

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5958 - L2 Version 4
Chandra X-Ray Center

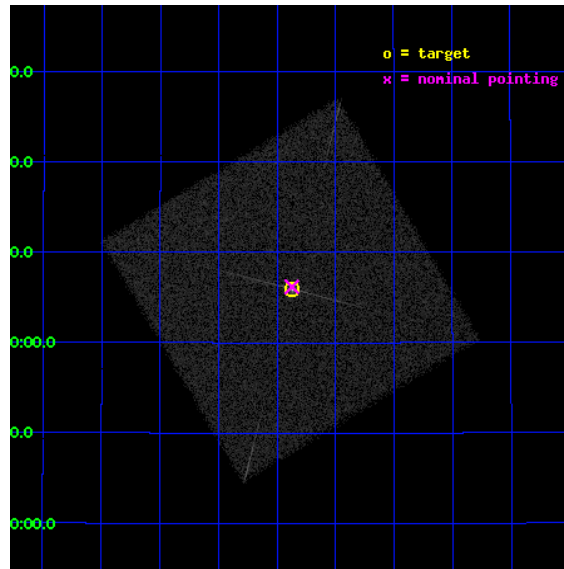
L2 Processing Date : Dec 17 2012

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

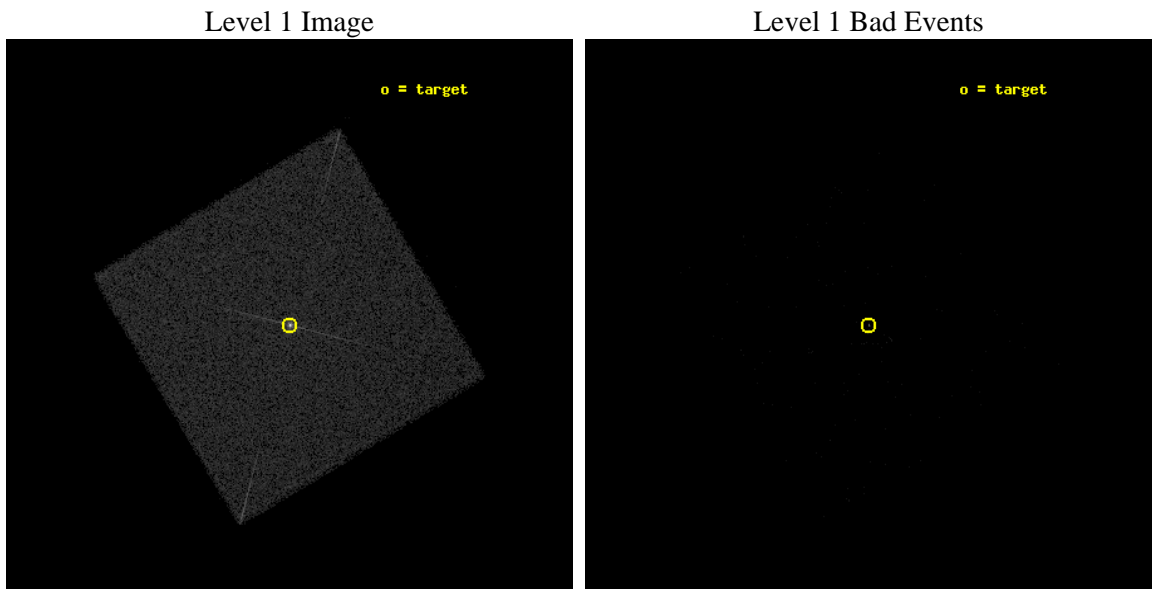
seq_num	290450	Sequence number
obs_id	5958	Observation id
title	AO6 Calibration Observations of HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.09304632943	Nominal RA [deg]
dec_nom	29.10320968017	Nominal Dec [deg]
roll_nom	104.19046959683	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2180.1750986874	[s]
livetime	2165.5740365832	Ontime multiplied by DTCOR
l2events	83105	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	2180.1750986874	[s]
caldbver	4.5.5	 	l1events	152970	Number of level 1 events
date	2012-12-17T16:36:36	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

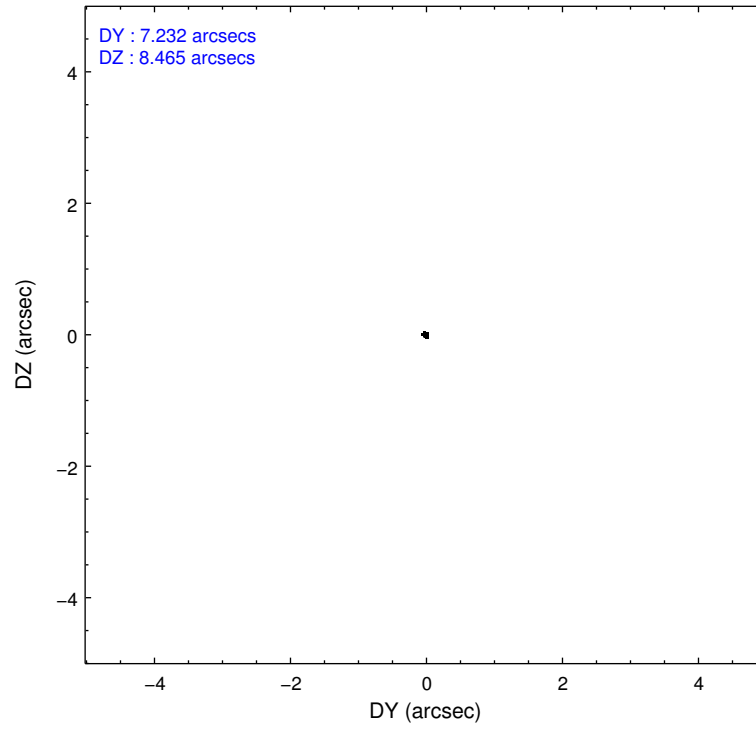
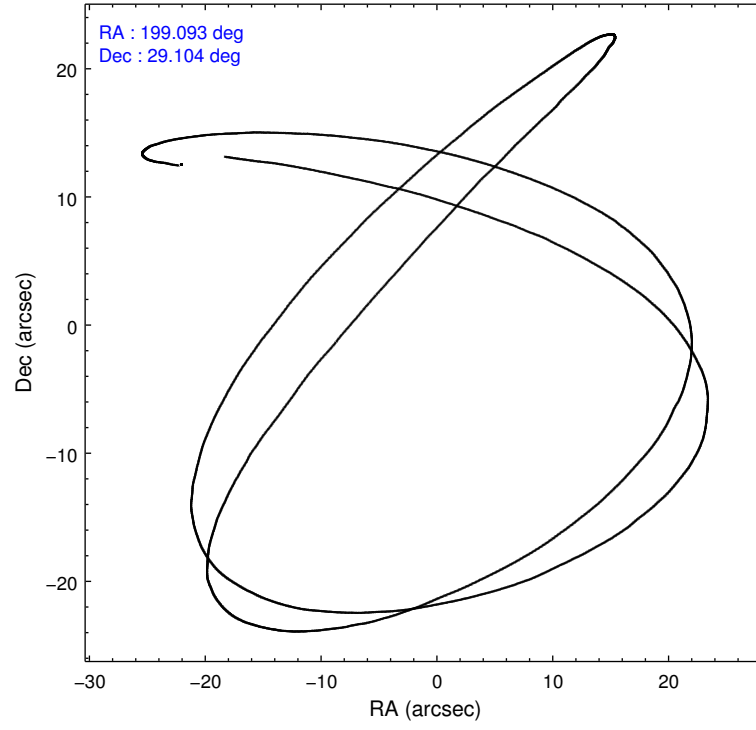
Level 1 Events

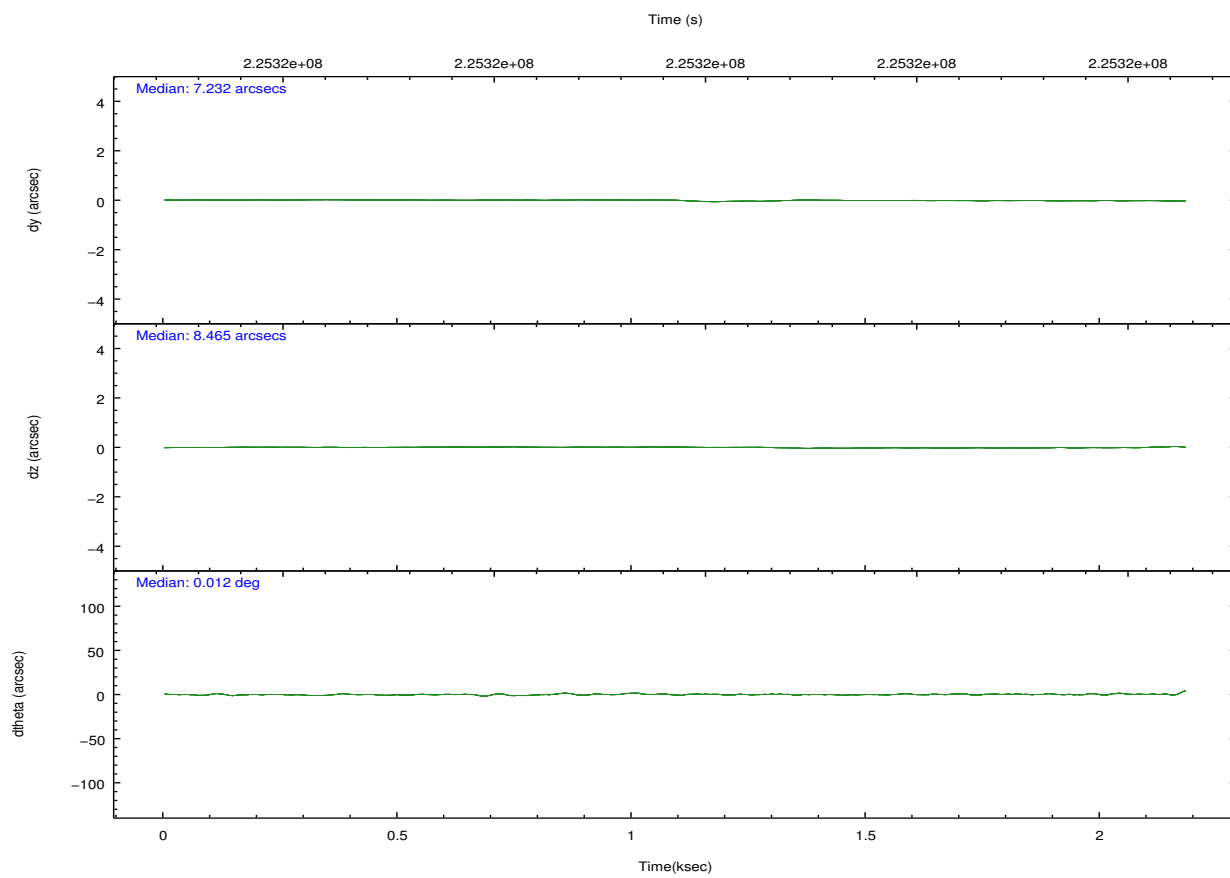
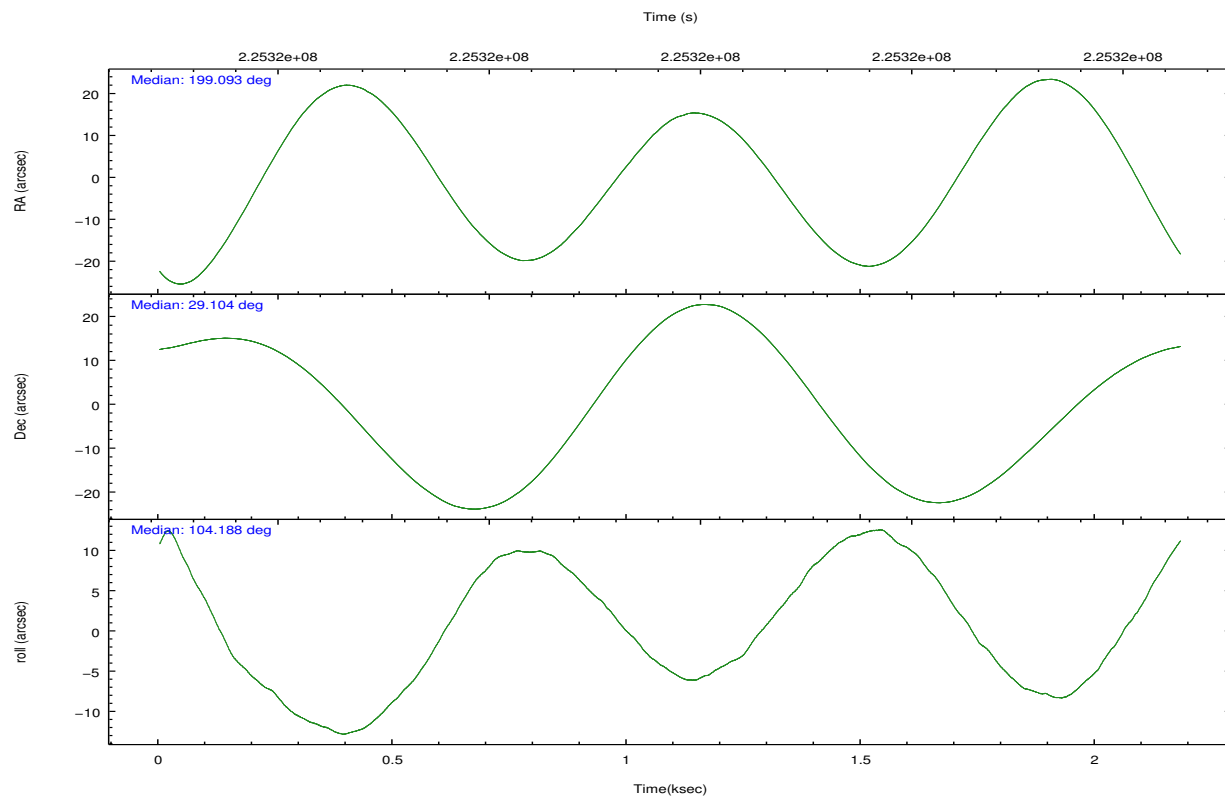
	segment 0
level 1 events	152970
rejected events	33385
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	199.114913	199.0930463294329			
[deg] Pointing Dec	29.084133	29.10320968017047			
[deg] Pointing Roll	104.275273	104.1904695968281			
[s] Window start time (MET)	218246464.184000	218246464.184000			
[s] Window stop time (MET)	225936064.184000	225936064.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	225321016.184000	225320246.81052			
Observation start date	2005-02-20T21:09:12	2005-02-20T20:57:26			
[s] Observation end time (MET)	225323016.184000	225323795.36068			
Observation end date	2005-02-20T21:42:32	2005-02-20T21:56:35			

2.3 Aspect



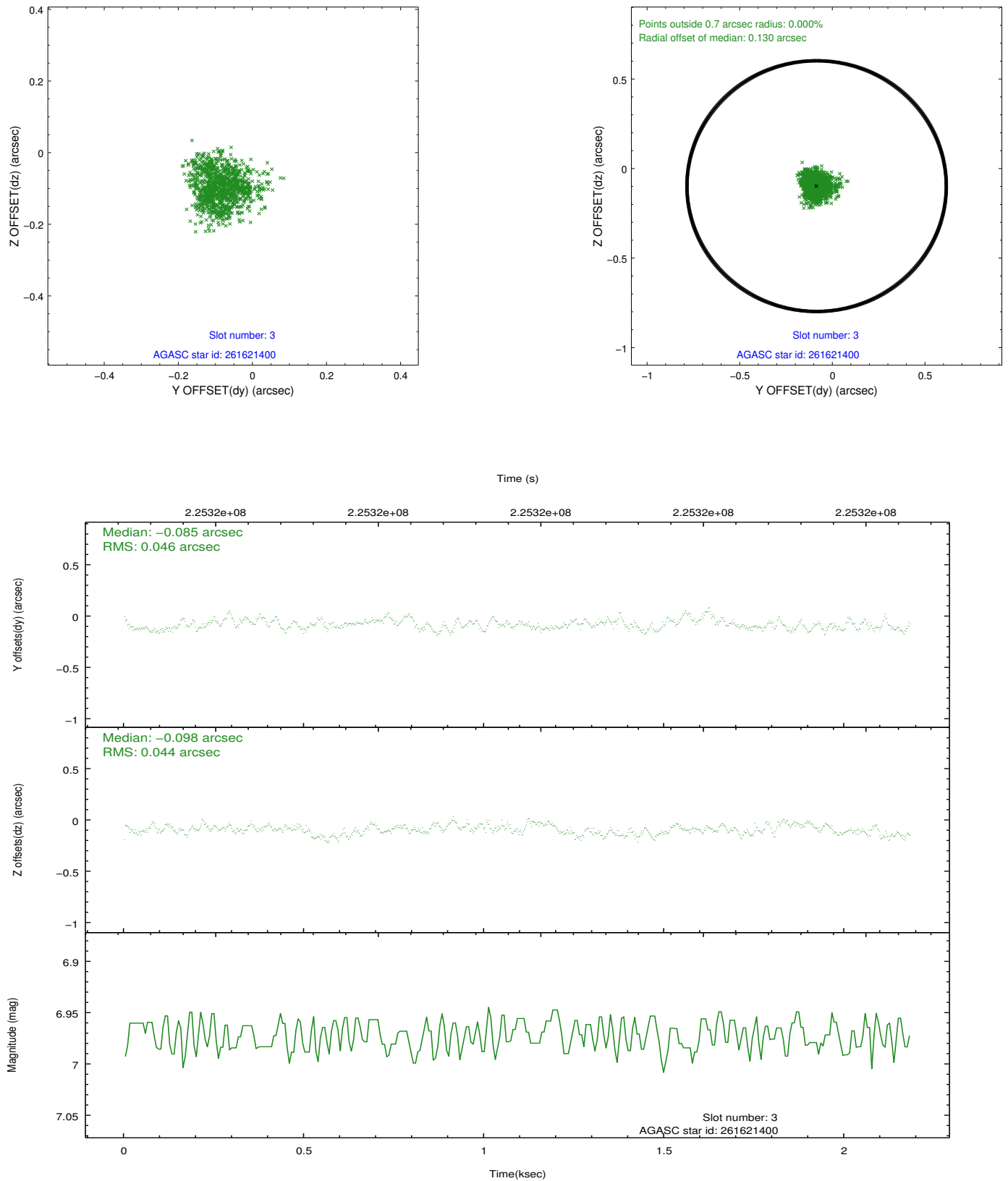


Slot Statistics

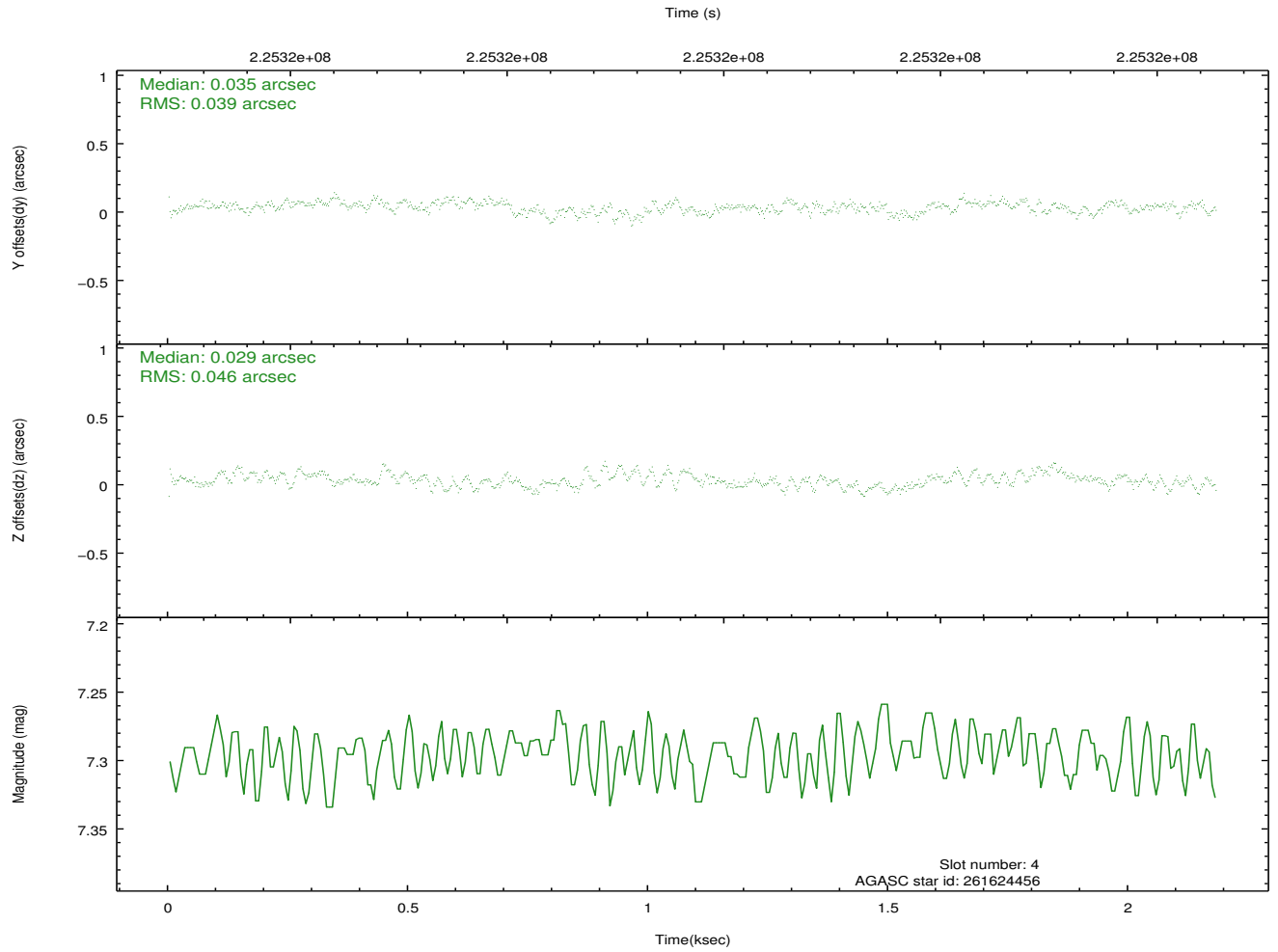
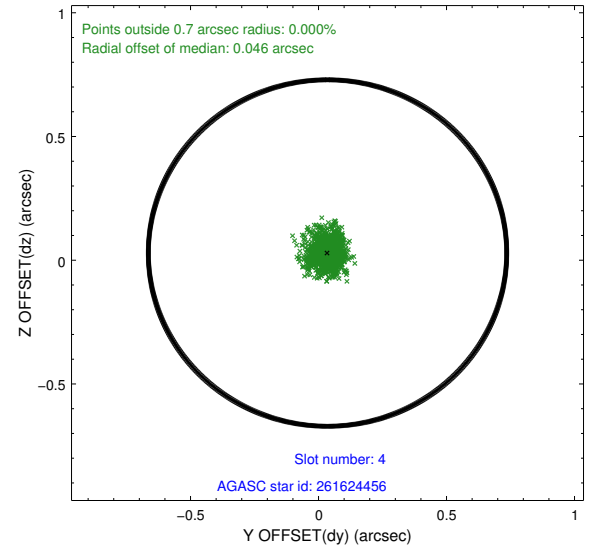
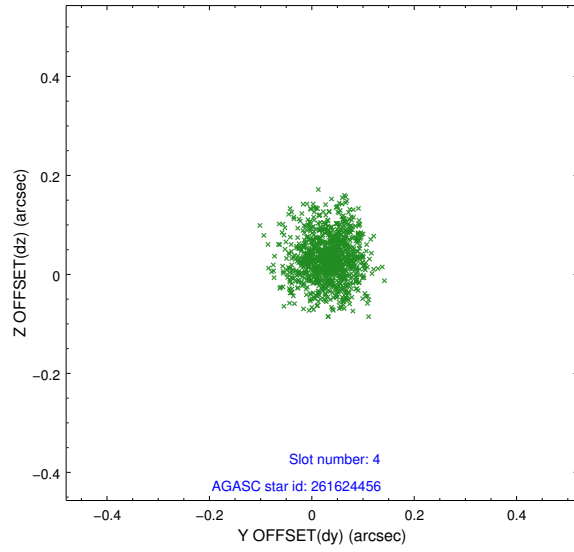
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	532	-0.015	-0.001	0.006	0.009	0.000000	0.000000	-762.92	-1296.35
1	FID	HRC-I-2	7.02	532	0.113	-0.078	0.008	0.012	0.000000	0.000000	848.40	-1300.54
2	FID	HRC-I-4	7.02	532	0.018	-0.013	0.006	0.011	0.000000	0.000000	1281.65	1003.22
3	GUIDE	261621400	6.97	1065	-0.085	-0.098	0.069	0.108	198.901600	28.741982	-1027.05	957.12
4	GUIDE	261624456	7.30	1065	0.035	0.029	0.065	0.108	199.758056	28.567828	-2297.51	-1511.74
5	GUIDE	261626376	9.71	1063	0.069	-0.086	0.140	0.223	198.947288	29.347445	1046.79	275.67
6	GUIDE	261629720	8.12	1065	0.033	0.190	0.070	0.113	199.236176	29.044452	-231.22	-333.26
7	GUIDE	261619776	8.80	1064	-0.046	-0.045	0.076	0.122	198.654383	29.401174	1464.56	1118.16

2.4 Star Slots

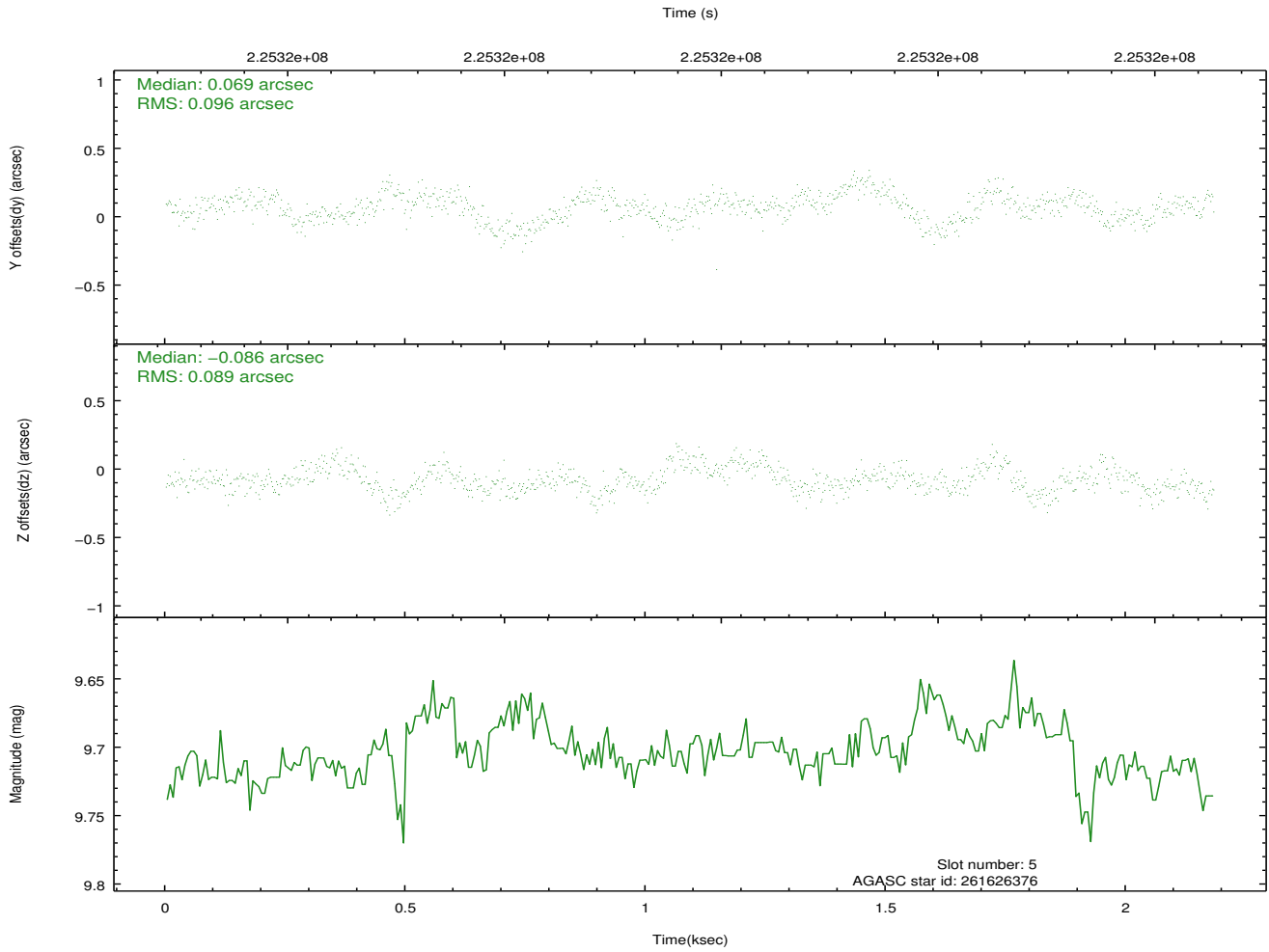
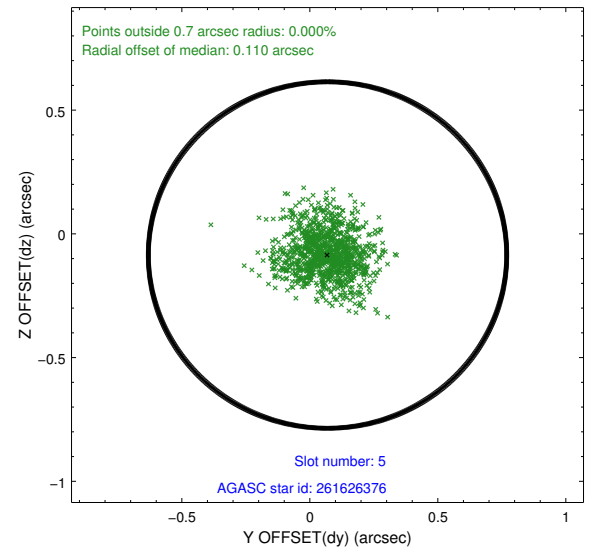
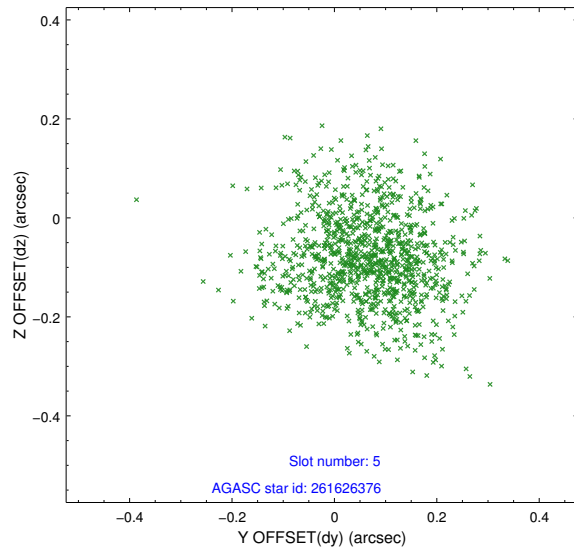
2.4.1 Slot 3



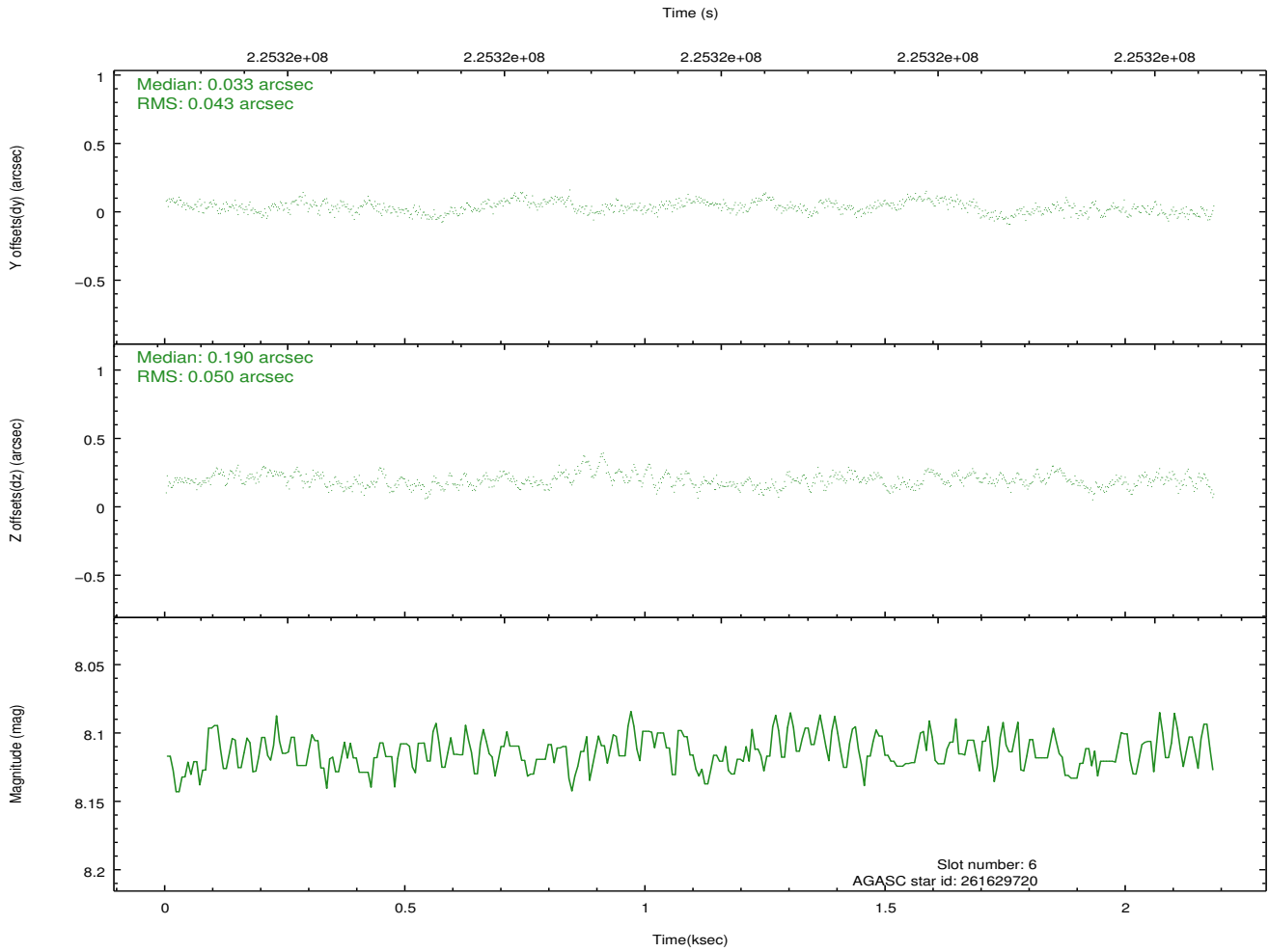
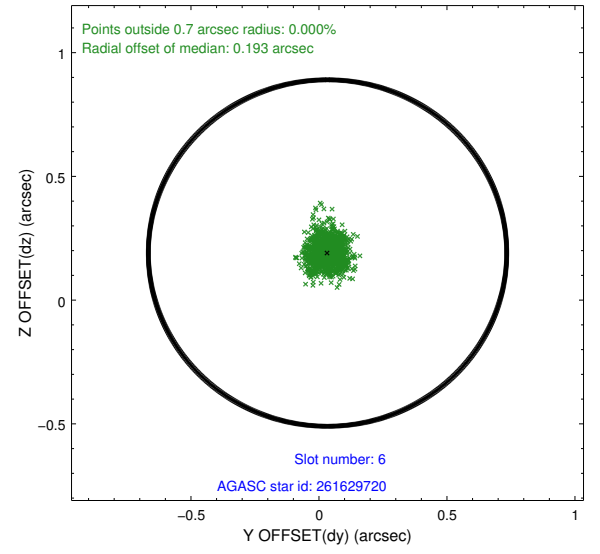
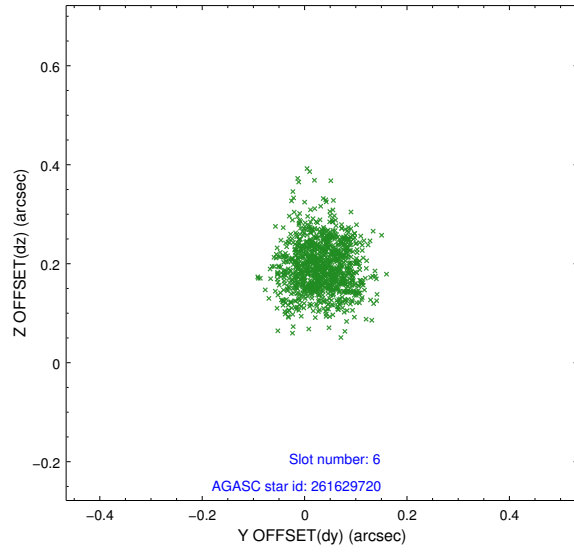
2.4.2 Slot 4



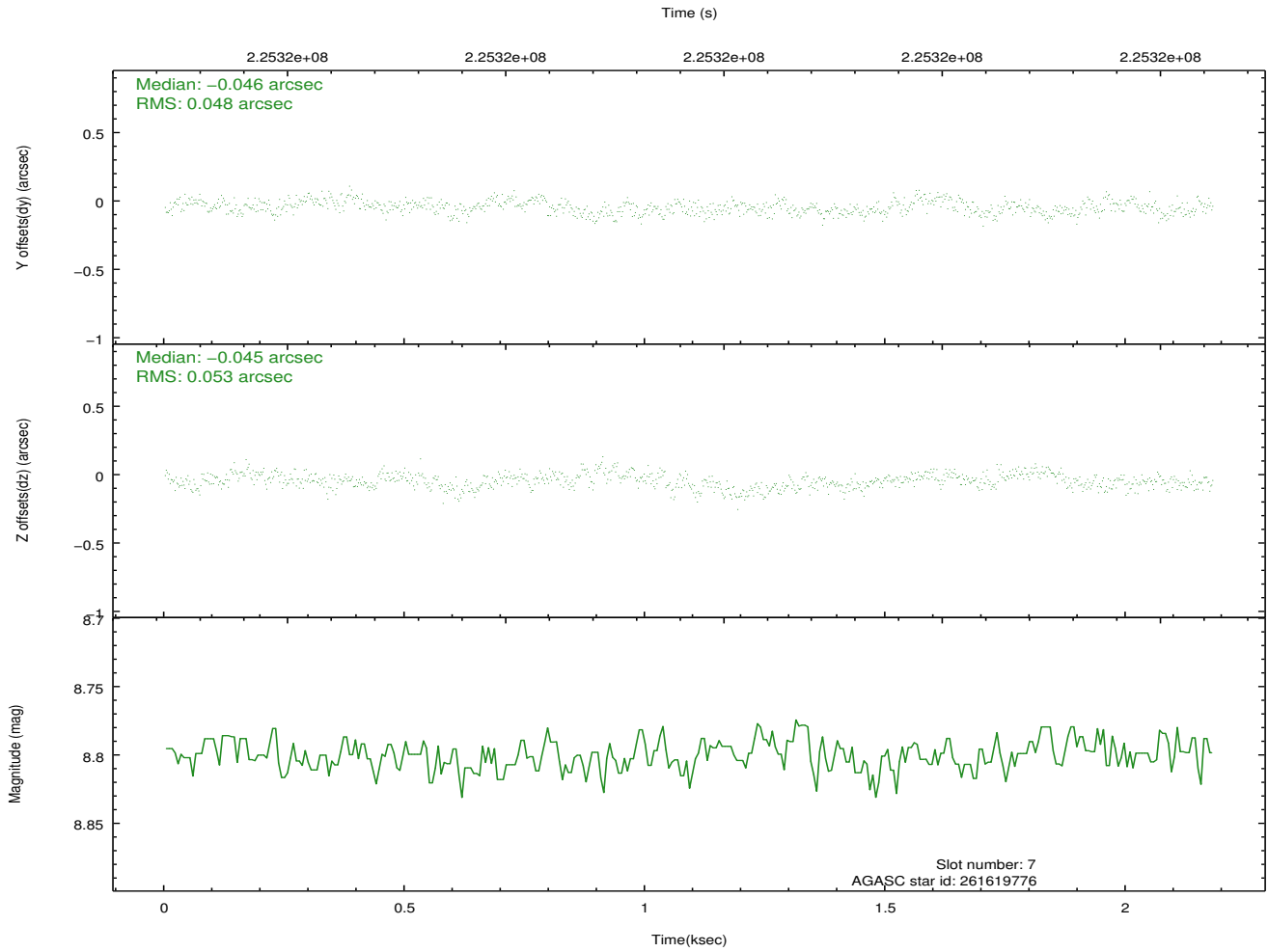
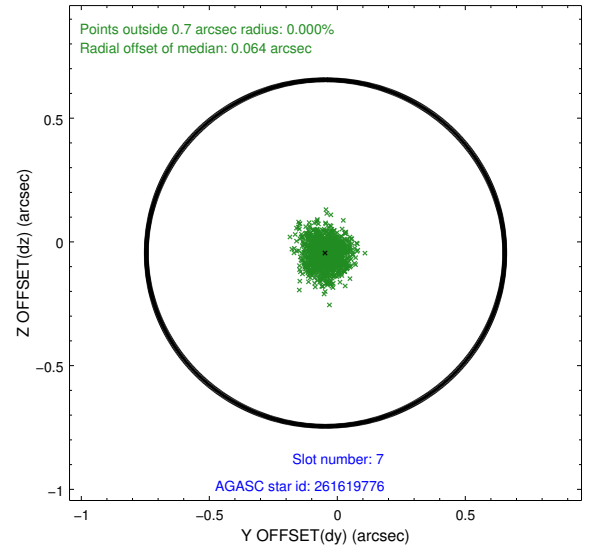
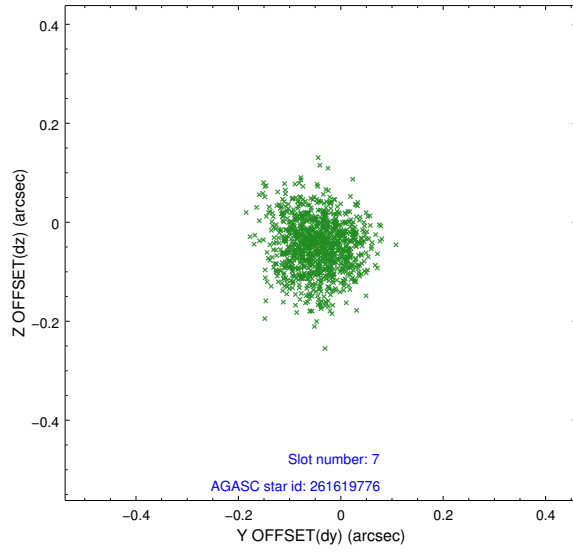
2.4.3 Slot 5



2.4.4 Slot 6

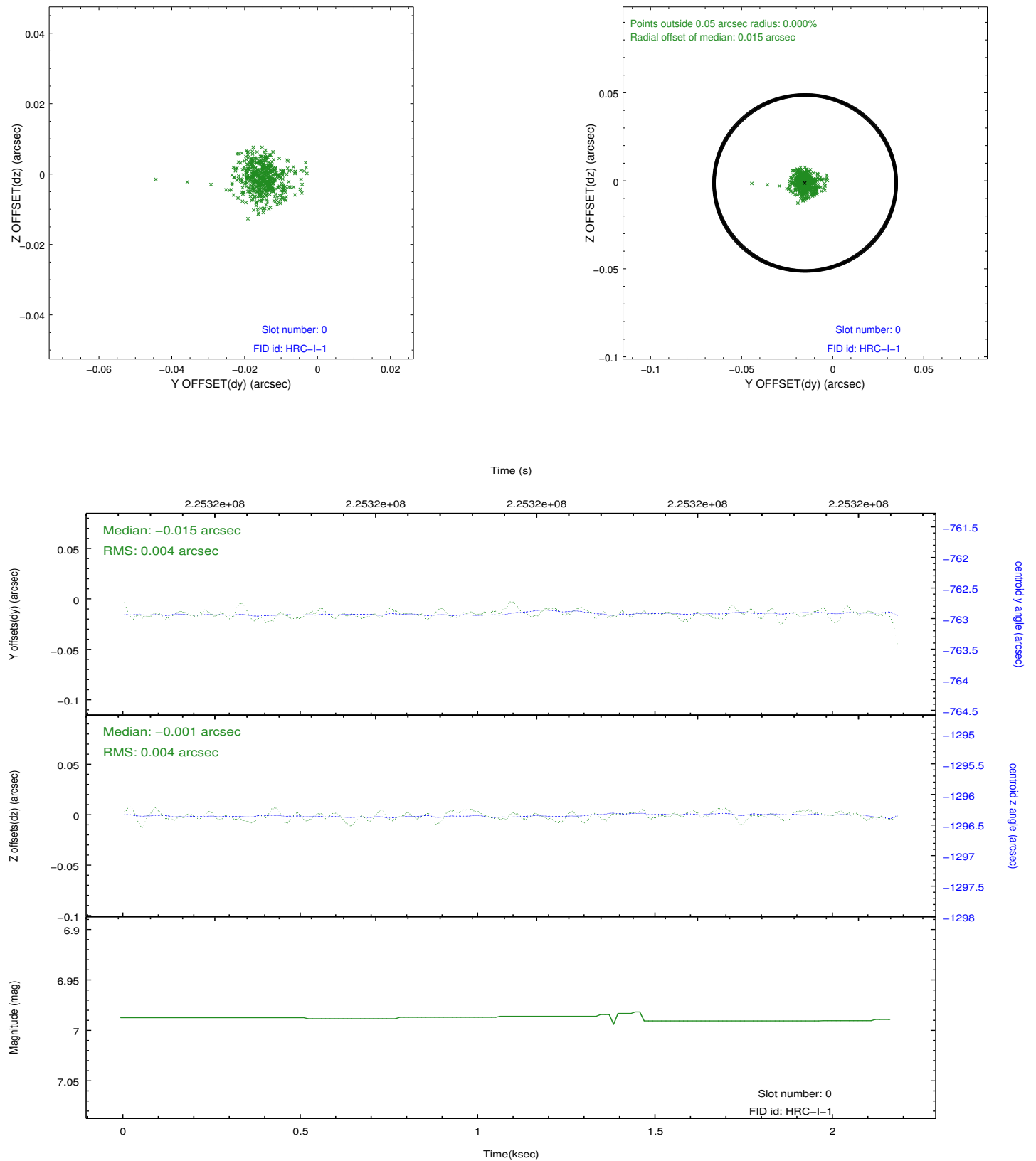


2.4.5 Slot 7

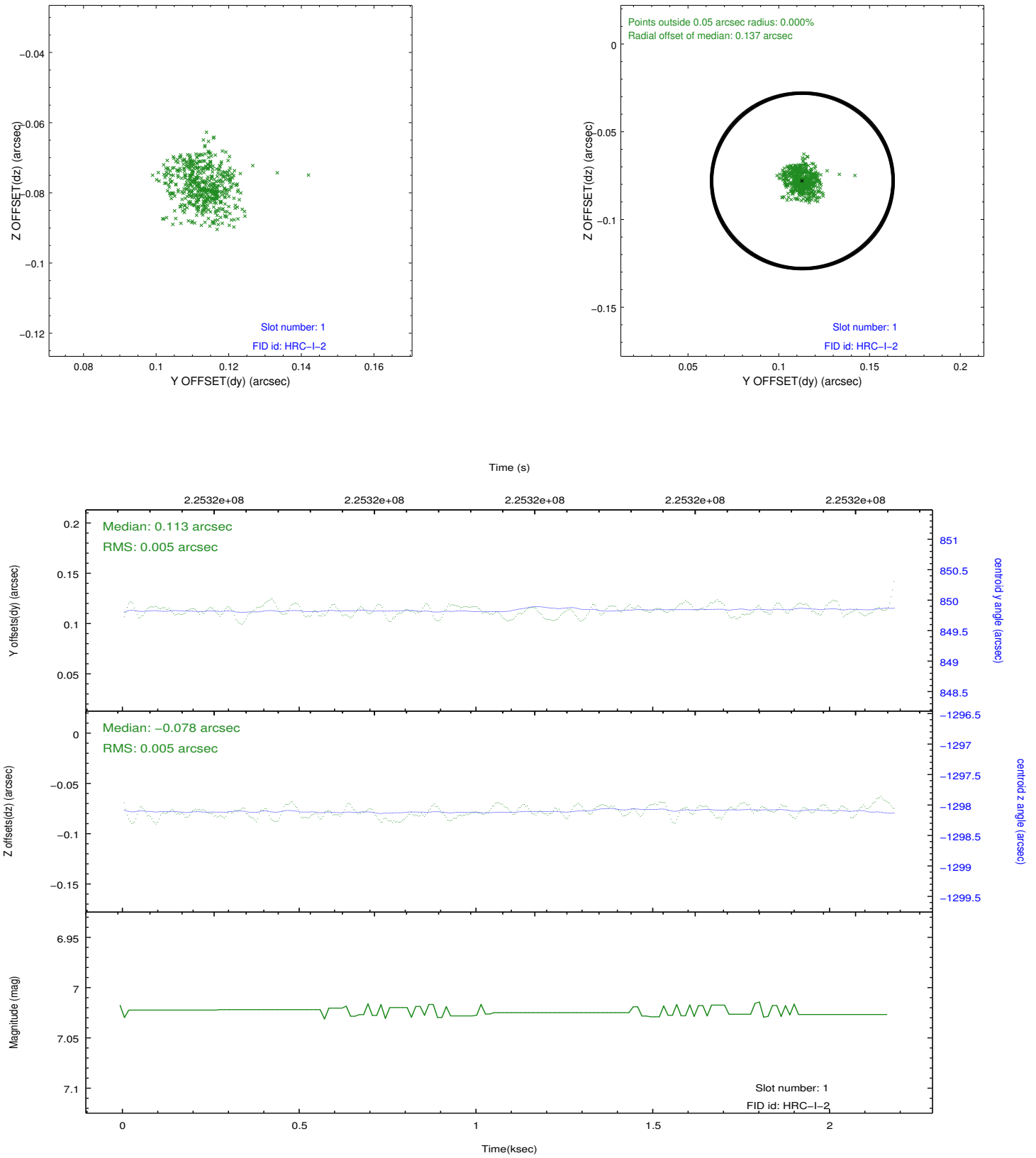


2.5 FID Slots

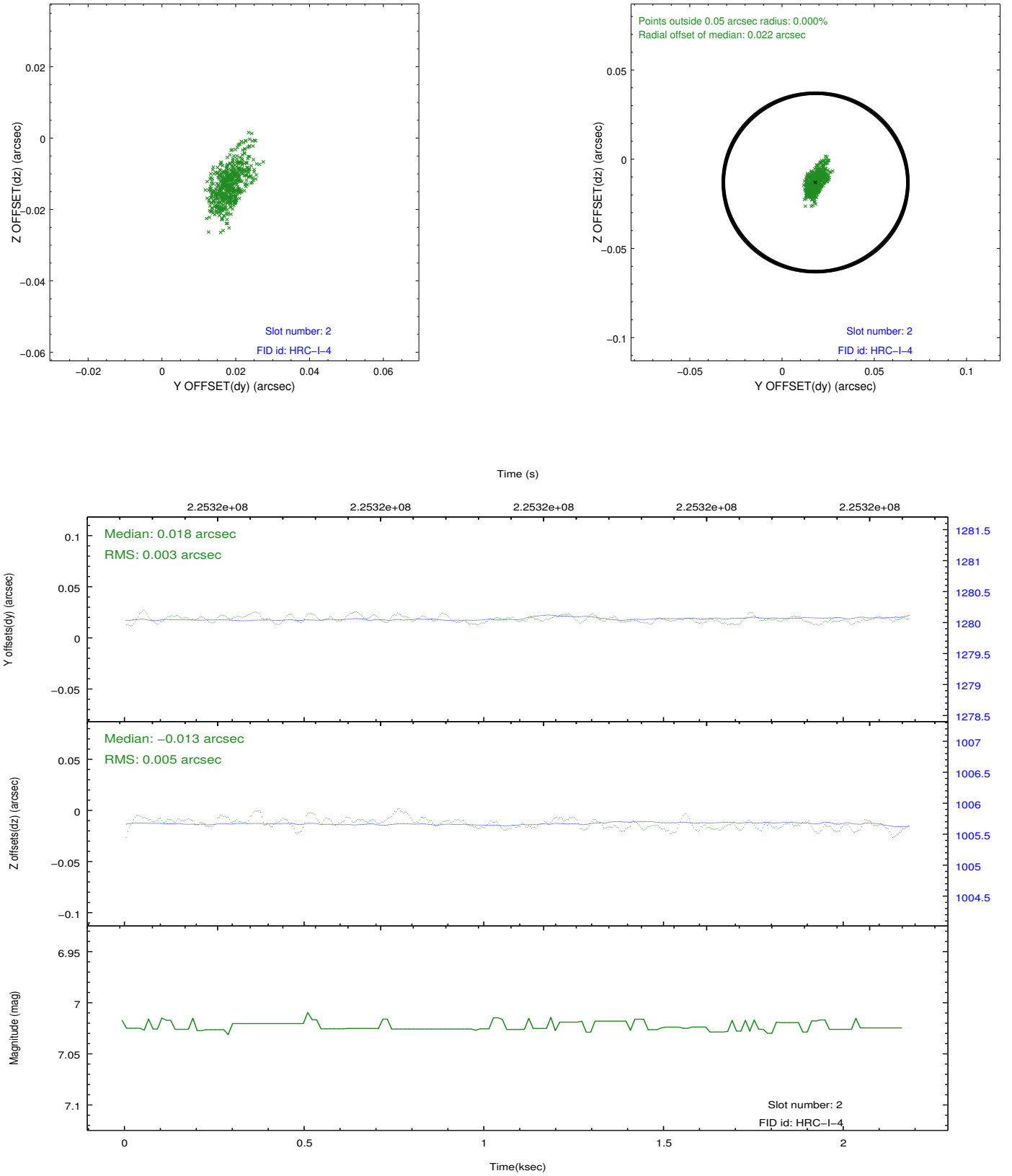
2.5.1 Slot 0



2.5.2 Slot 1

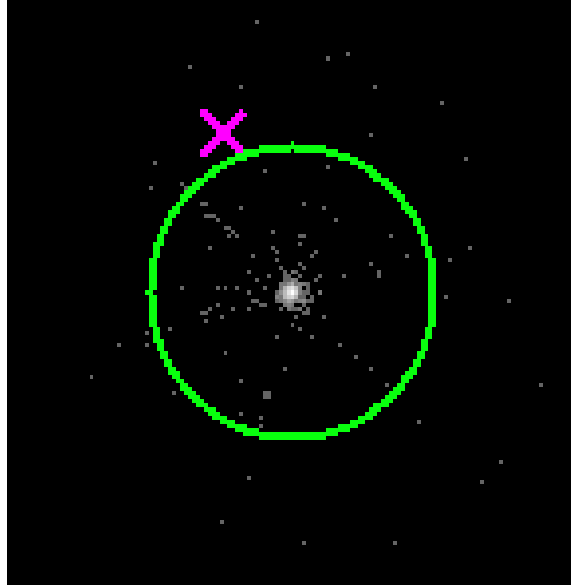


2.5.3 Slot 2

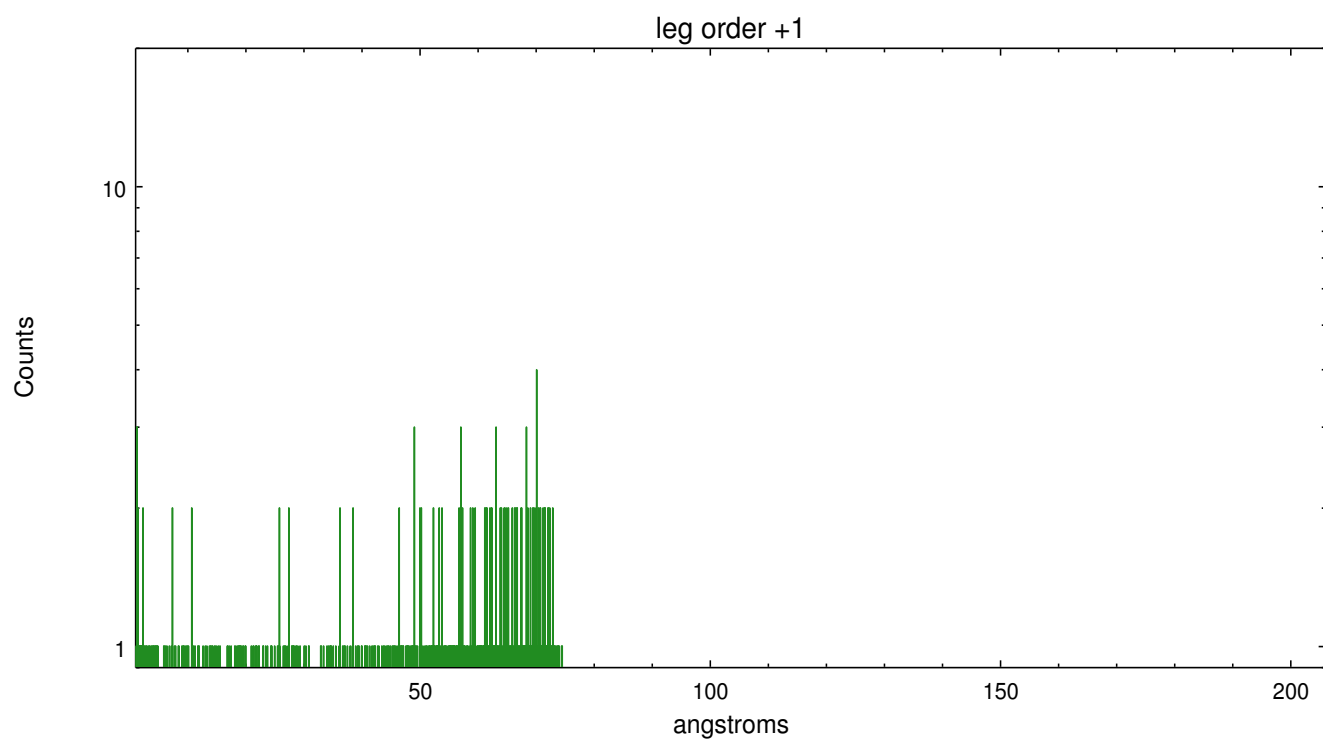
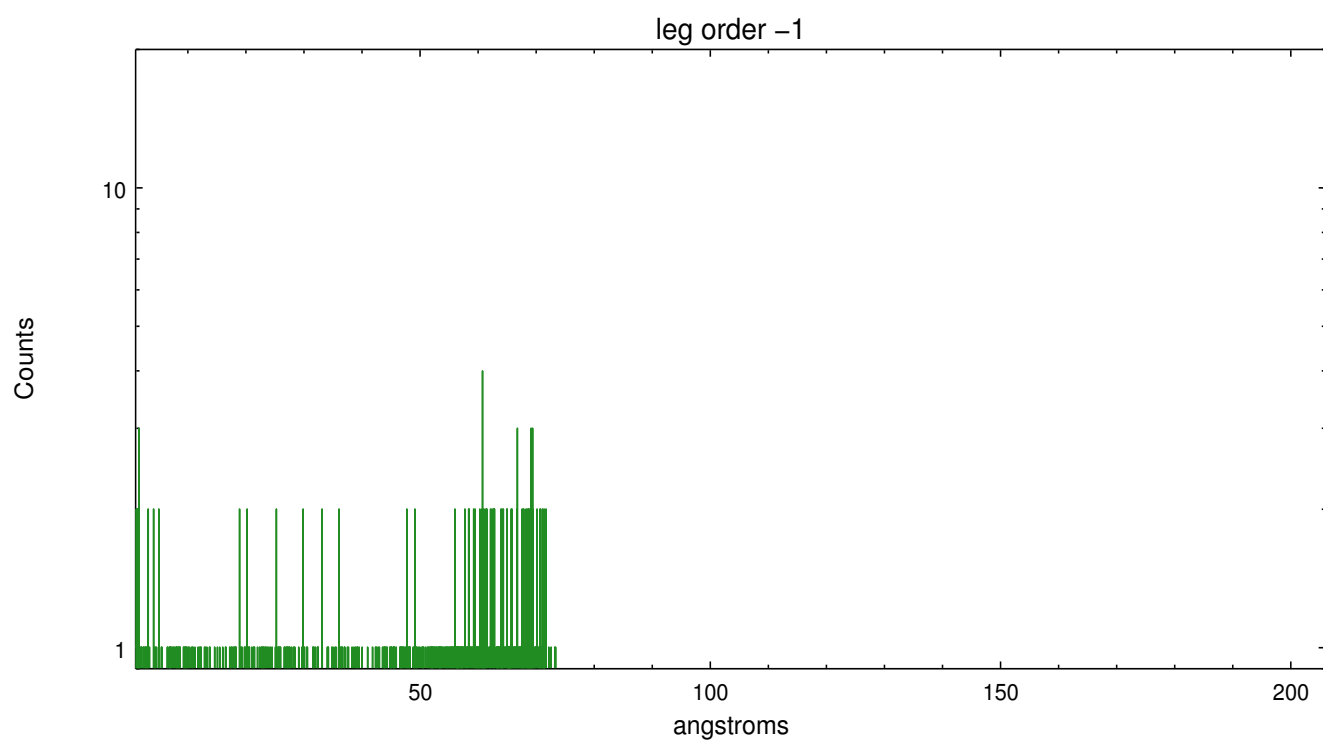


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.180175

A.2 Comments