

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7249 - L2 Version 3
Chandra X-Ray Center

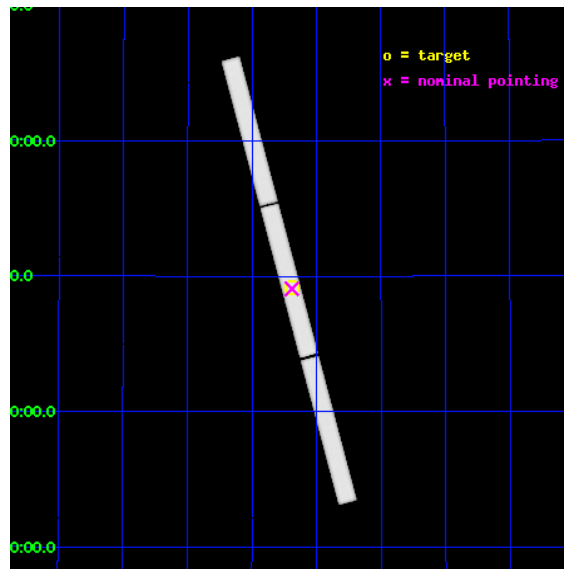
L2 Processing Date : Aug 11 2012

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

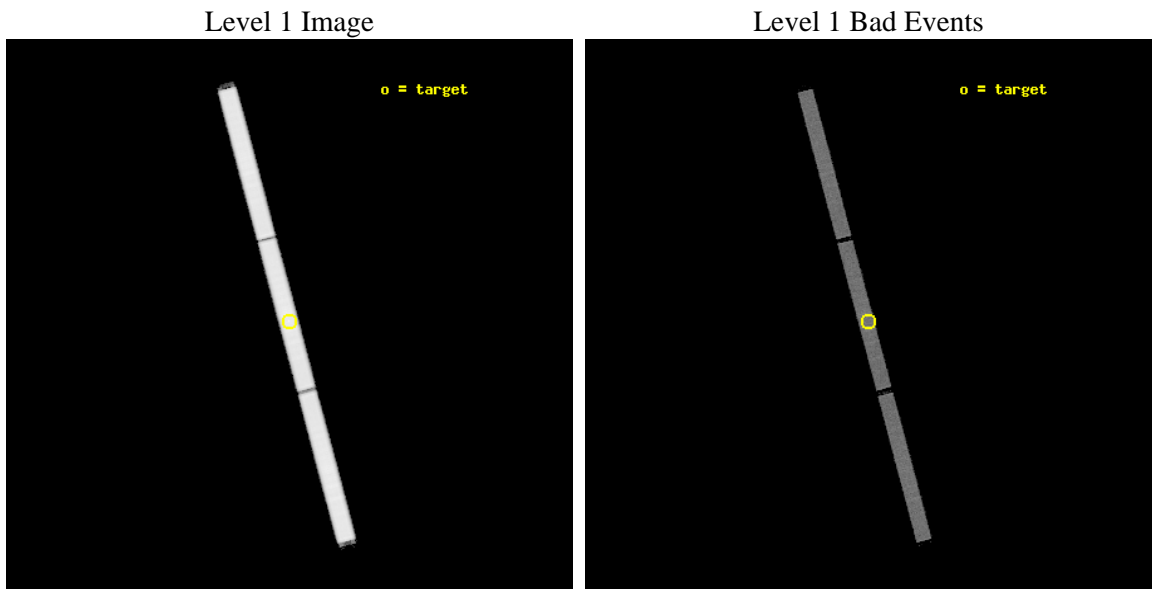
seq_num	300166	Sequence number
obs_id	7249	Observation id
title	High Resolution Spectroscopy of RX J0806.3+1527	Proposal title
observer	Dr. Tod Strohmayer	Principal investigator
object	RX J0806.3+1527	Source name
ra_targ	121.596667	Observer's specified target RA [deg]
dec_targ	15.458389	Observer's specified target Dec [deg]
ra_nom	121.59526932916	Nominal RA [deg]
dec_nom	15.453868340624	Nominal Dec [deg]
roll_nom	254.93733479713	Nominal Roll [deg]
revision	3	Processing version of data
ontime	39886.083112001	[s]
livetime	39539.46097971	Ontime multiplied by DTCOR
l2events	2833497	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	39700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39886.083112001	[s]
caldbver	4.5.1.1	 	l1events	4020295	Number of level 1 events
date	2012-08-11T07:26:23	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

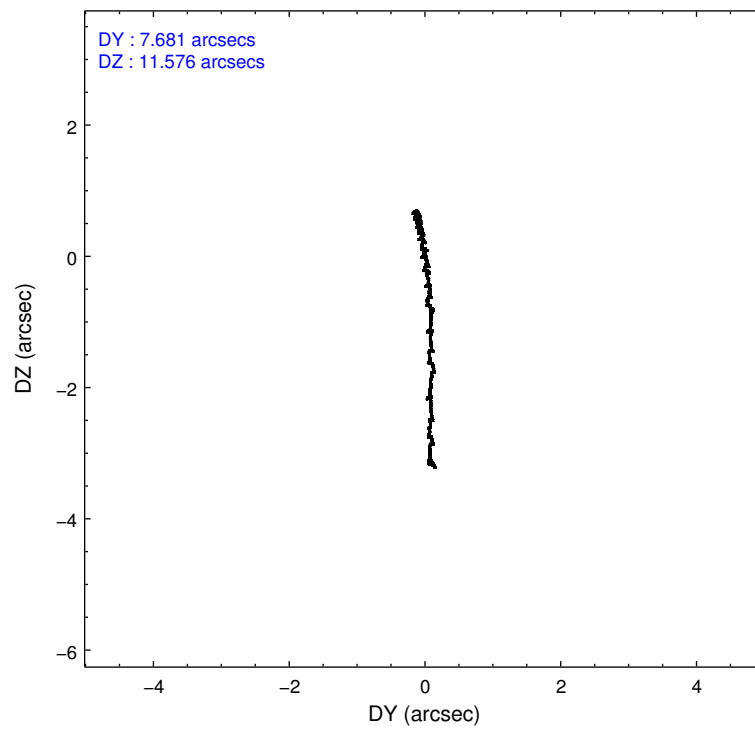
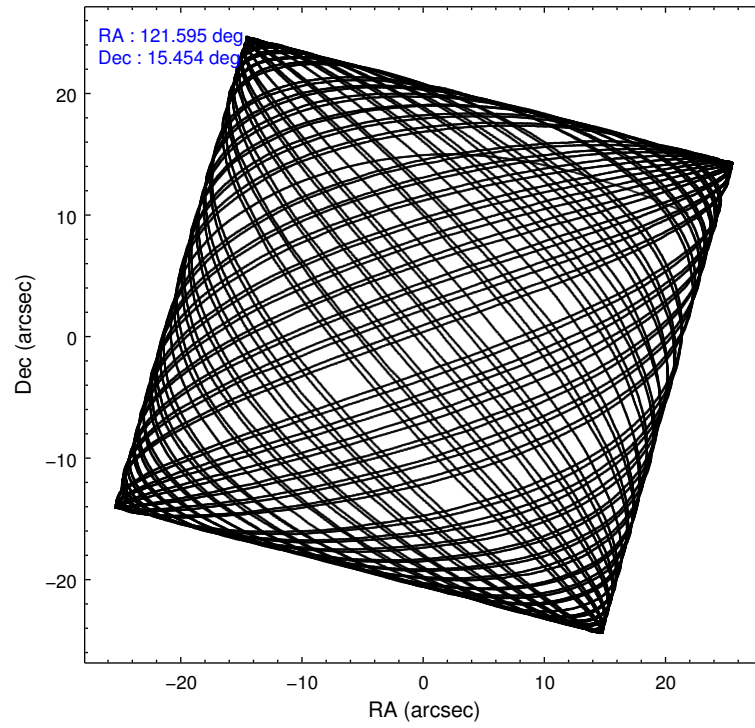
Level 1 Events

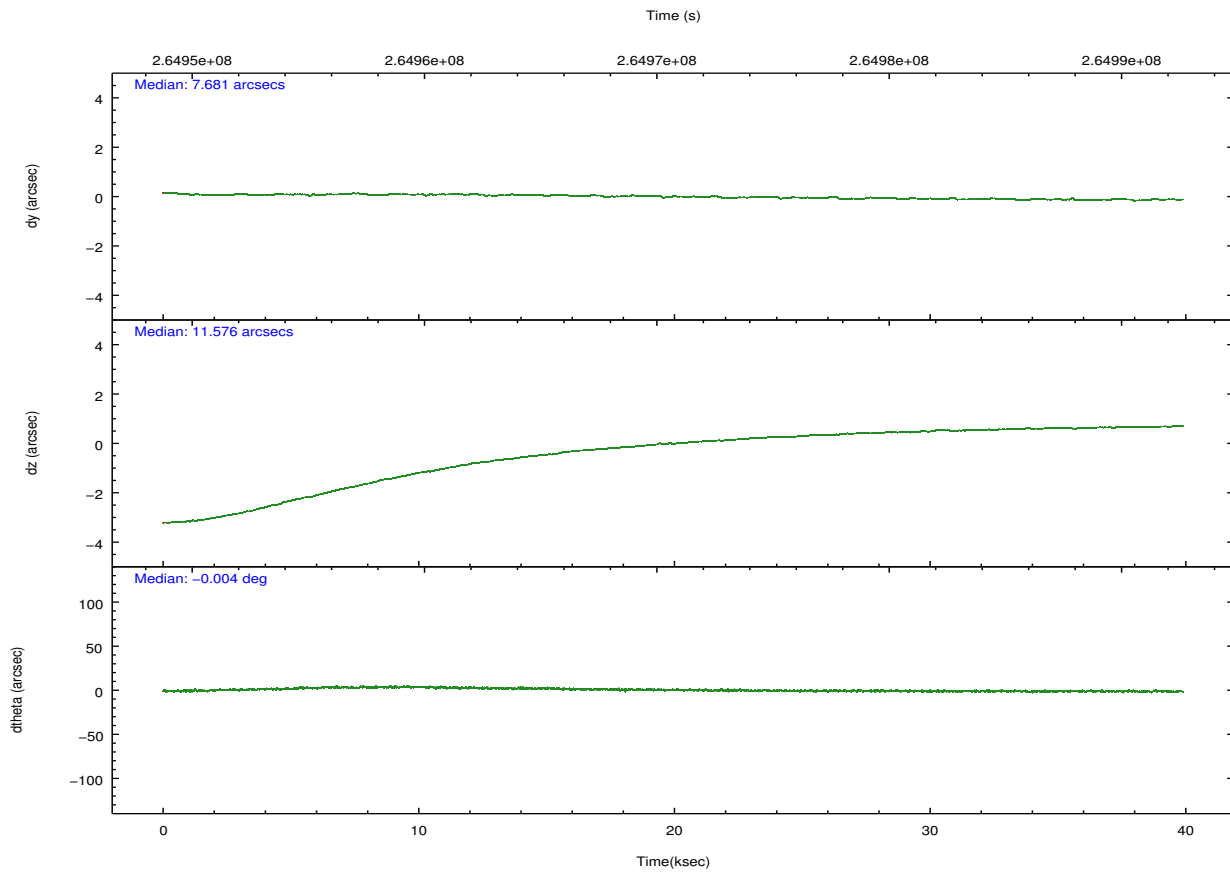
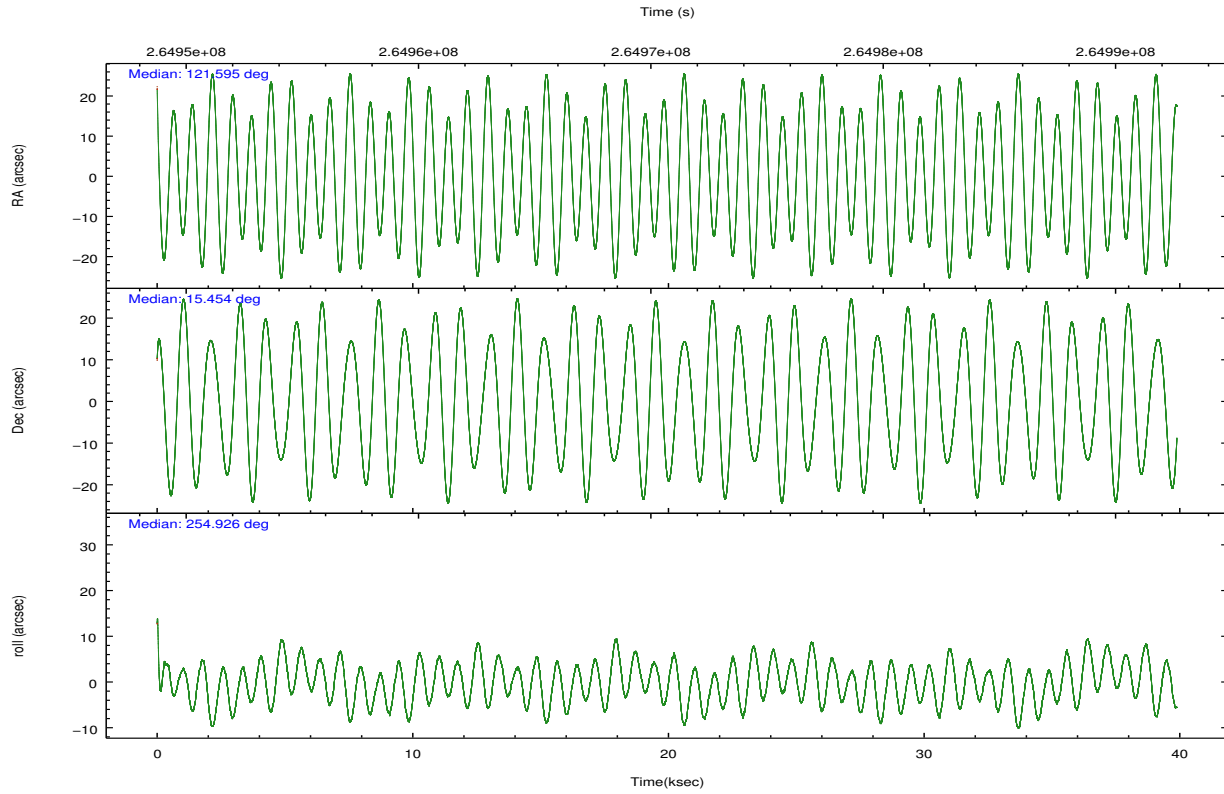
	segment 1	segment 2	segment 3
level 1 events	1344235	1324782	1351278
rejected events	75727	74341	76220
rejected %	5%	5%	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	121.586204	121.5952693291641			
[deg] Pointing Dec	15.481144	15.45386834062391			
[deg] Pointing Roll	254.872407	254.9373347971301			
[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)	264950941.184000	264949771.3593			
Observation start date	2006-05-25T13:27:56	2006-05-25T13:09:31			
[s] Observation end time (MET)	264990641.184000	264992038.26127			
Observation end date	2006-05-26T00:29:36	2006-05-26T00:53:58			

2.3 Aspect



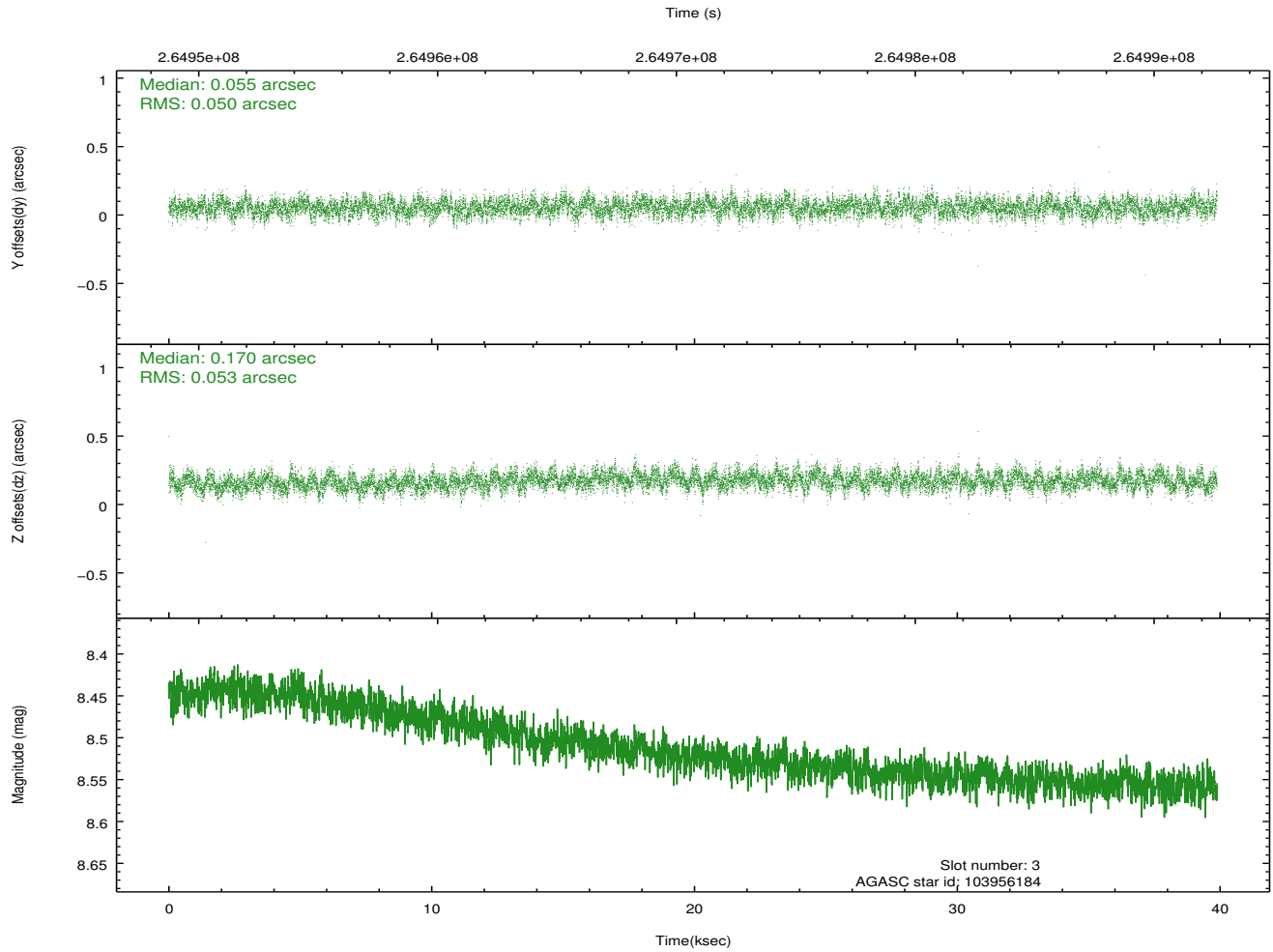
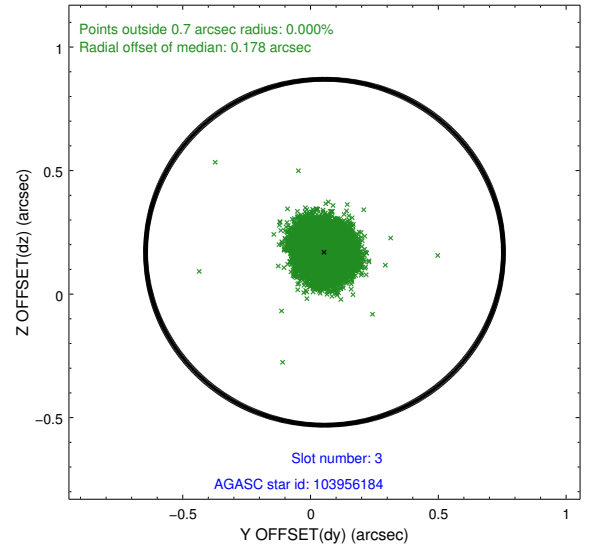
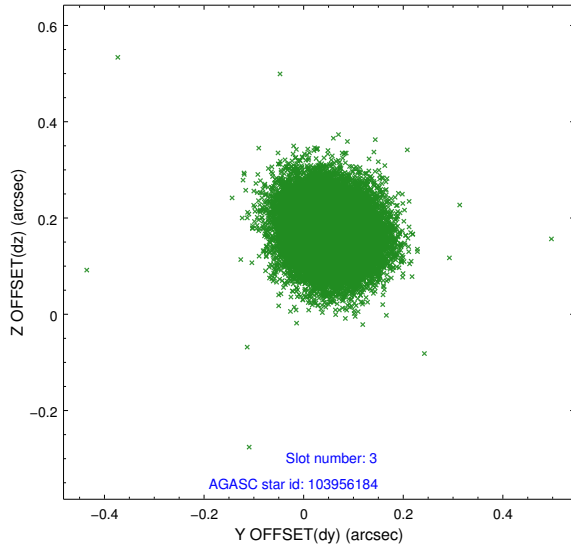


Slot Statistics

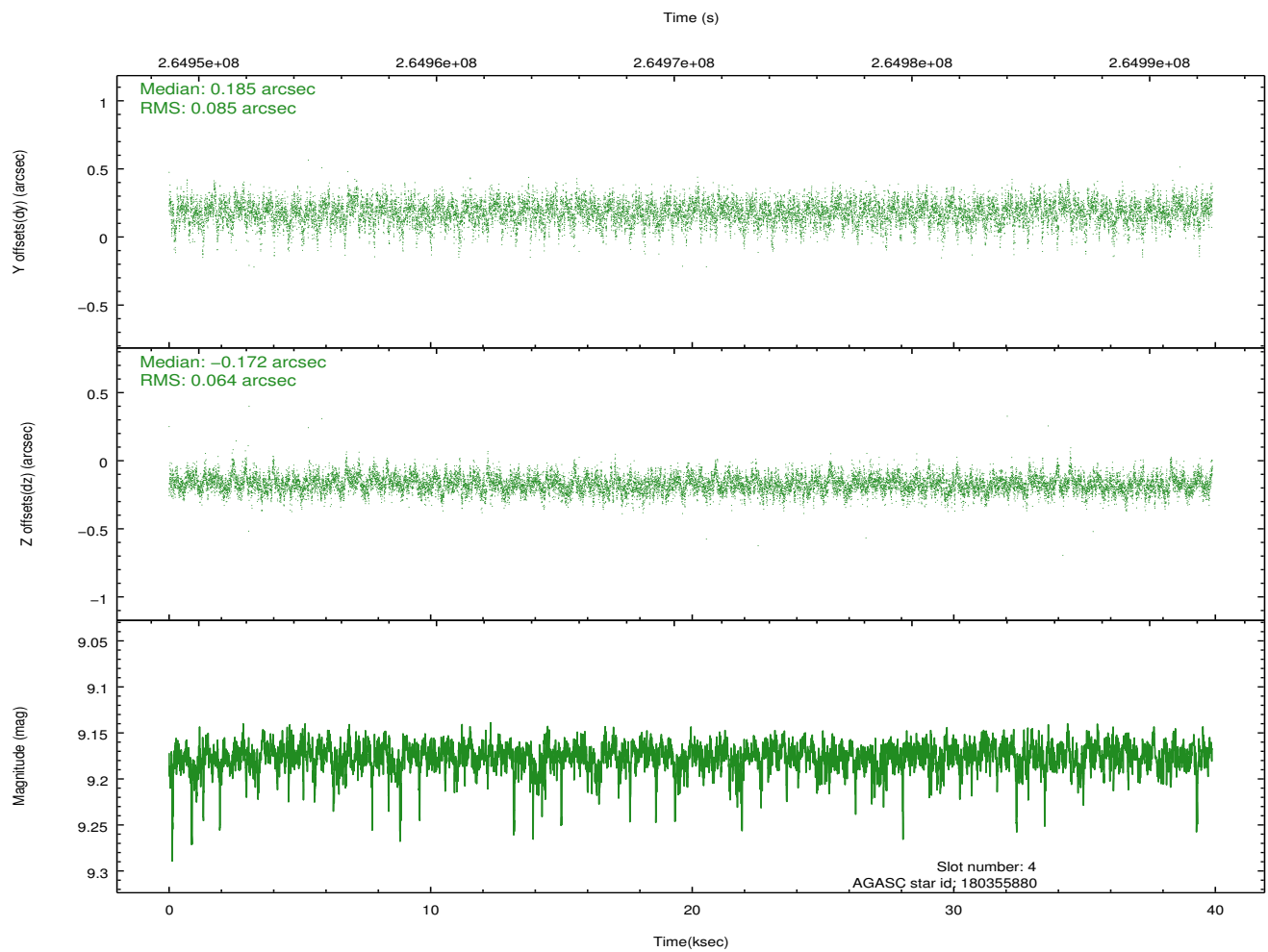
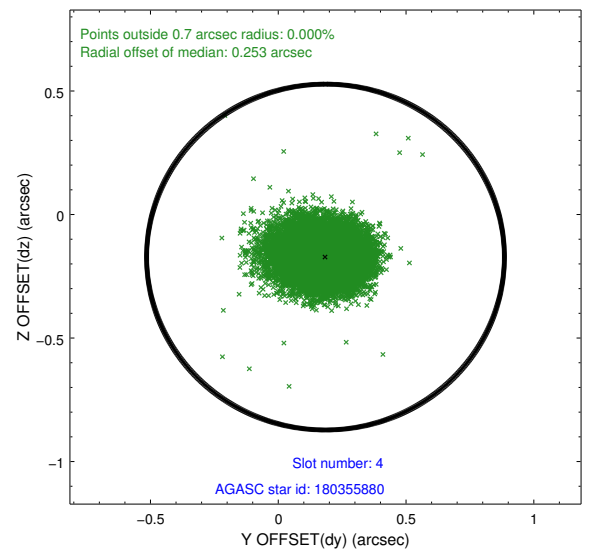
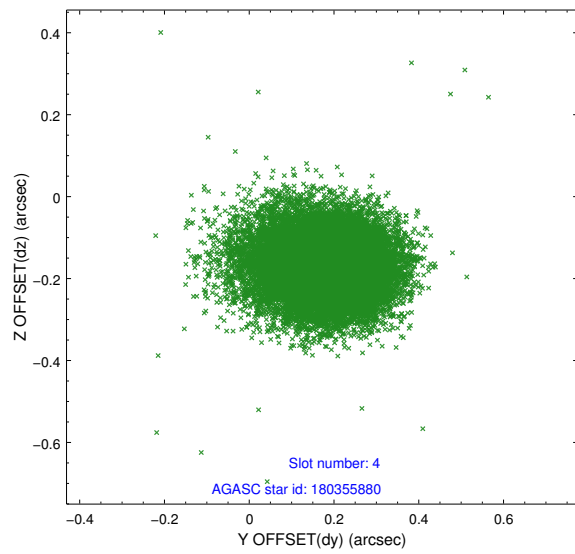
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	9729	0.121	-0.133	0.029	0.060	0.000000	0.000000	-1161.84	-459.80
1	FID	HRC-S-2	6.99	9729	0.177	-0.117	0.010	0.020	0.000000	0.000000	1237.77	-452.45
2	FID	HRC-S-3	7.01	9729	0.092	-0.053	0.031	0.061	0.000000	0.000000	-1164.47	569.78
3	GUIDE	103956184	8.52	19451	0.055	0.170	0.078	0.124	122.093586	14.853591	1718.17	2293.88
4	GUIDE	180355880	9.18	19421	0.185	-0.172	0.110	0.188	120.943434	15.103820	1892.03	-1802.73
5	GUIDE	180367288	9.19	19436	-0.034	0.013	0.087	0.142	121.370593	15.329853	721.13	-580.61
6	GUIDE	180367416	9.13	19439	-0.116	-0.077	0.095	0.155	120.920648	15.525818	444.40	-2271.48
7	GUIDE	180372496	7.92	19453	-0.087	0.062	0.062	0.101	121.745221	15.155380	987.84	839.72

2.4 Star Slots

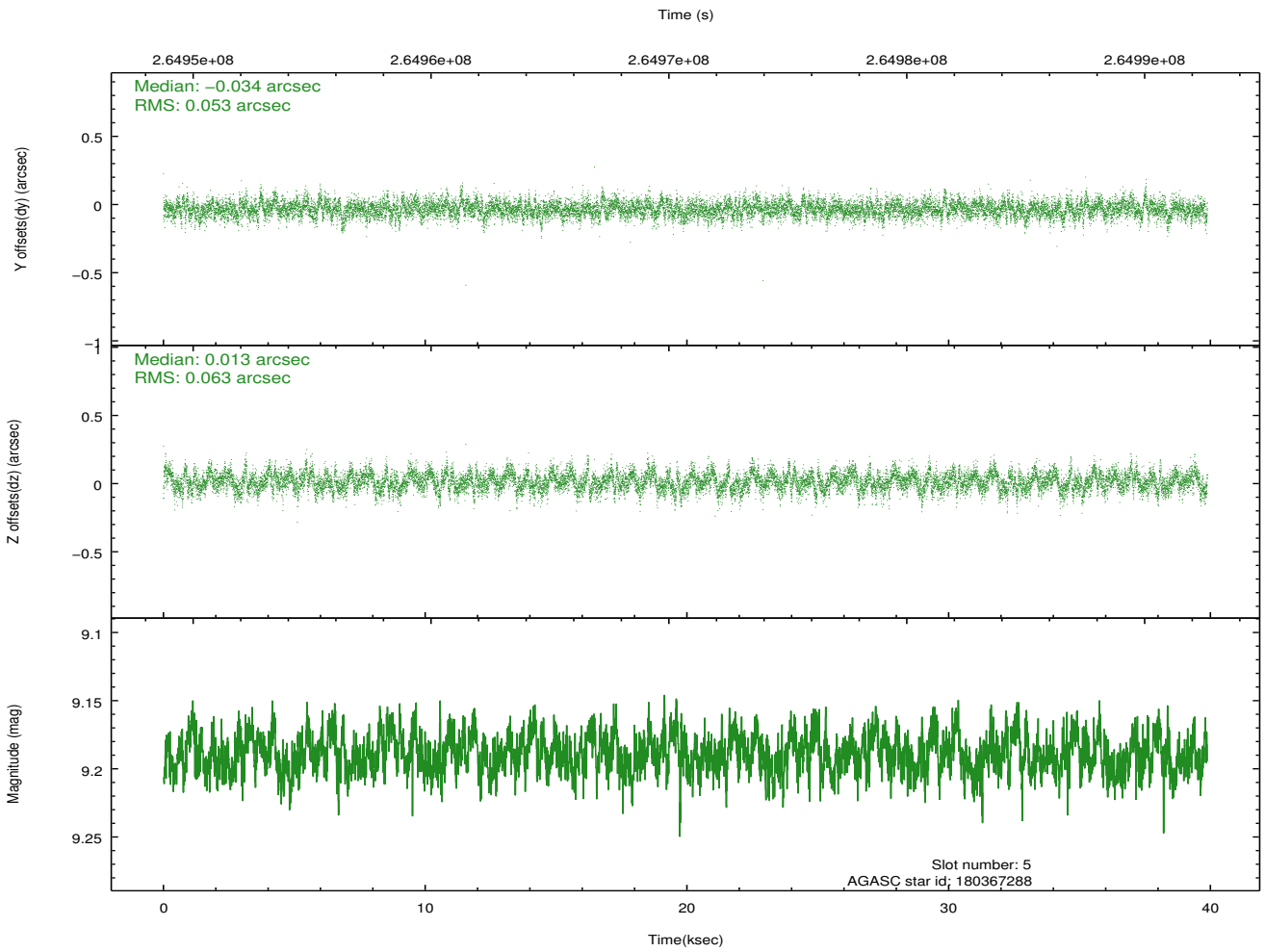
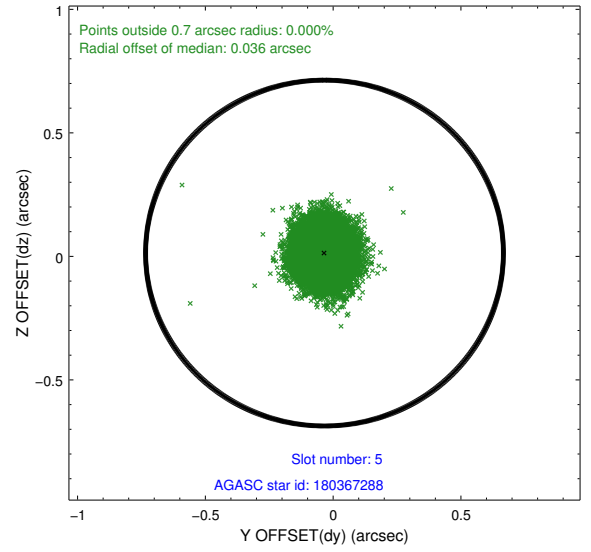
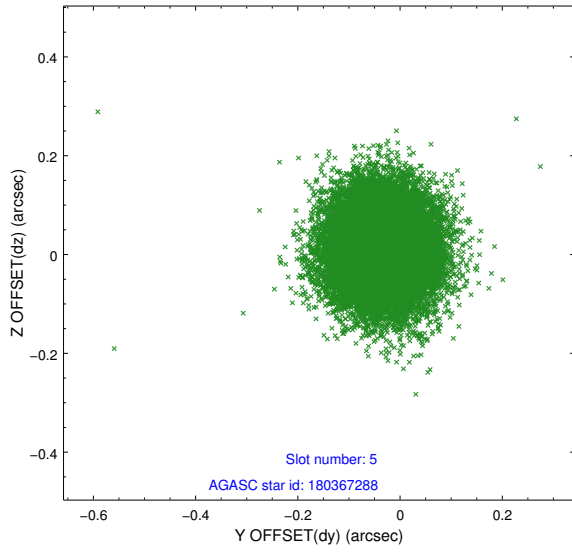
2.4.1 Slot 3



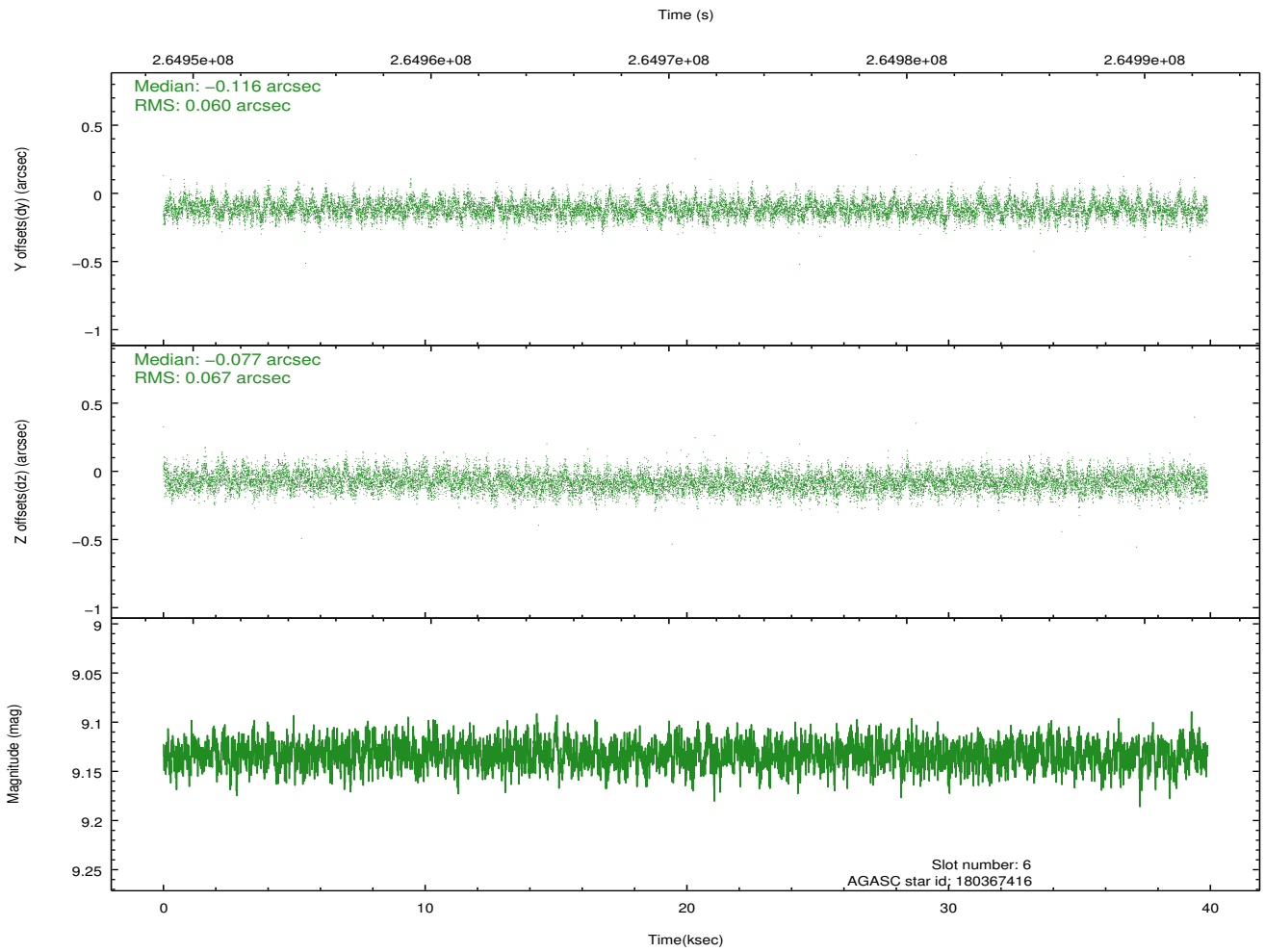
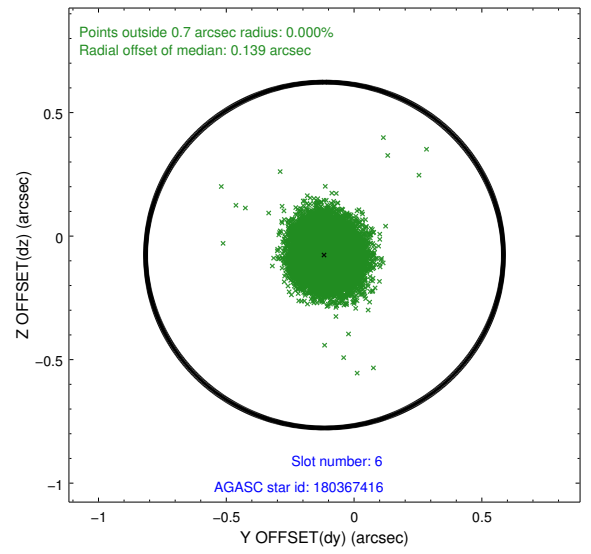
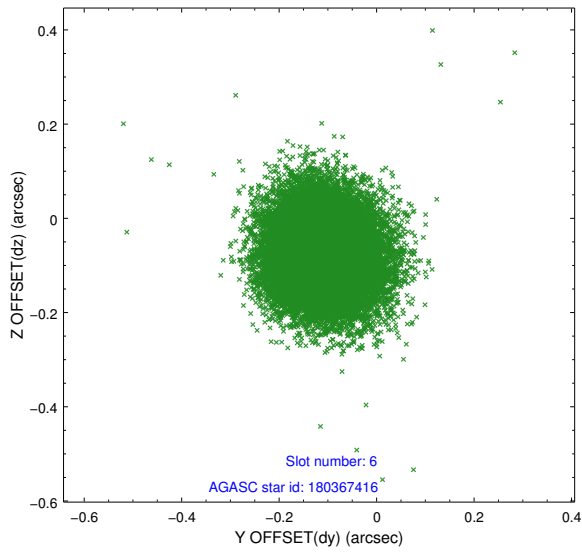
2.4.2 Slot 4



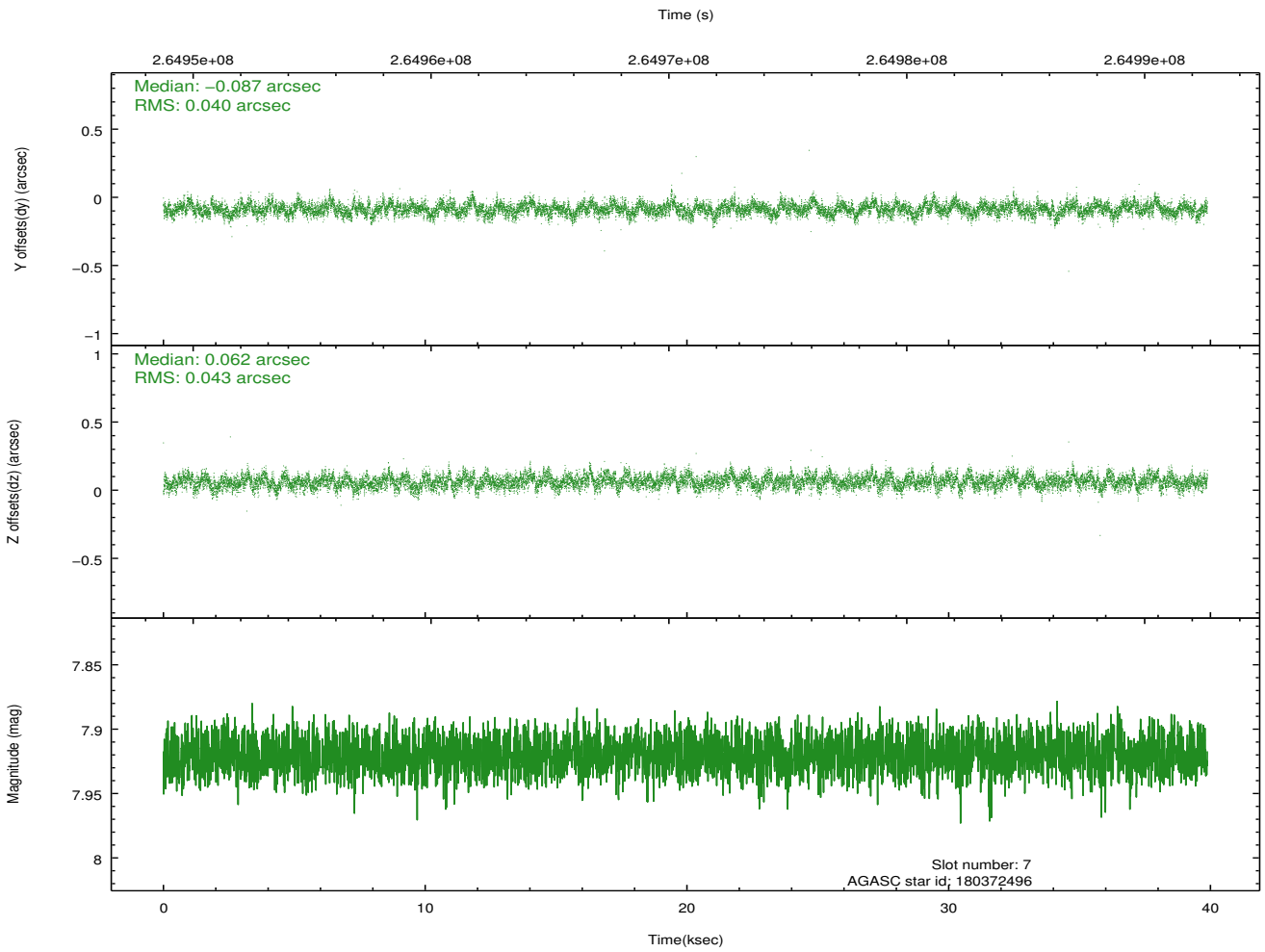
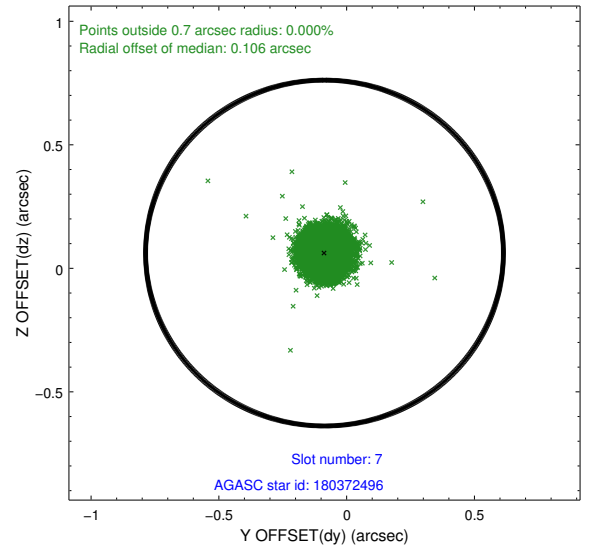
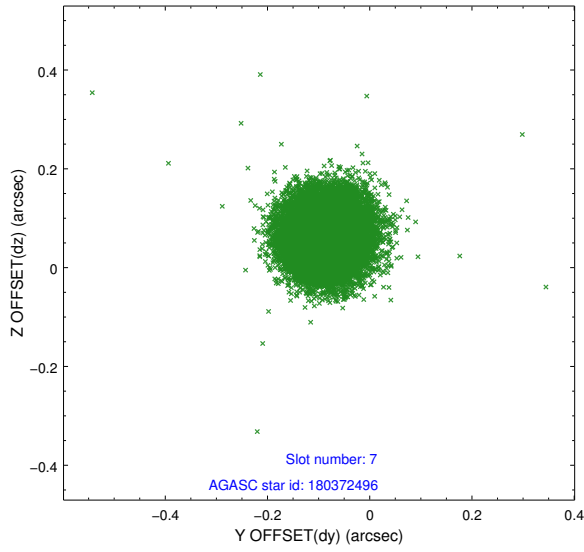
2.4.3 Slot 5



2.4.4 Slot 6

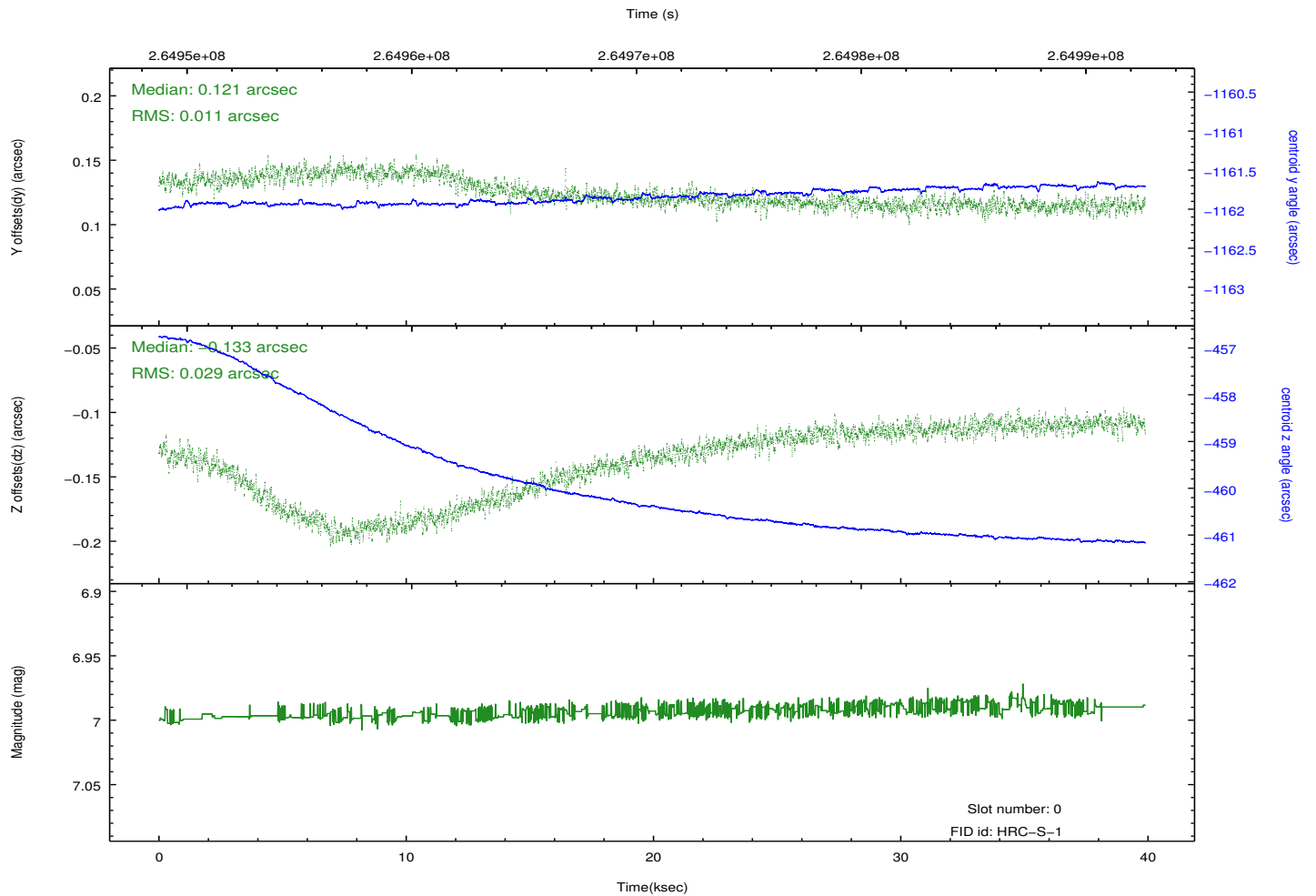
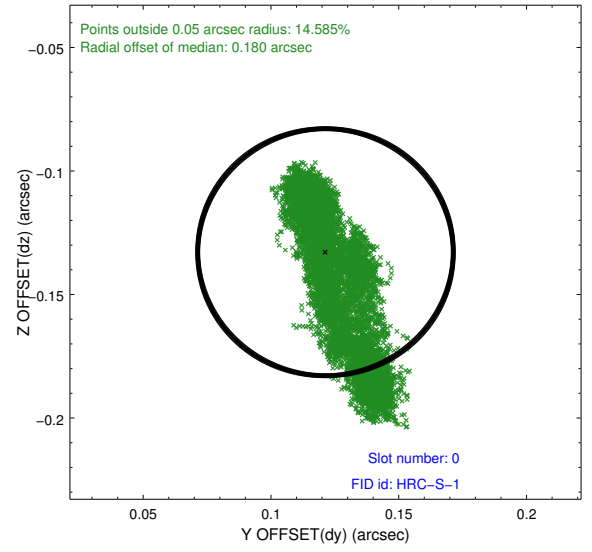
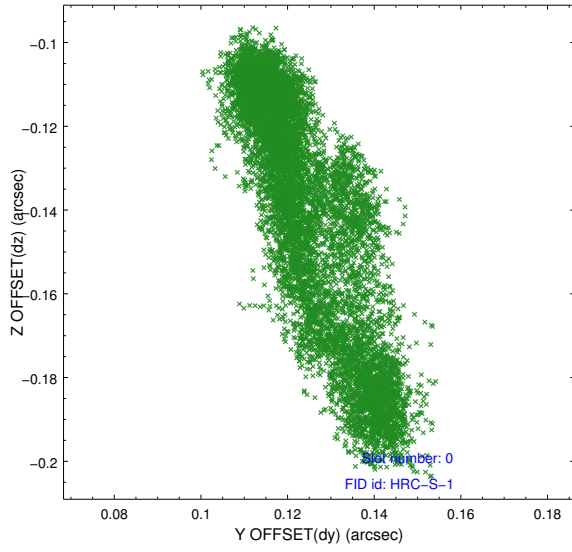


2.4.5 Slot 7

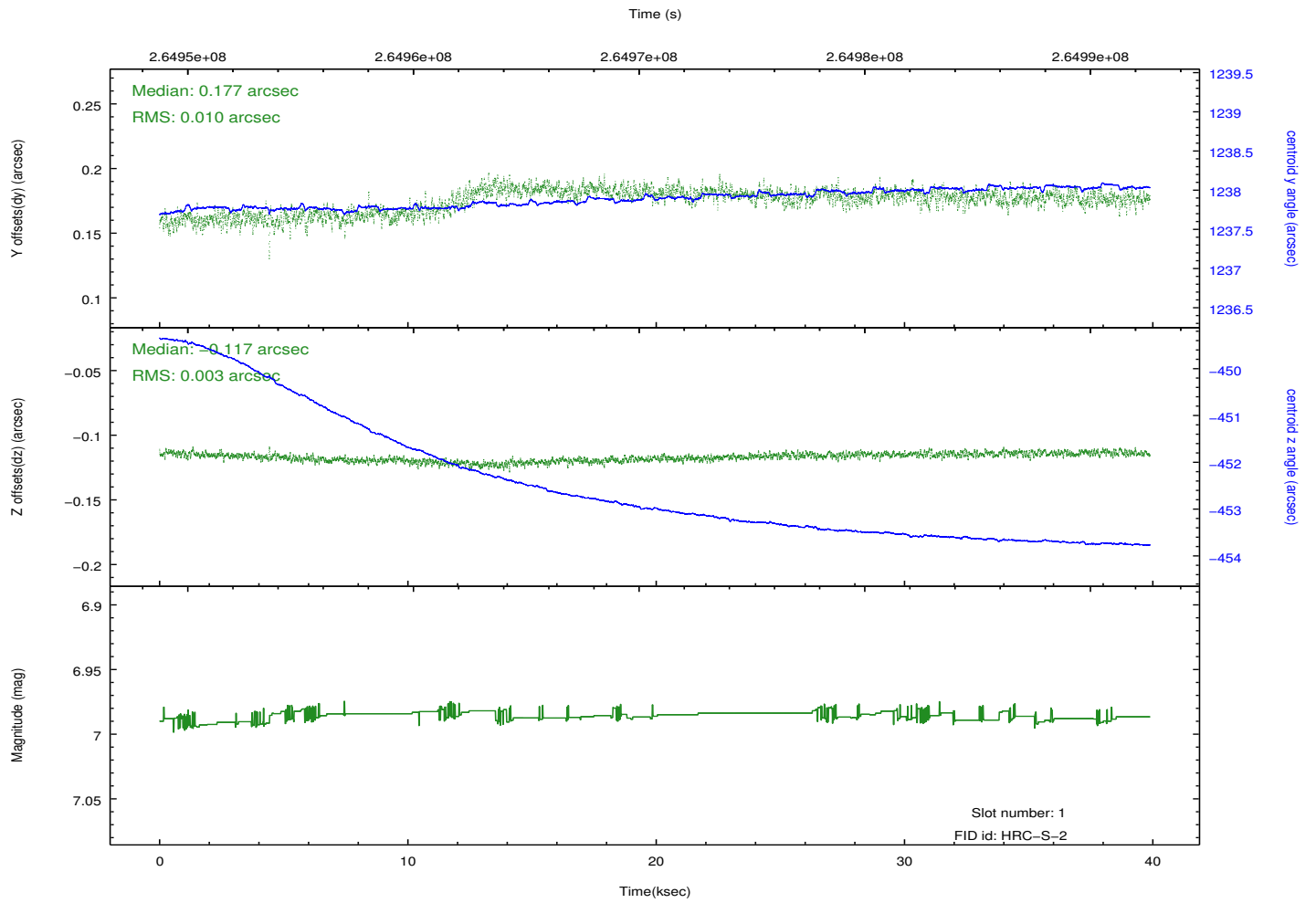
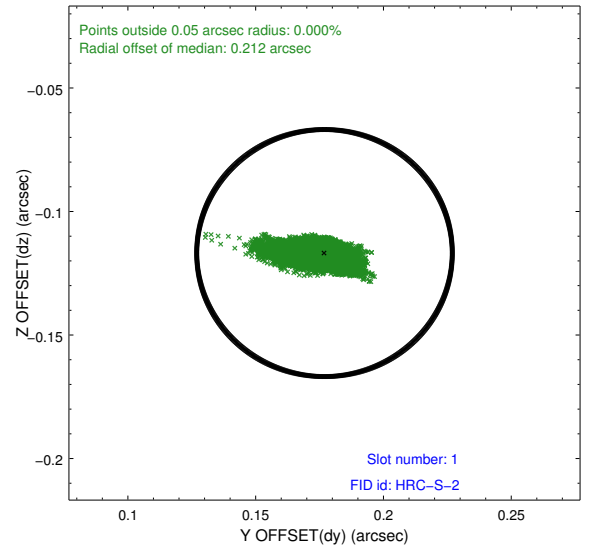
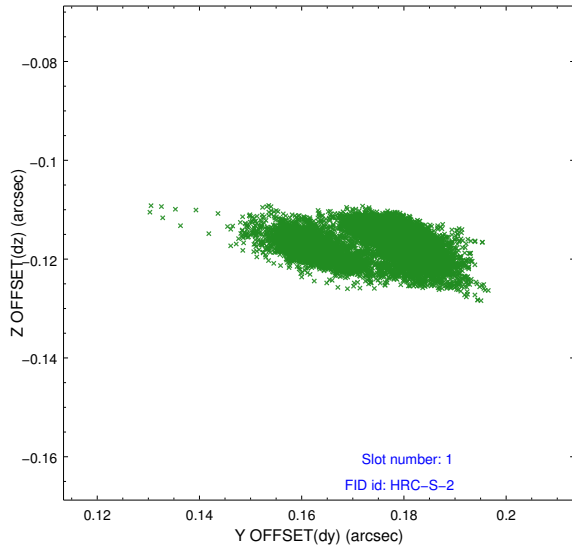


2.5 FID Slots

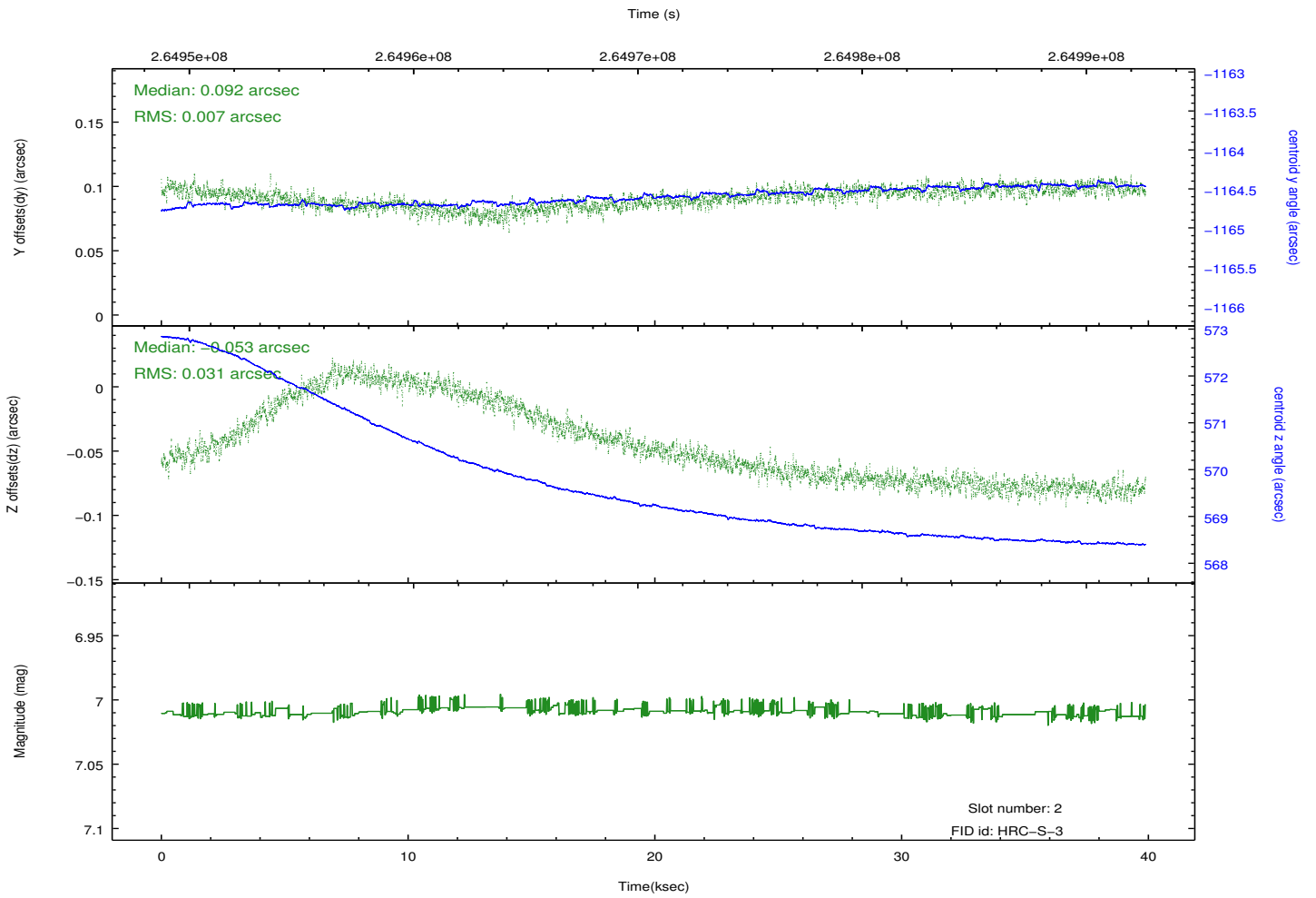
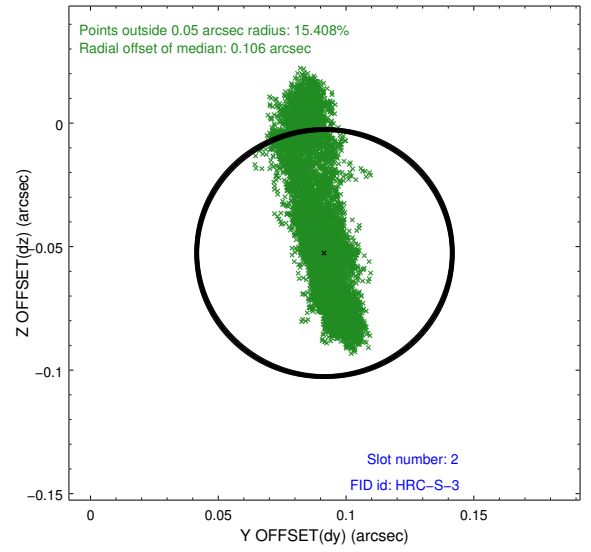
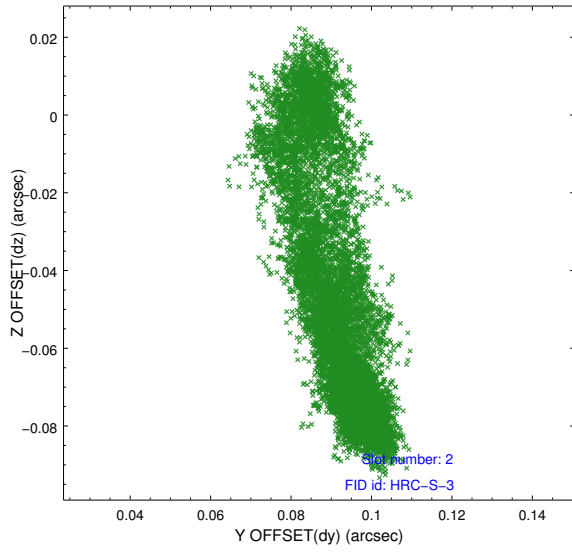
2.5.1 Slot 0



2.5.2 Slot 1

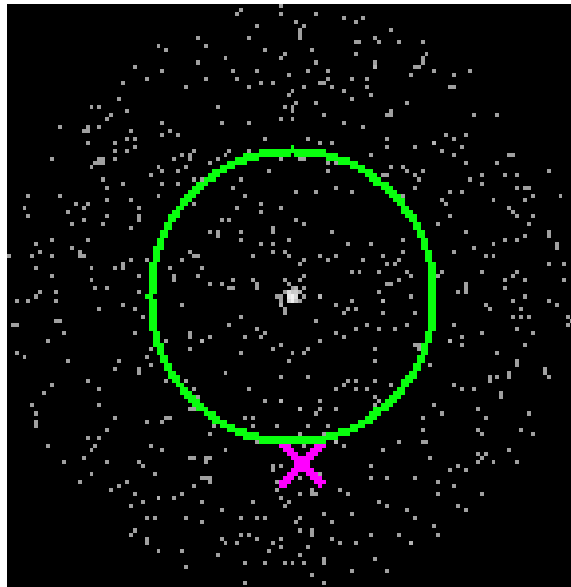


2.5.3 Slot 2

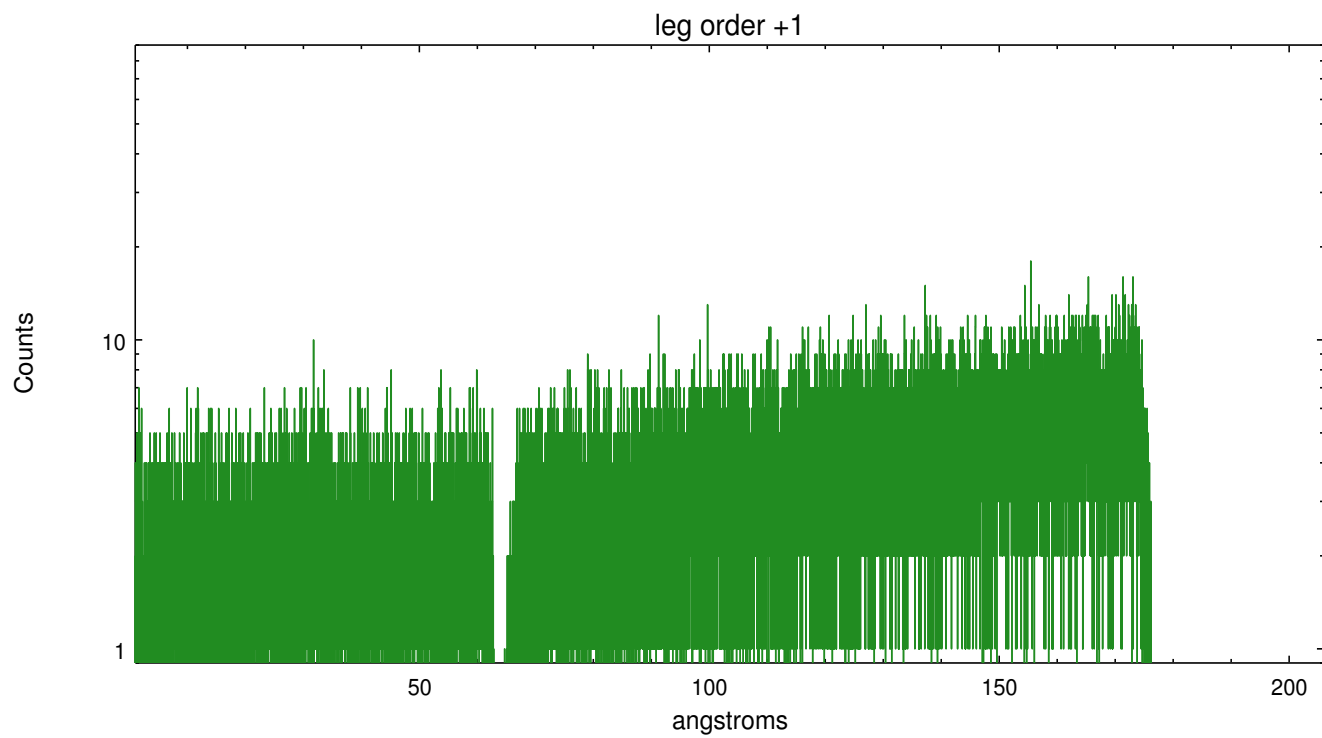
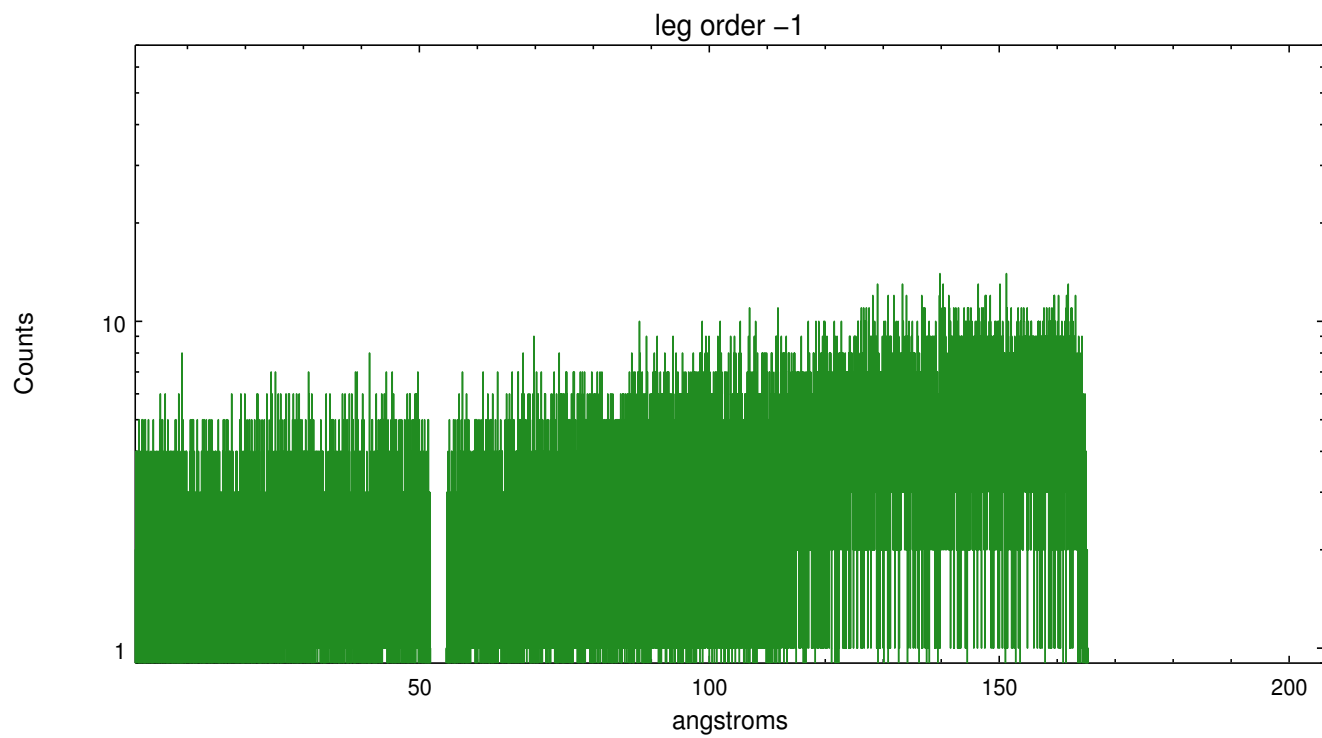


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.8860831

A.2 Comments