
L2 Processing Date : Sep 6 2012

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	300045	Sequence number
obs_id	1897	Observation id
title	CHANDRA SOFT X-RAY SPECTROSCOPY AND TIMING OF THE DWARF NOVA SS CYGNI IN OUTBURST	Proposal title
observer	Christopher Mauche	Principal investigator
object	SS CYG	Source name
ra_targ	325.677917	Observer's specified target RA [deg]
dec_targ	43.585972	Observer's specified target Dec [deg]
ra_nom	325.68377346392	Nominal RA [deg]
dec_nom	43.583617425652	Nominal Dec [deg]
roll_nom	333.21489675606	Nominal Roll [deg]
revision	4	Processing version of data
ontime	47355.001819149	[s]
livetime	47095.959311331	Ontime multiplied by DTCOR
l2events	2079044	Number of level 2 events

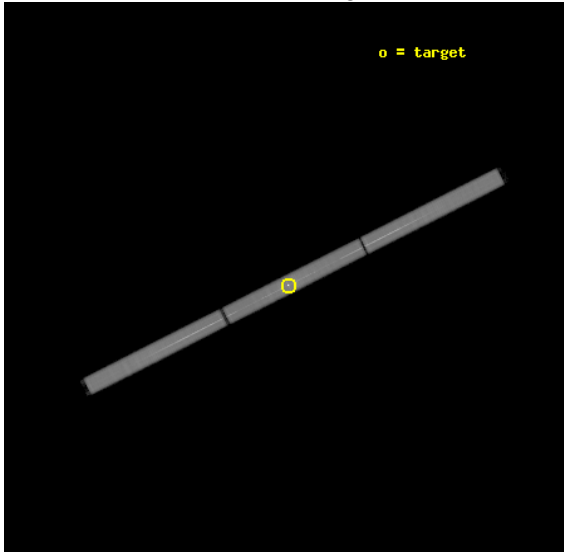


2 OBI

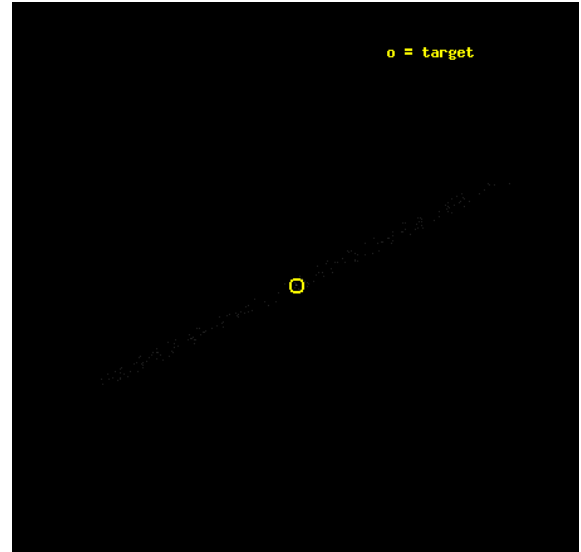
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	47500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	47355.001819149	[s]
caldbver	4.5.1.1	 	l1events	2899012	Number of level 1 events
date	2012-09-06T13:18:46	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

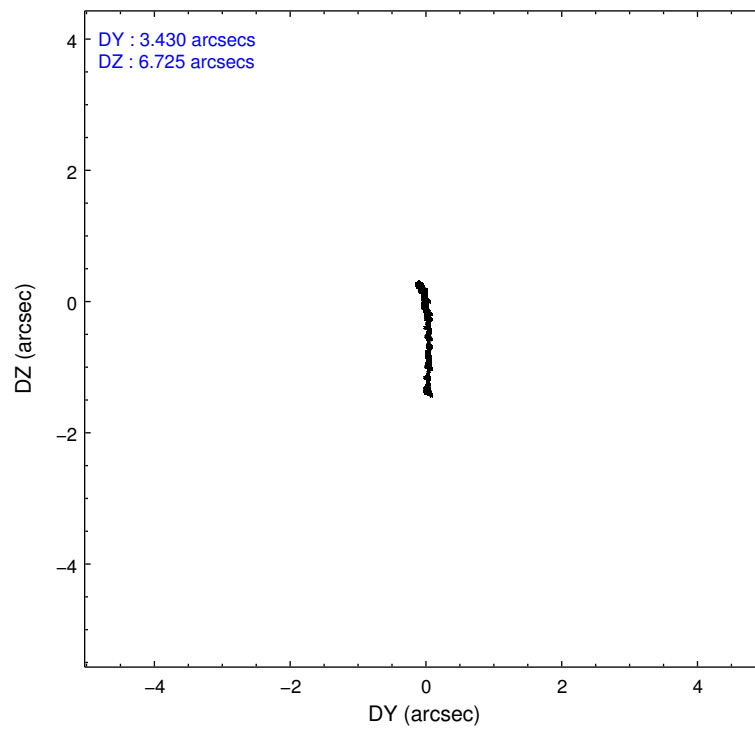
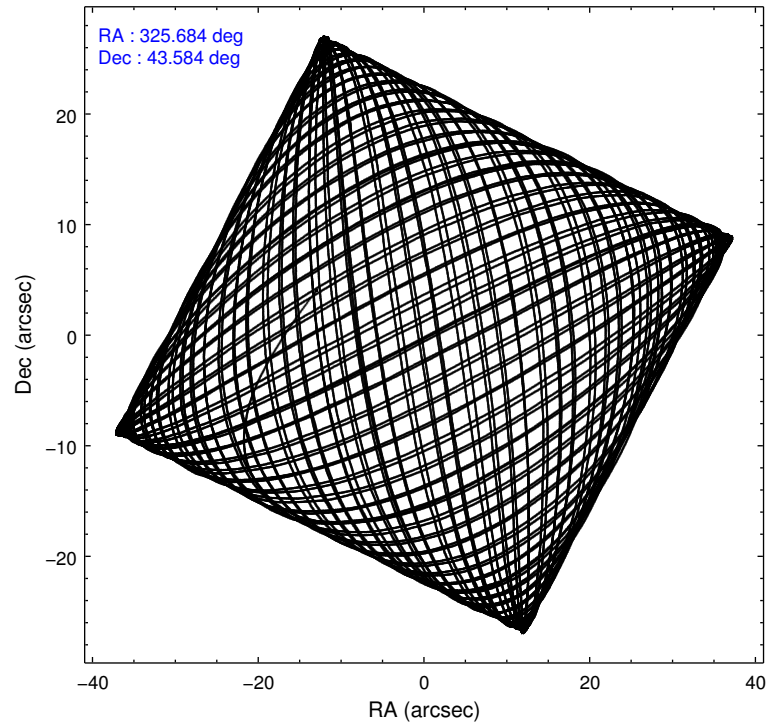
	segment 1	segment 2	segment 3
level 1 events	949231	983028	966753
rejected events	1805	8085	1828
rejected %	0%	0%	0%

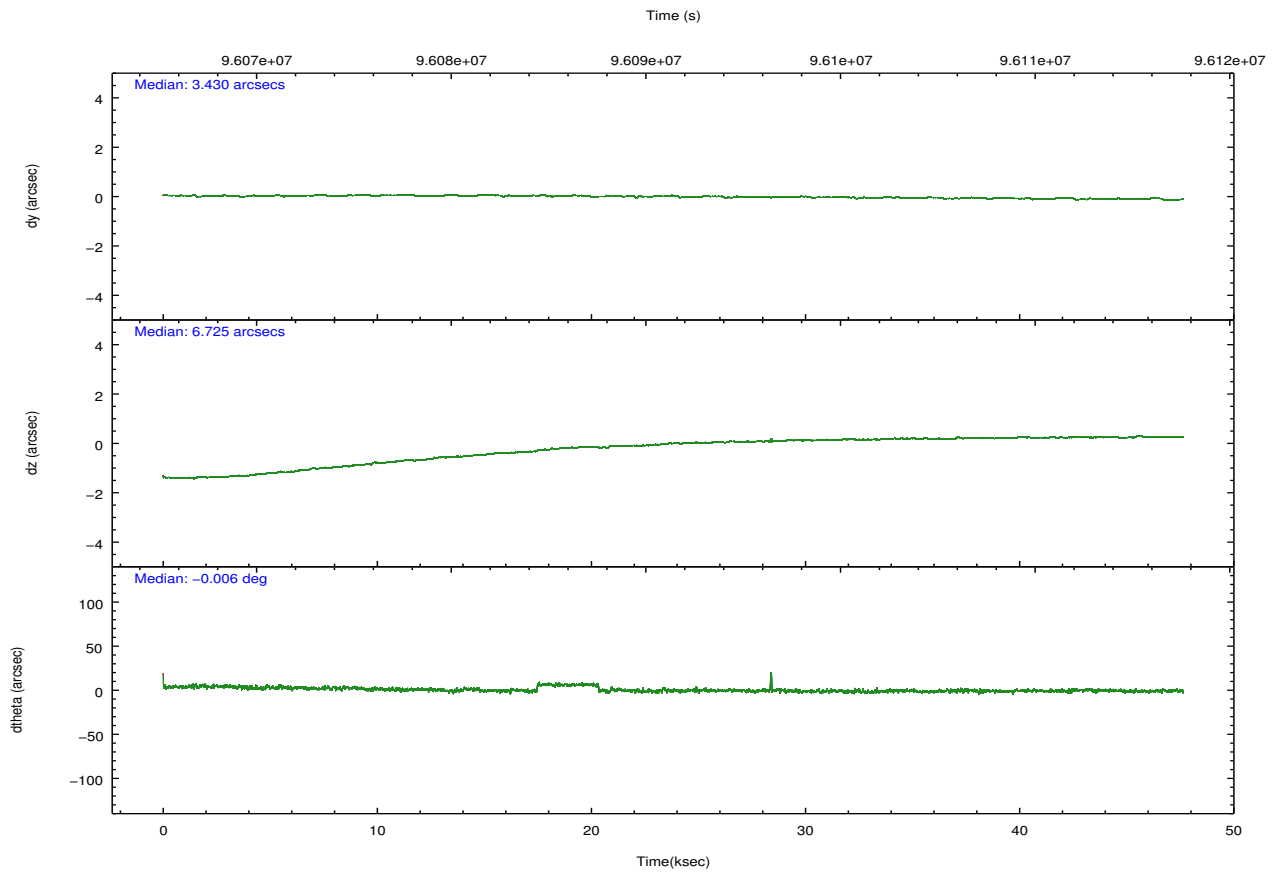
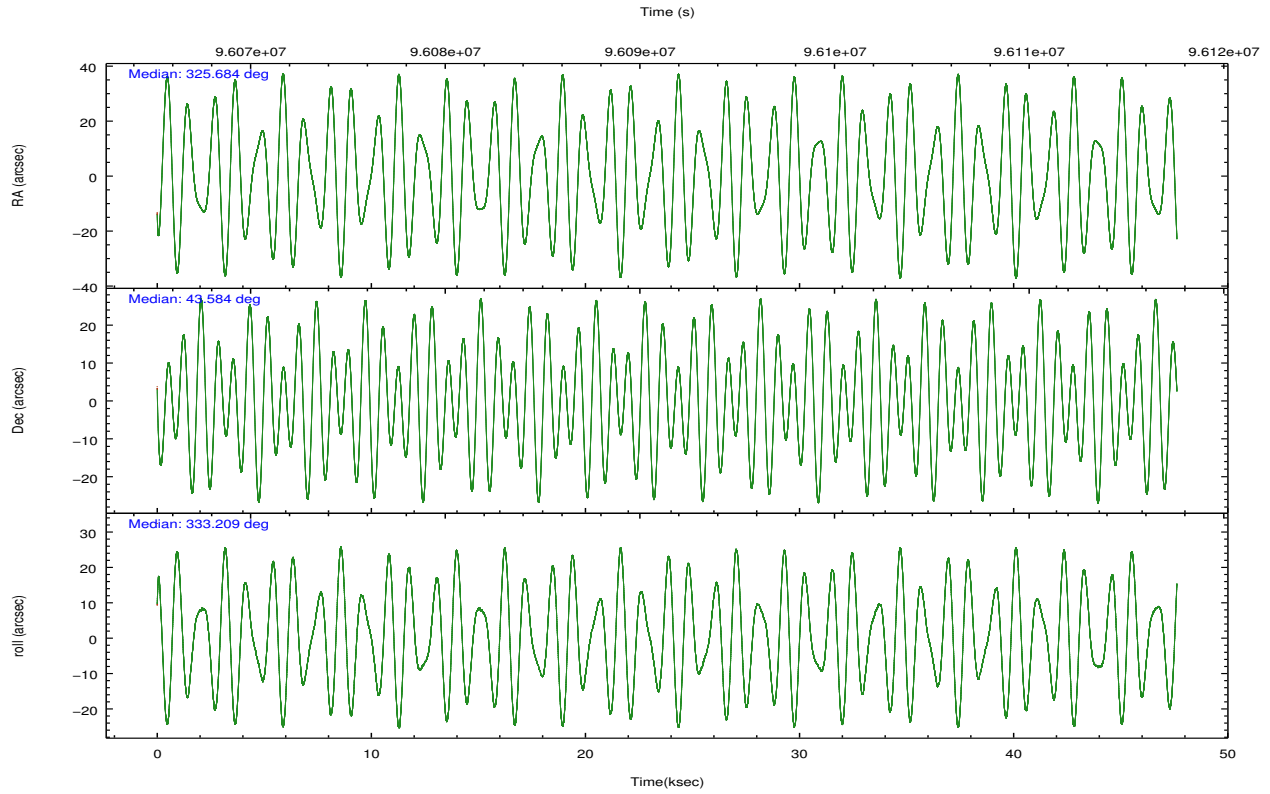
2.2 Compared Parameters

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	325.644341	325.6837734639176
[deg] Pointing Dec	43.580715	43.58361742565212
[deg] Pointing Roll	333.174741	333.2148967560607
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	96067709.184000	96066780.966417
Observation start date	2001-01-16T21:27:25	2001-01-16T21:13:00
[s] Observation end time (MET)	96115209.184000	96115796.4683
Observation end date	2001-01-17T10:39:05	2001-01-17T10:49:56

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

2.3 Aspect



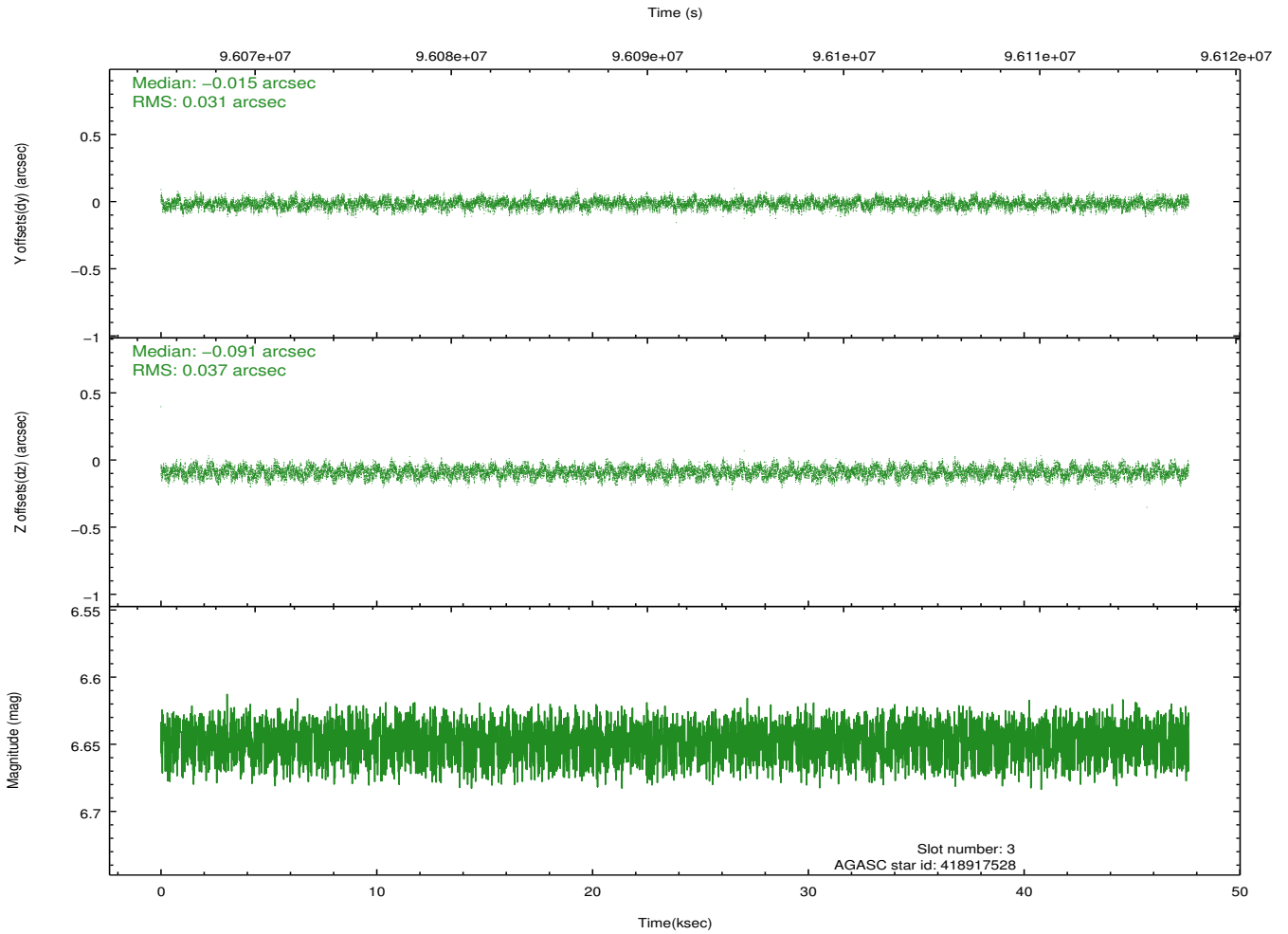
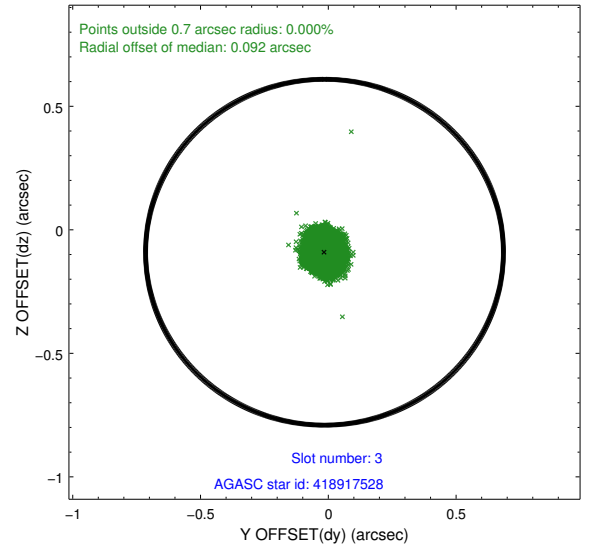
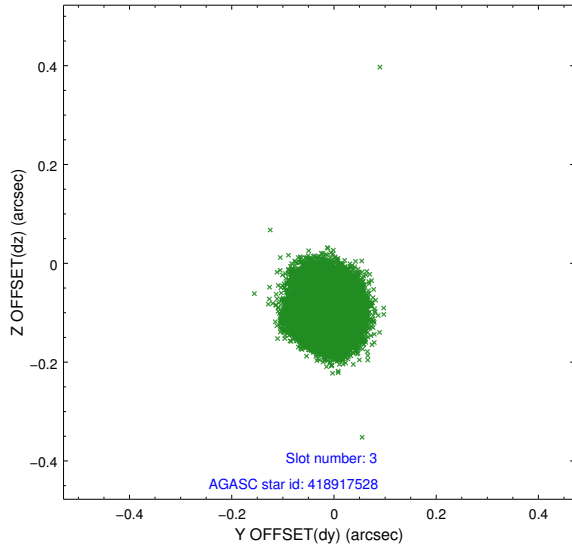


Slot Statistics

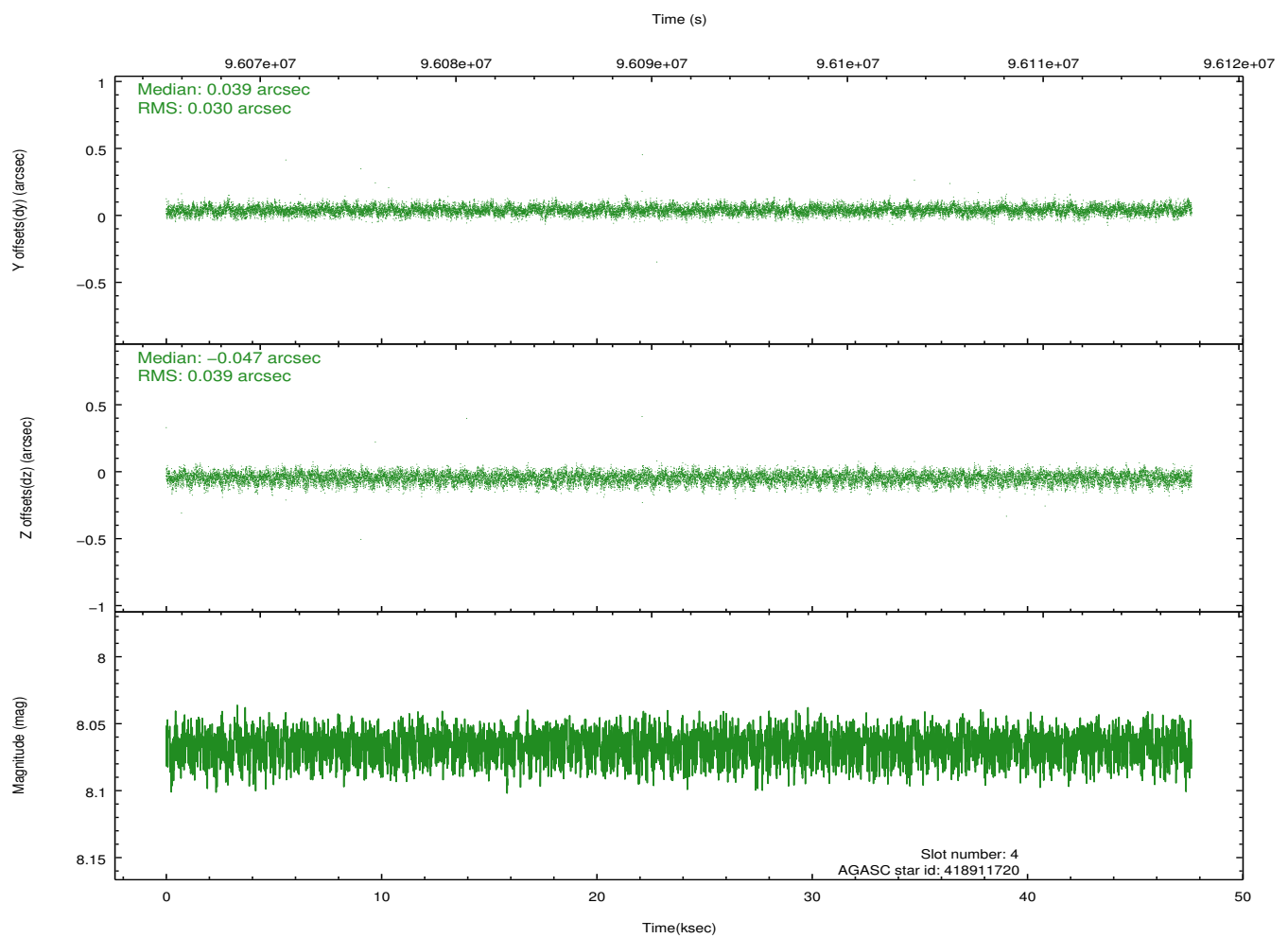
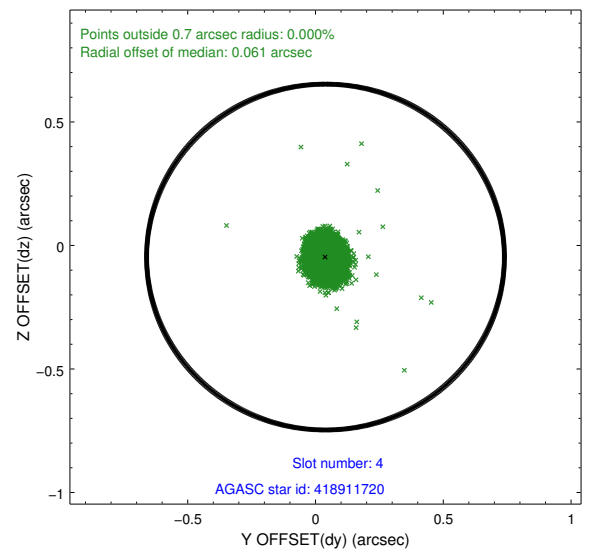
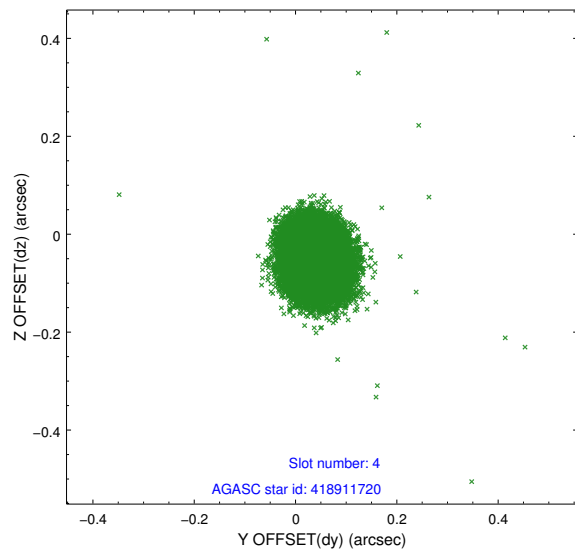
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	11616	0.108	-0.098	0.023	0.059	0.000000	0.000000	-1157.47	-455.03
1	FID	HRC-S-3	6.99	11617	0.167	-0.108	0.024	0.064	0.000000	0.000000	-1160.28	574.47
2	FID	HRC-S-4	6.91	11616	0.112	-0.091	0.008	0.014	0.000000	0.000000	1240.64	577.22
3	GUIDE	418917528	6.65	23235	-0.015	-0.091	0.052	0.081	326.183940	43.429213	1503.52	153.87
4	GUIDE	418911720	8.07	23234	0.039	-0.047	0.051	0.083	325.786180	43.583511	326.05	175.99
5	GUIDE	418919976	8.34	23230	-0.021	-0.022	0.054	0.088	325.082300	43.946188	-1895.48	520.71
6	GUIDE	418921312	8.37	23230	-0.061	0.098	0.071	0.112	325.434453	44.282525	-1623.02	2010.92
7	GUIDE	418387128	8.32	23228	0.054	0.064	0.059	0.096	325.650766	43.010481	942.26	-1824.27

2.4 Star Slots

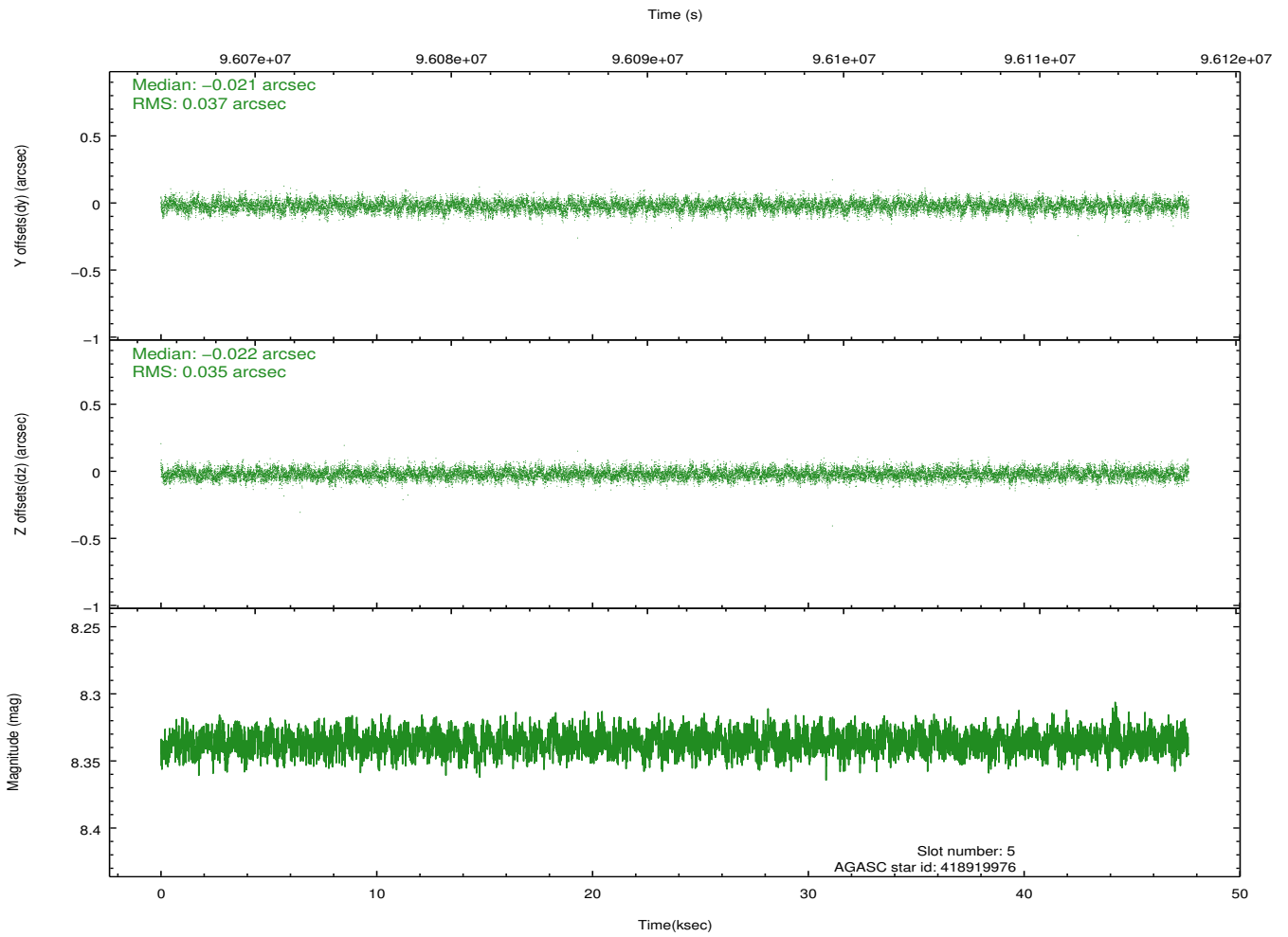
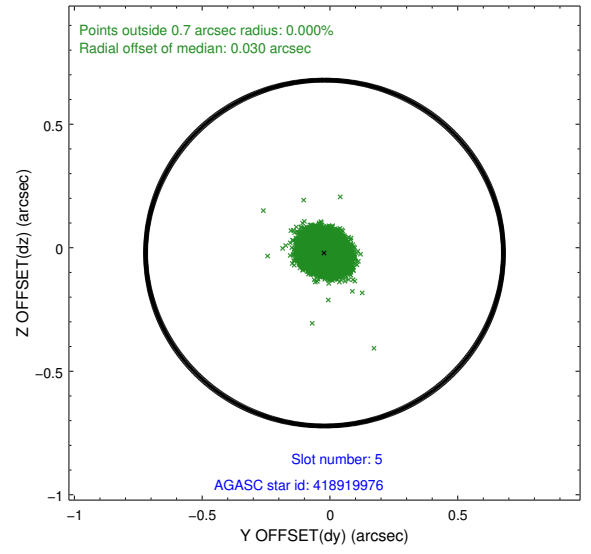
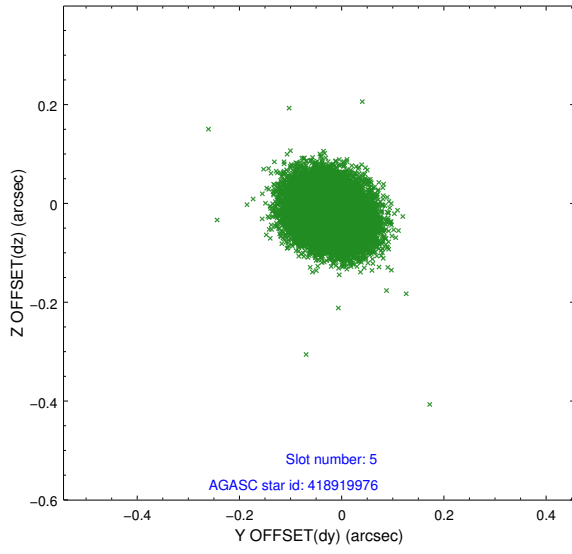
2.4.1 Slot 3



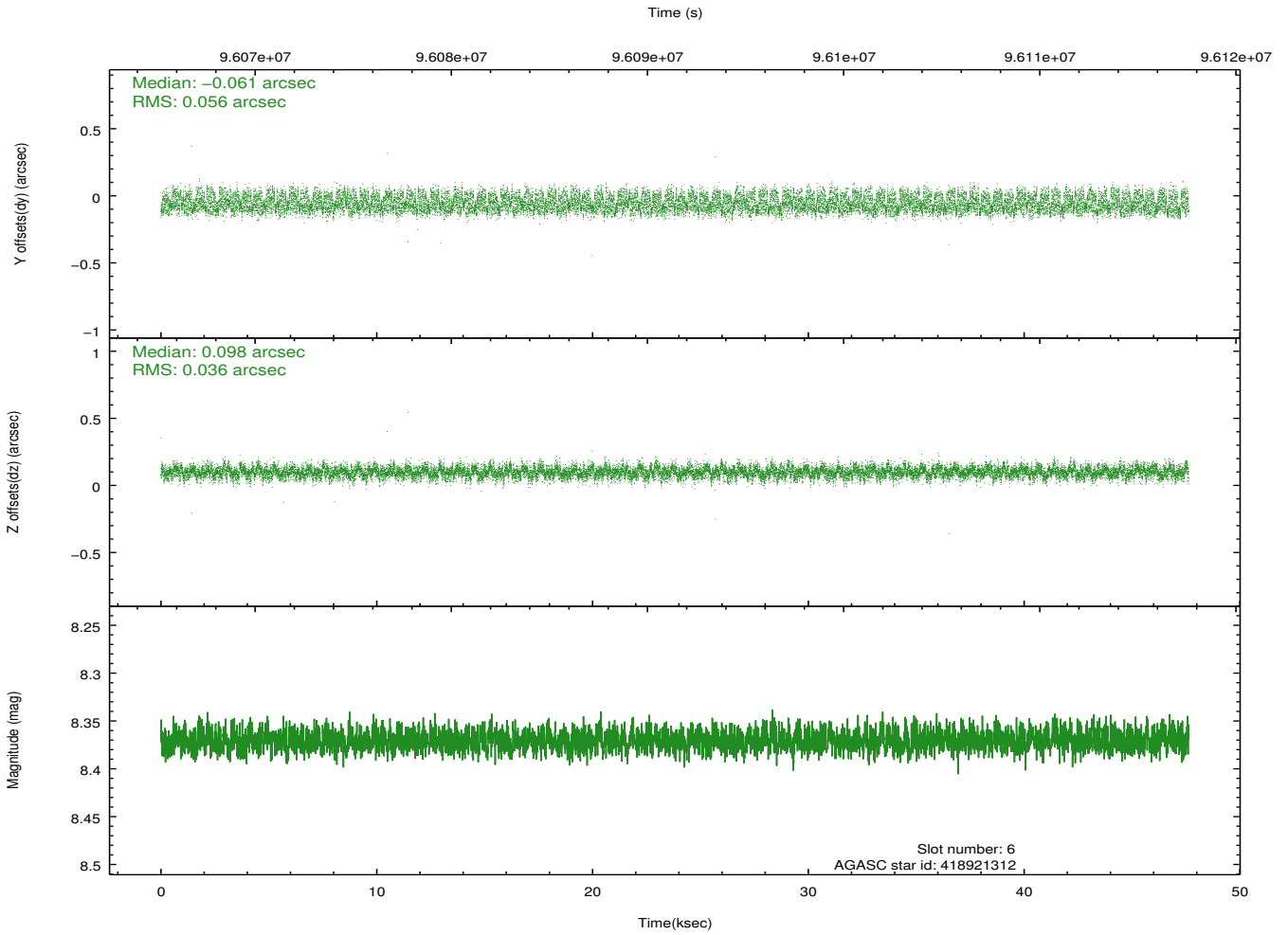
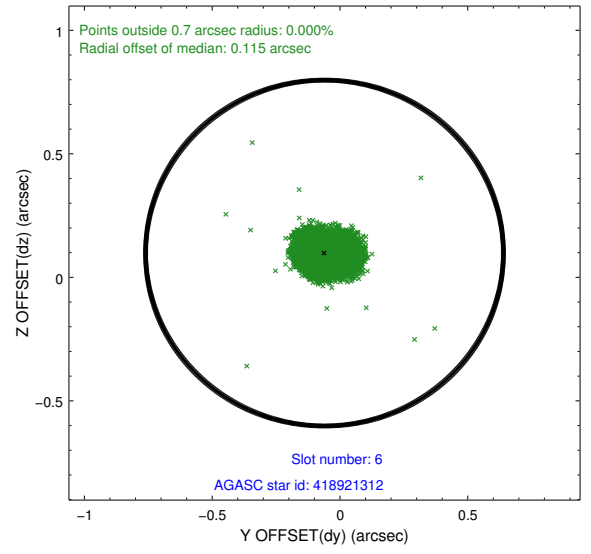
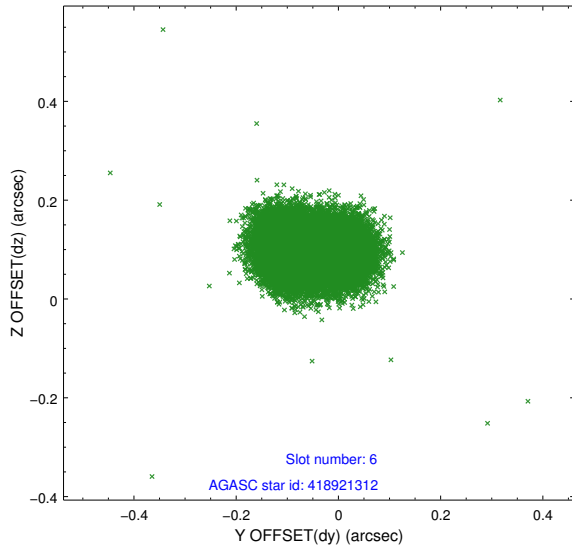
2.4.2 Slot 4



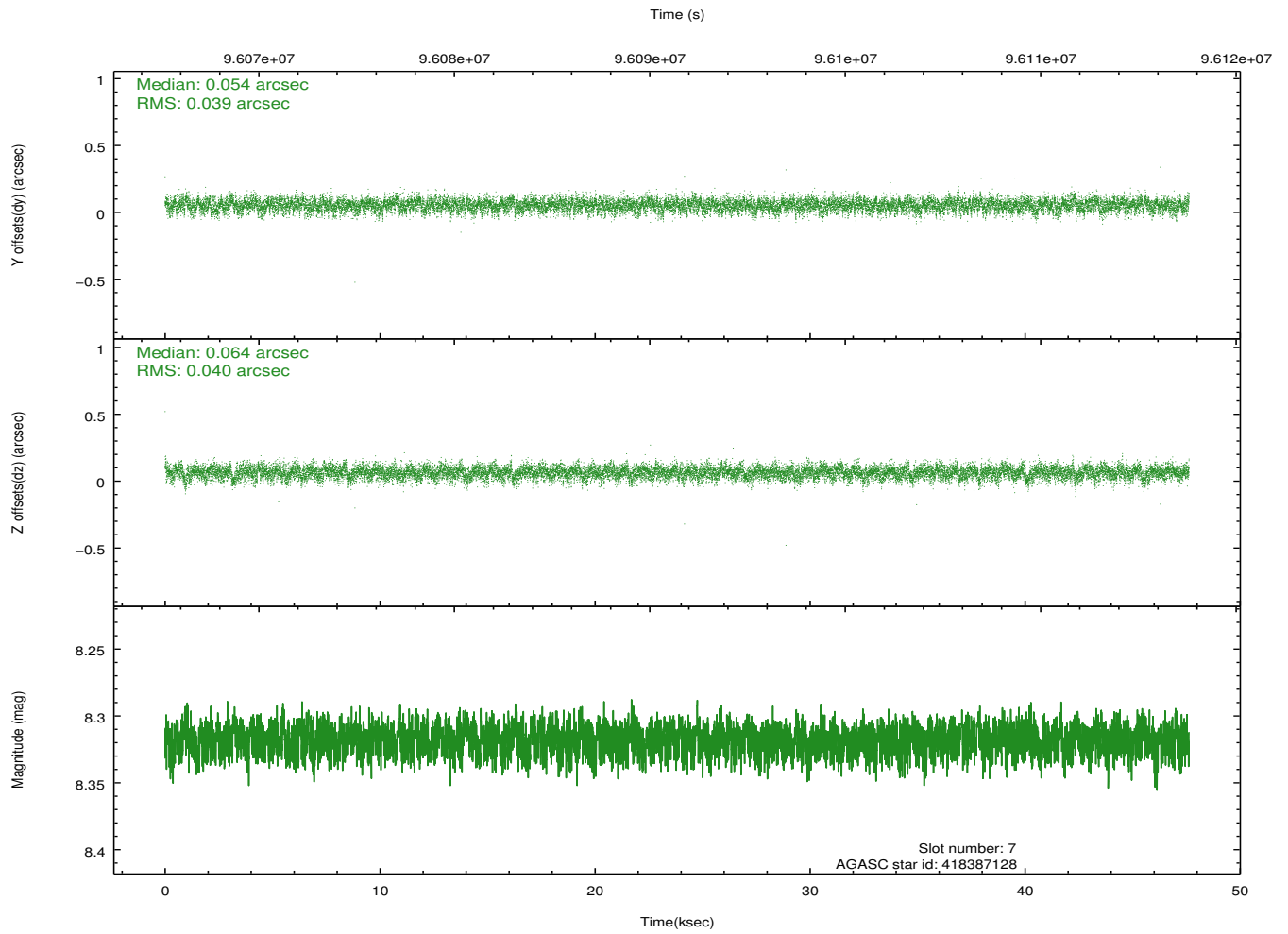
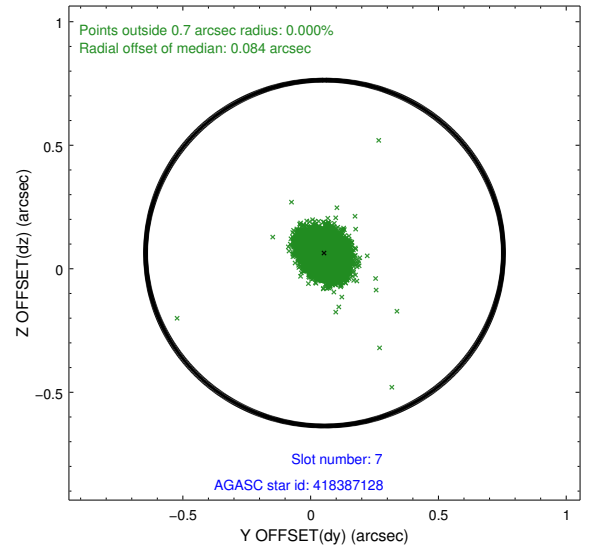
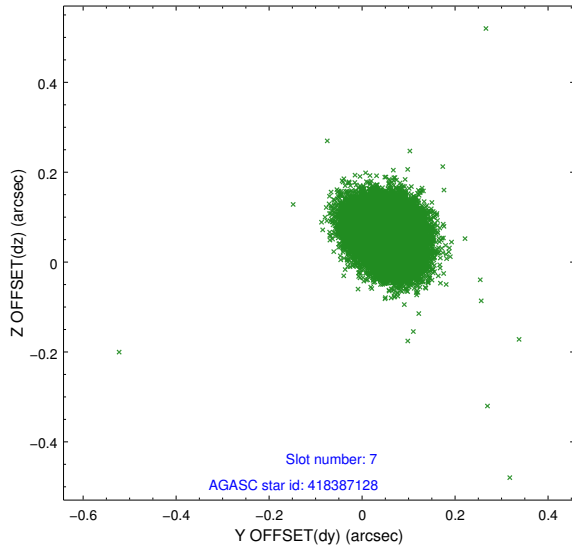
2.4.3 Slot 5



2.4.4 Slot 6

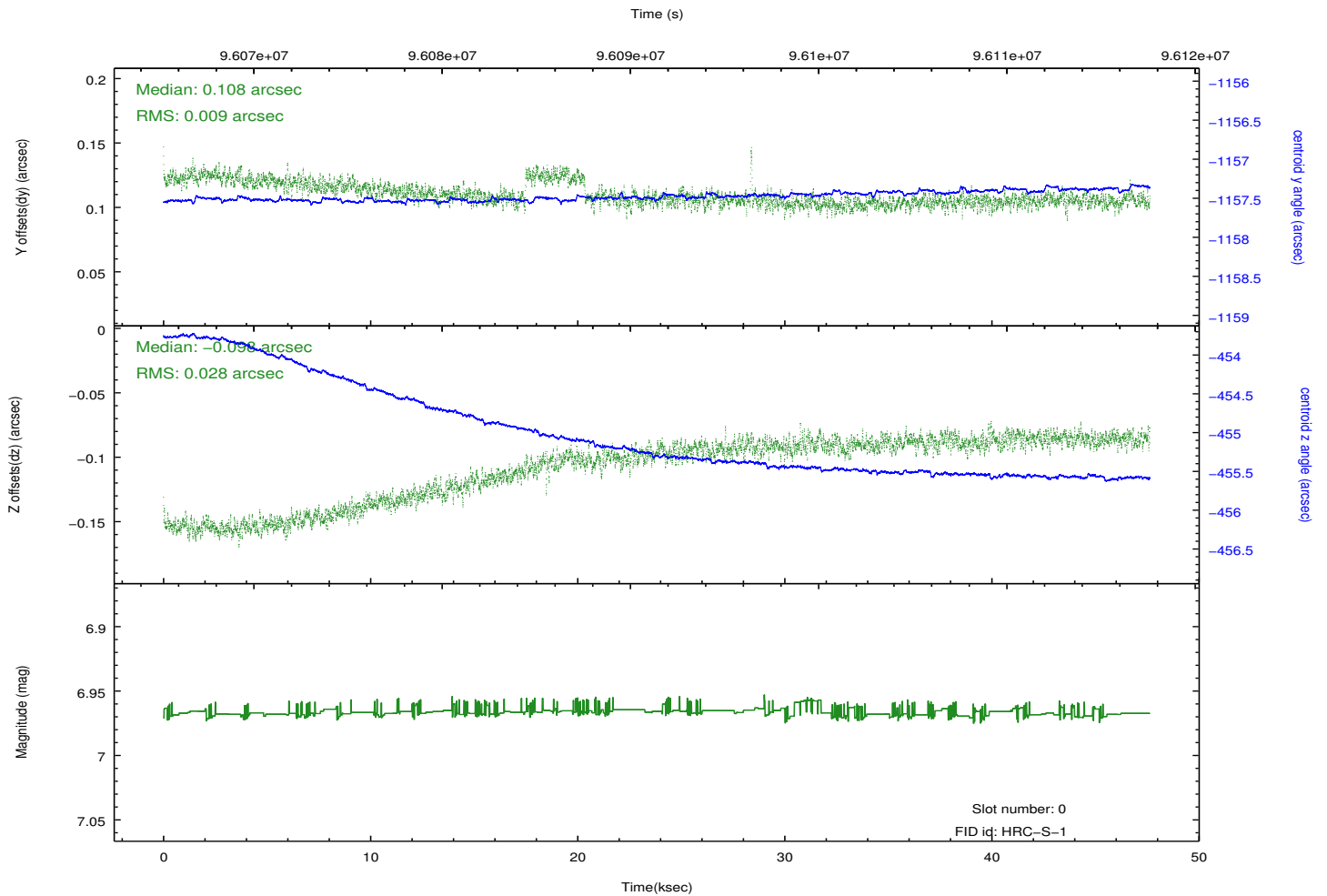
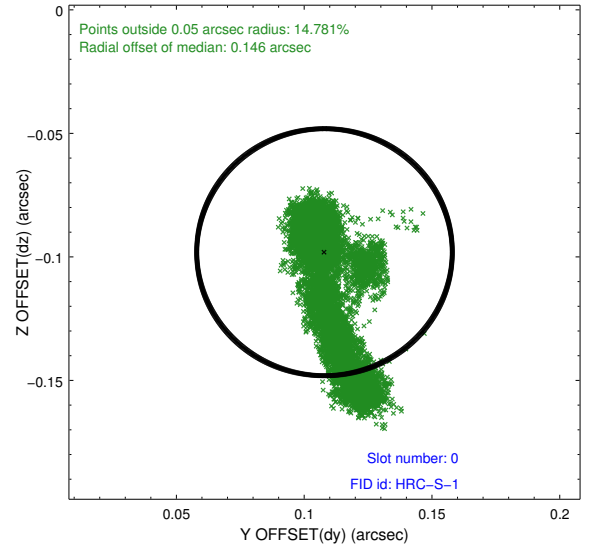
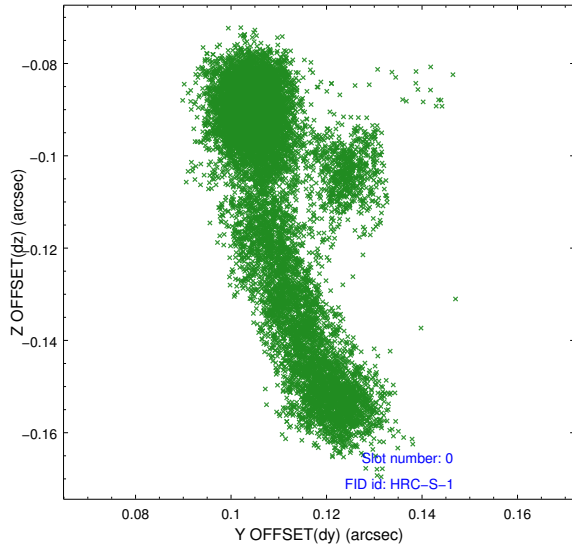


2.4.5 Slot 7

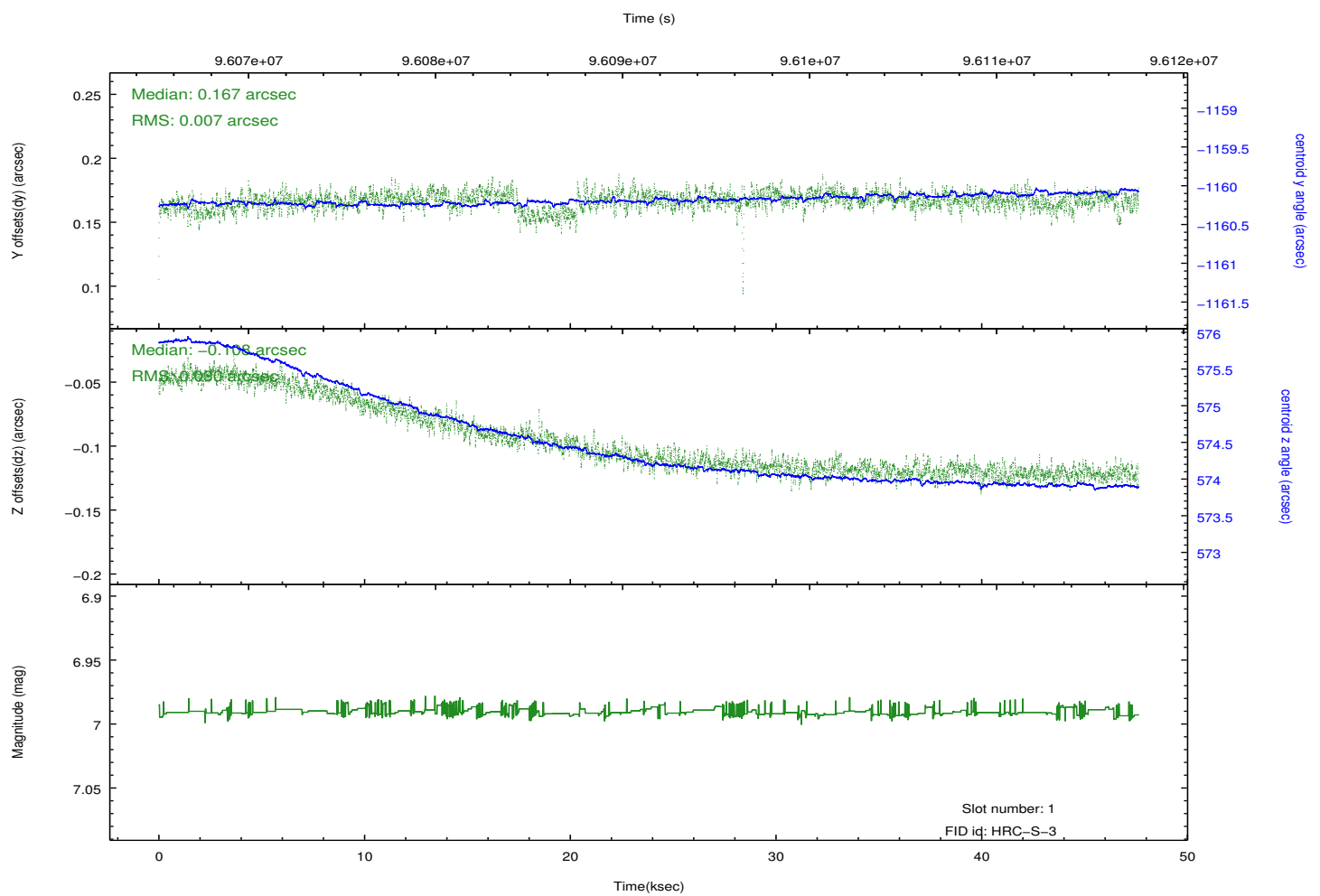
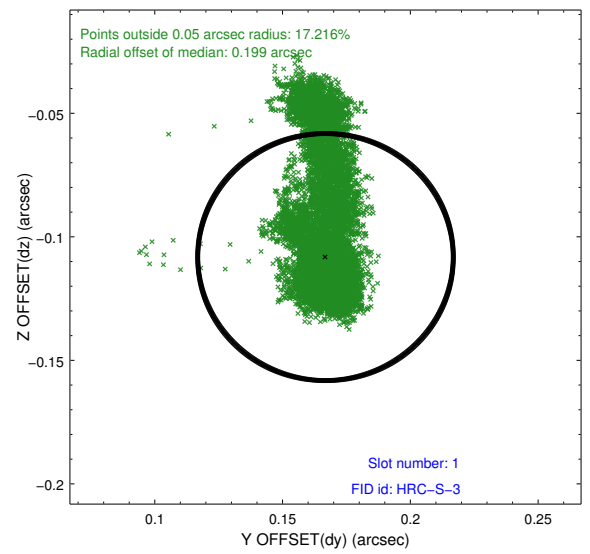
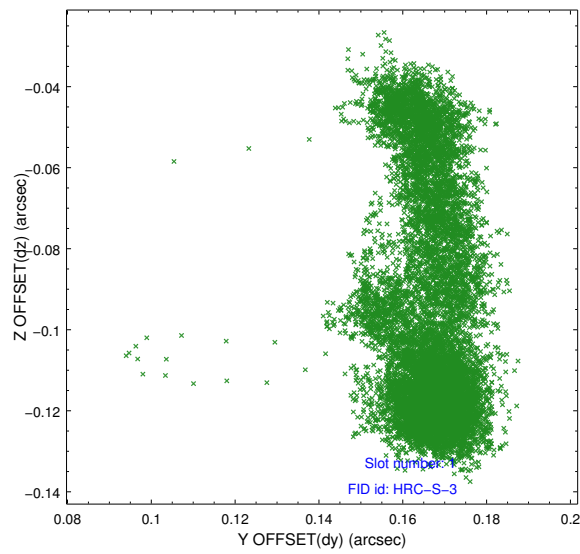


2.5 FID Slots

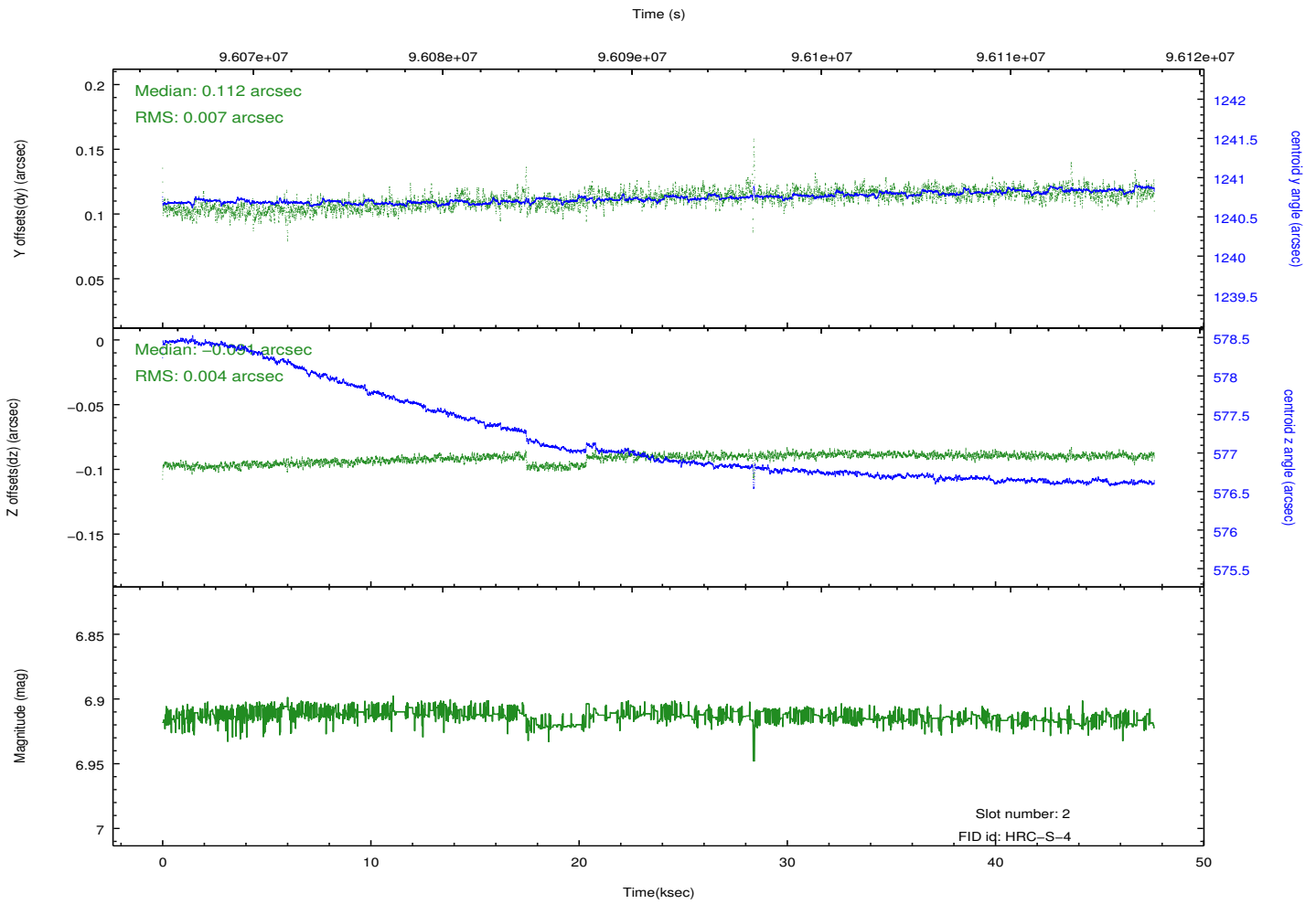
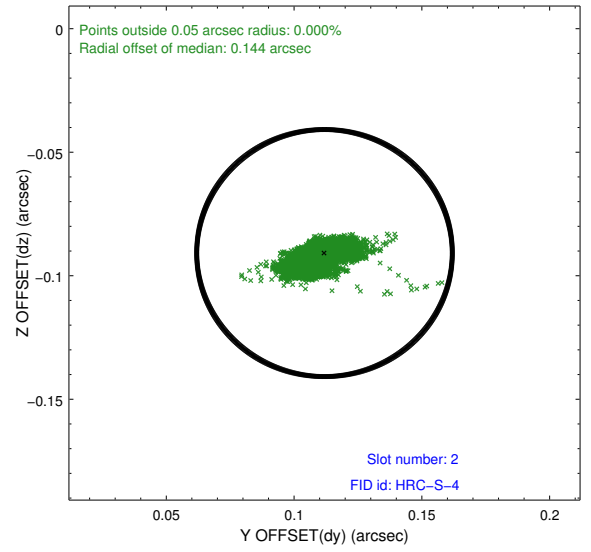
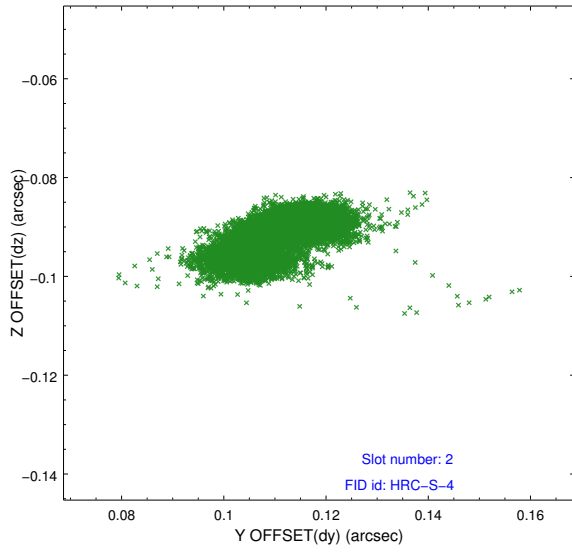
2.5.1 Slot 0



2.5.2 Slot 1

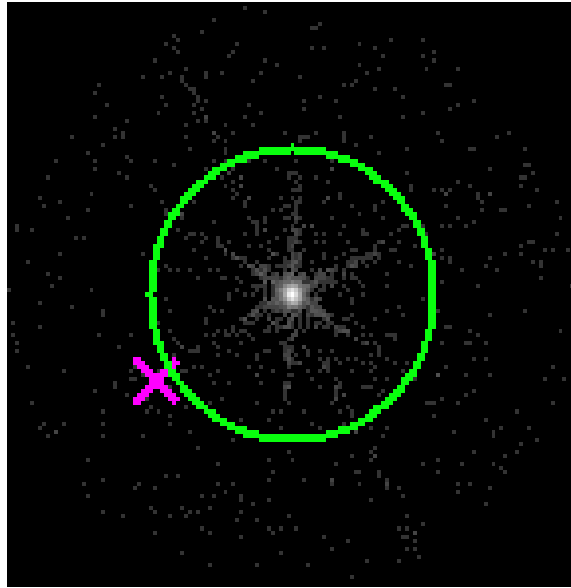


2.5.3 Slot 2

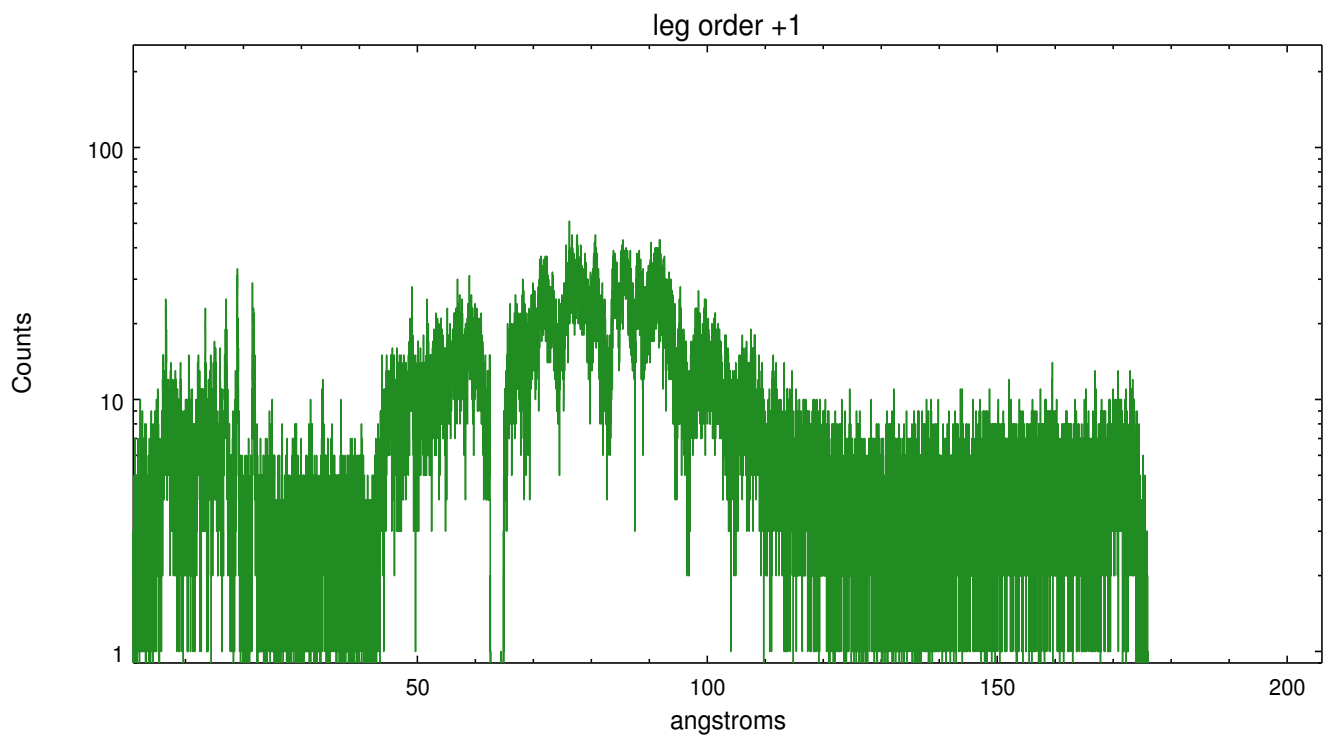
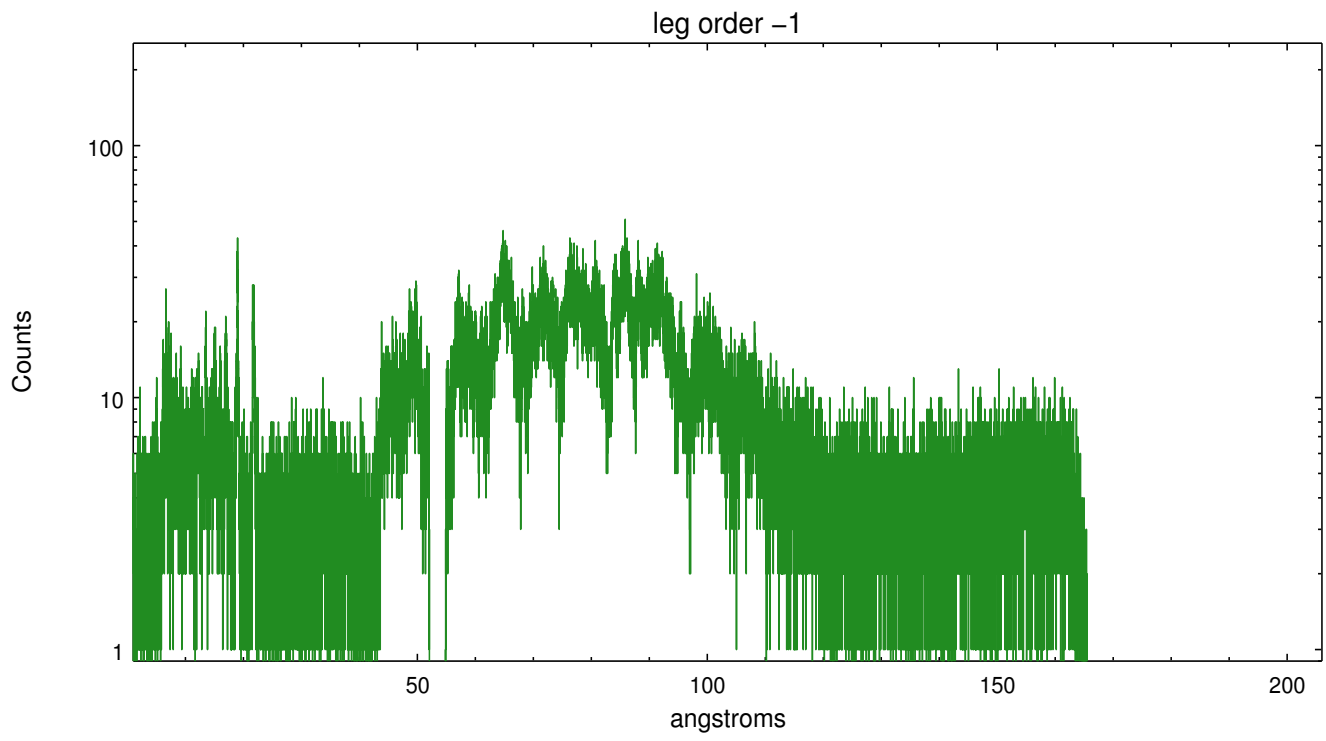


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.34

A.2 Comments