

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1392 - L2 Version 4

Chandra X-Ray Center

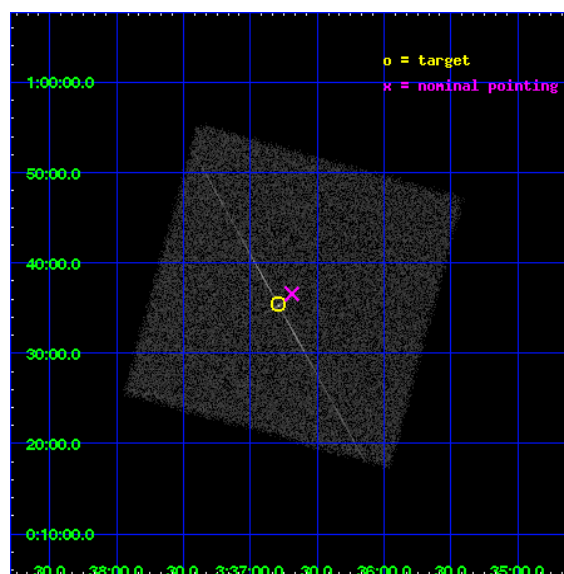
L2 Processing Date : Nov 20 2009

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1 Front

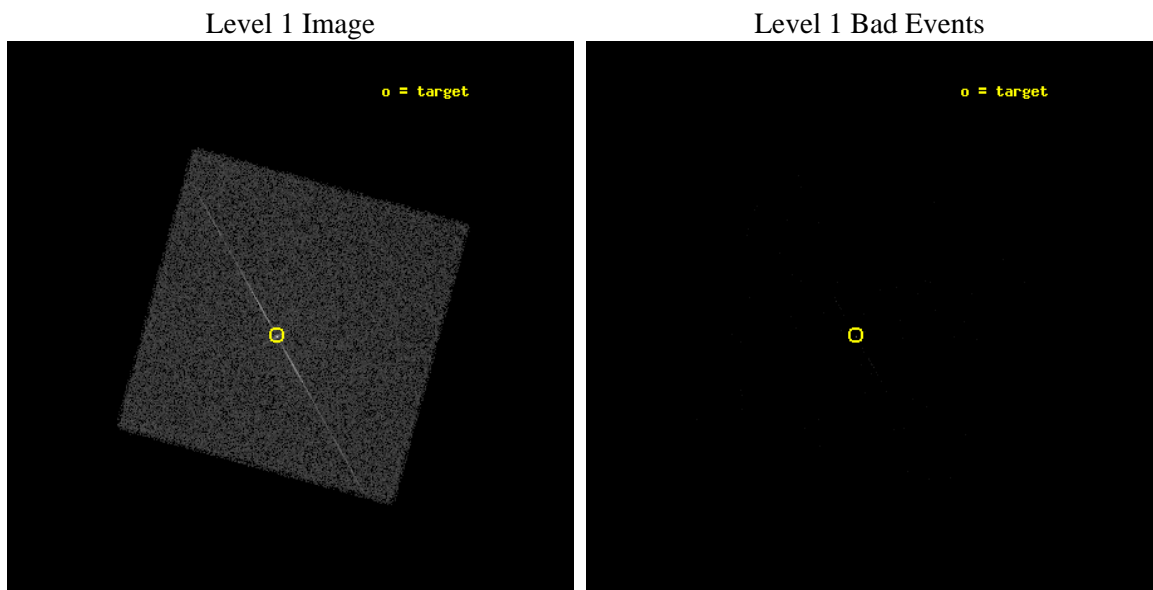
seq_num	280342	Sequence number
obs_id	1392	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.17227584523	Nominal RA
dec_nom	0.60961066586159	Nominal Dec
roll_nom	60.469445511551	Nominal Roll
revision	4	Processing version of data
ontime	2274.7313320488	[s]
livetime	2260.0857067358	Ontime multiplied by DTCOR
l2events	72079	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	2000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	2274.7313320488	[s]
caldbver	4.1.4	 	l1events	111058	Number of level 1 events
date	2009-11-20T16:26:25	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

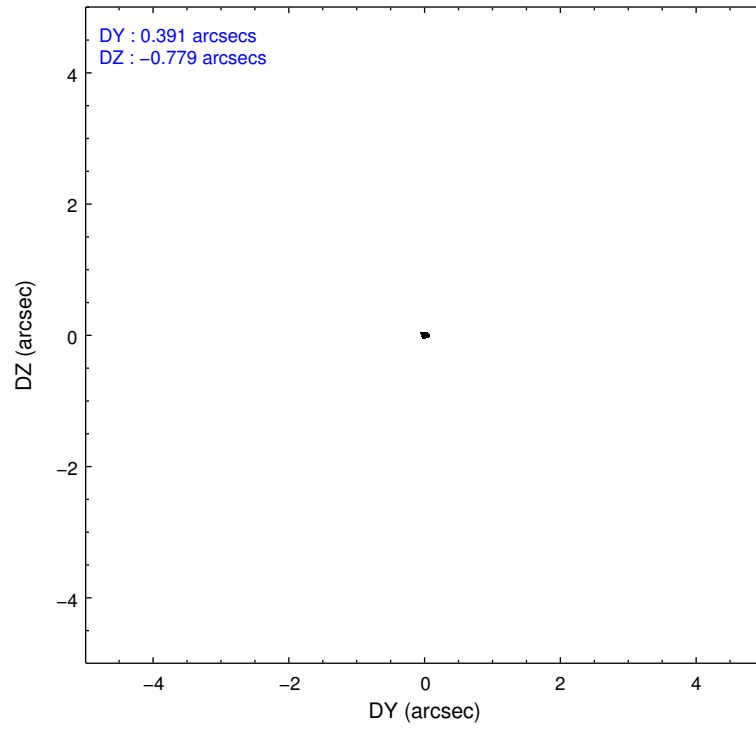
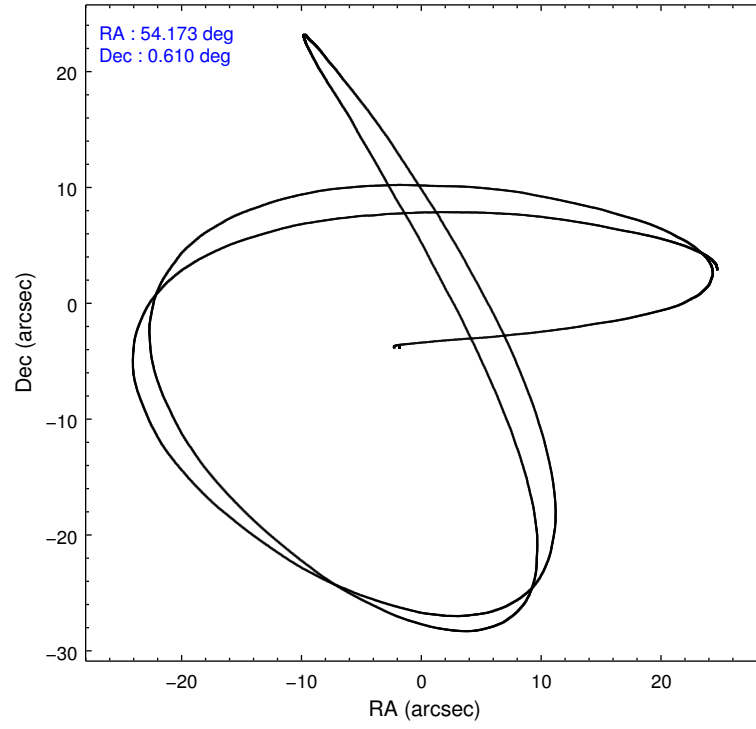
	segment 0
level 1 events	111058
rejected events	2550
rejected %	2%

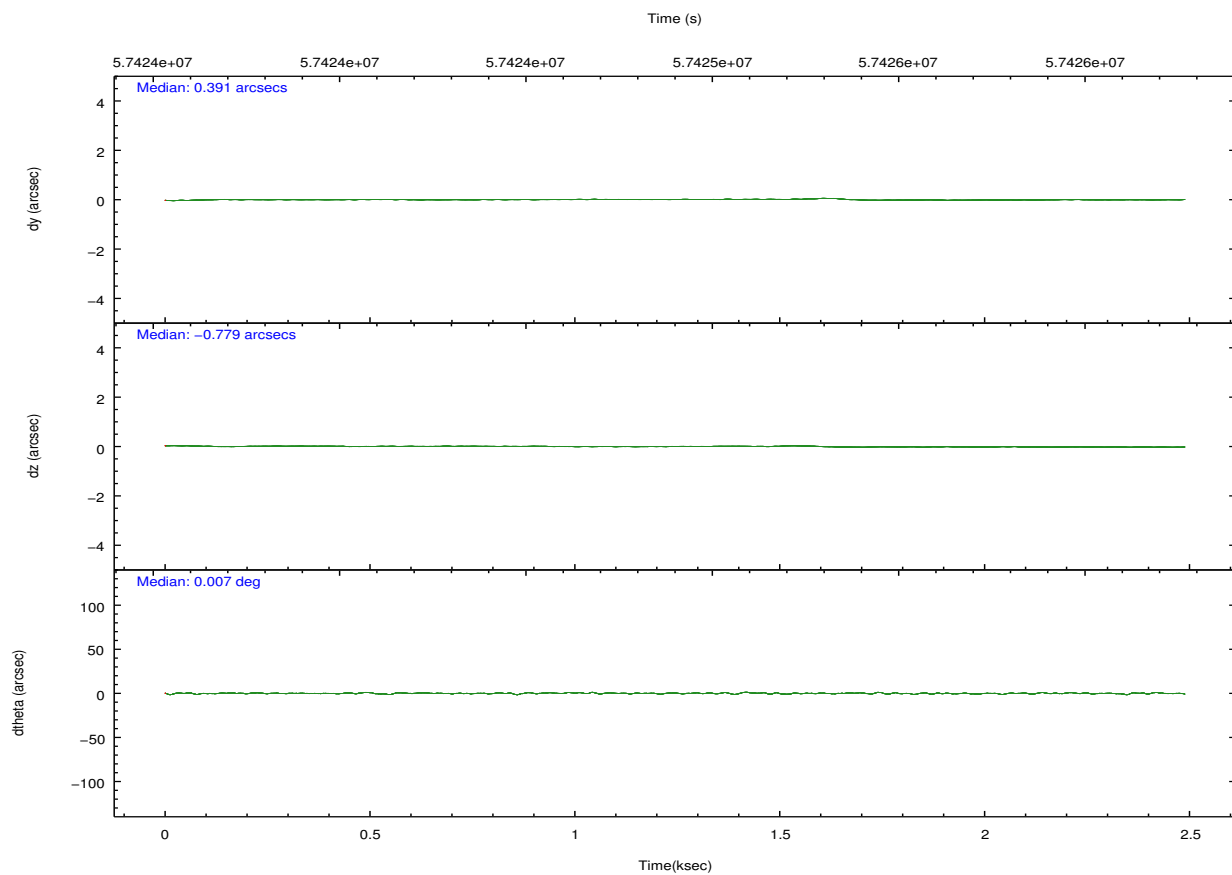
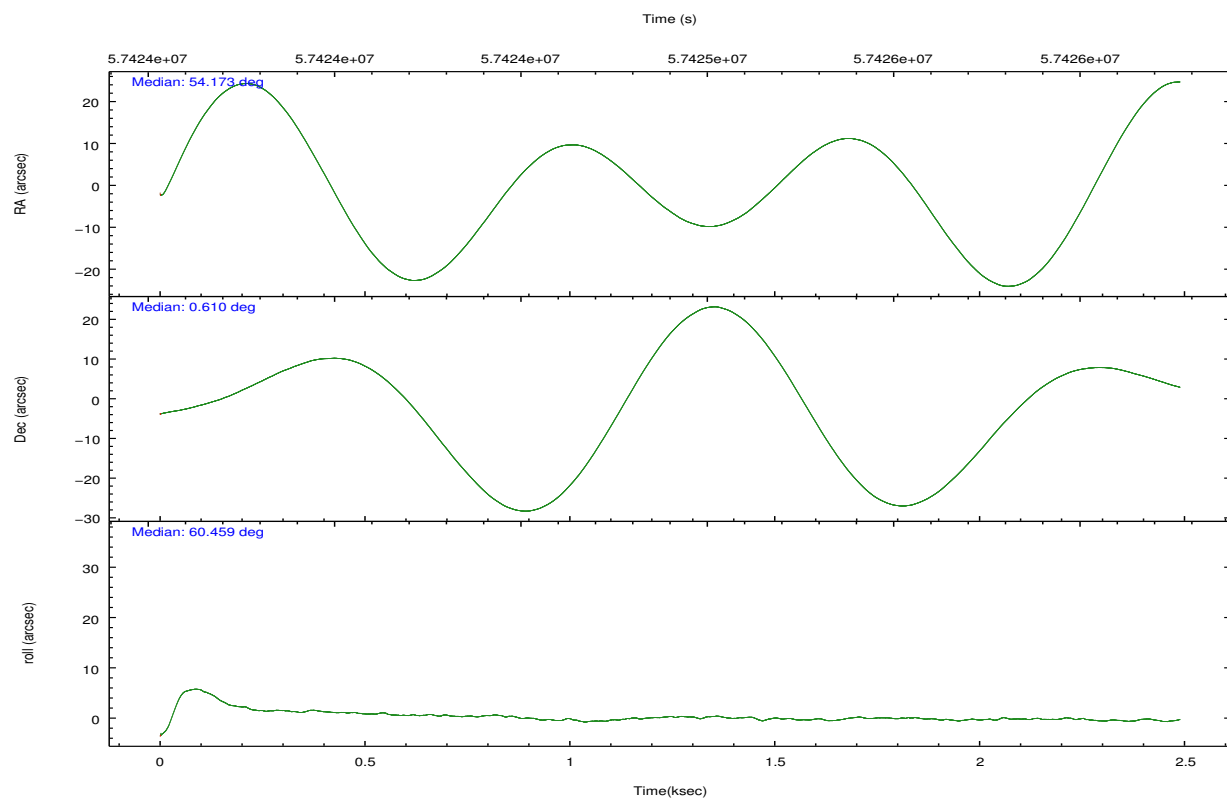
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.172198	54.17227584522956
Pointing Dec	0.581817	0.6096106658615886
Pointing Roll	60.564958	60.46944551155136
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9854943052878
SIM translation stage offset (mm)	0	-5.413686238853188e-06
Observation start time	57424145.184000	57423479.468628
Observation start date	1999-10-27T15:08:01	1999-10-27T14:57:59
Observation end time	57426145.184000	57426279.256229
Observation end date	1999-10-27T15:41:21	1999-10-27T15:44:39

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



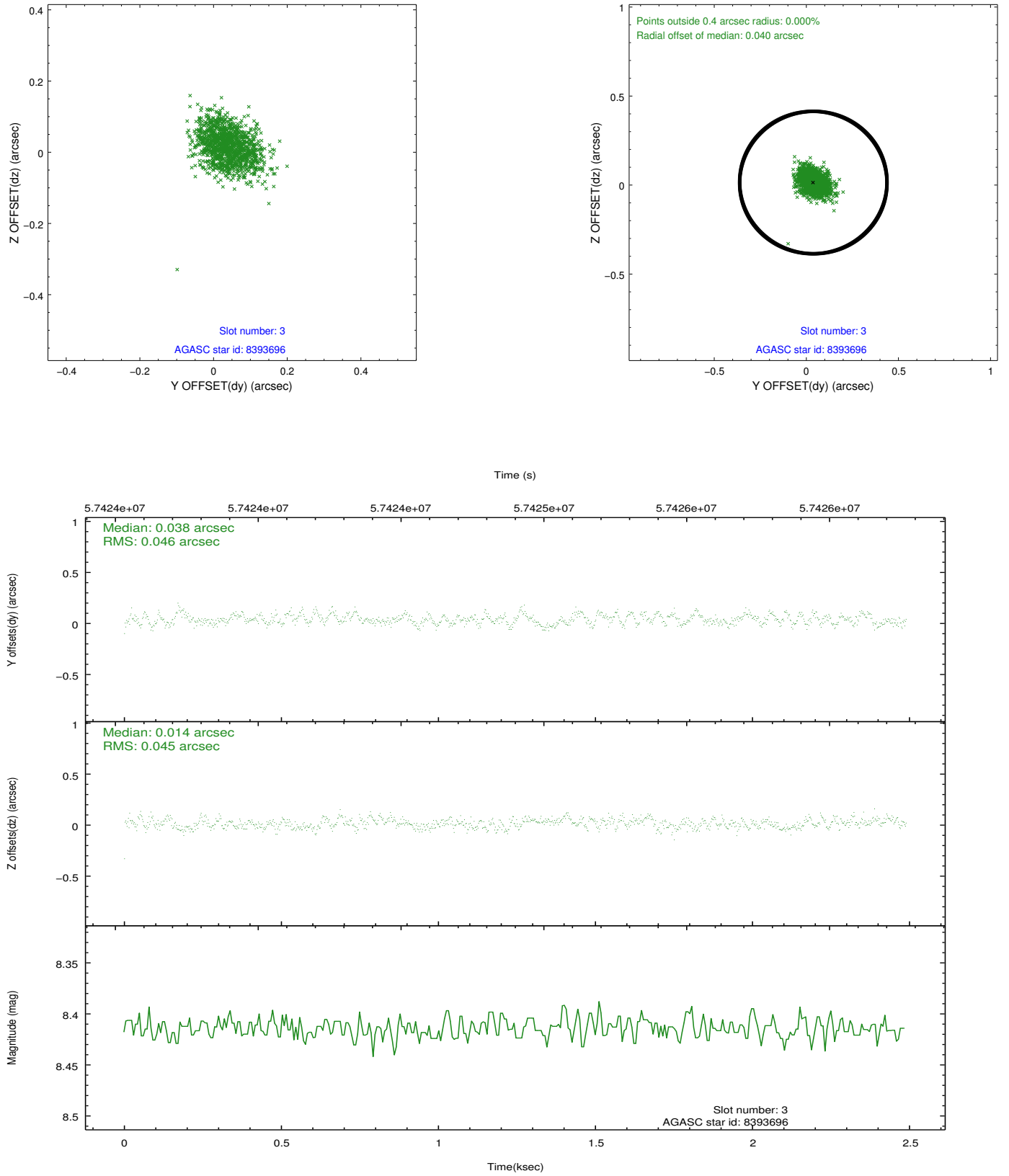


Slot Statistics

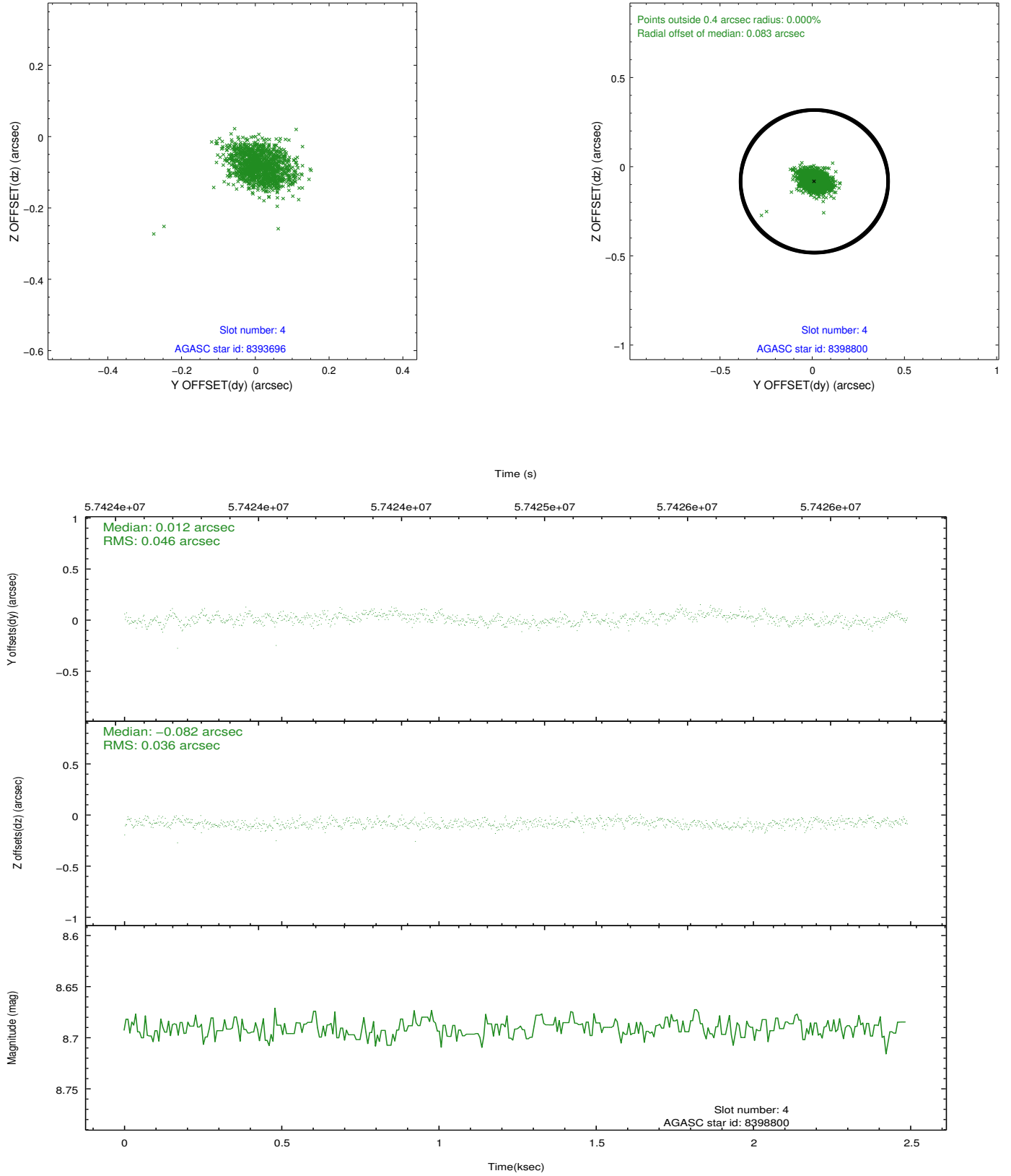
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.99	1214	0.049	-0.062	0.006	0.010	0.000000	0.000000	856.91	-1288.51
1	FID	HRC-I-3	7.03	1215	0.043	-0.015	0.006	0.010	0.000000	0.000000	-1183.56	1016.57
2	FID	HRC-I-4	6.97	1215	0.026	-0.010	0.006	0.009	0.000000	0.000000	1286.02	1016.13
3	GUIDE	8393696	8.41	1215	0.038	0.014	0.068	0.108	53.645666	0.680479	-623.63	1827.44
4	GUIDE	8398800	8.69	1215	0.012	-0.082	0.060	0.099	54.242352	0.922024	1188.91	385.83
5	GUIDE	8390744	9.02	1214	-0.021	-0.102	0.079	0.125	53.677290	0.926294	203.94	2163.45
6	GUIDE	8395104	8.67	1215	-0.105	0.078	0.068	0.105	54.744893	0.796520	1685.44	-1411.12
7	GUIDE	8395504	9.76	1212	0.069	0.096	0.101	0.169	54.466573	0.973564	1749.25	-228.27

2.4 Star Slots

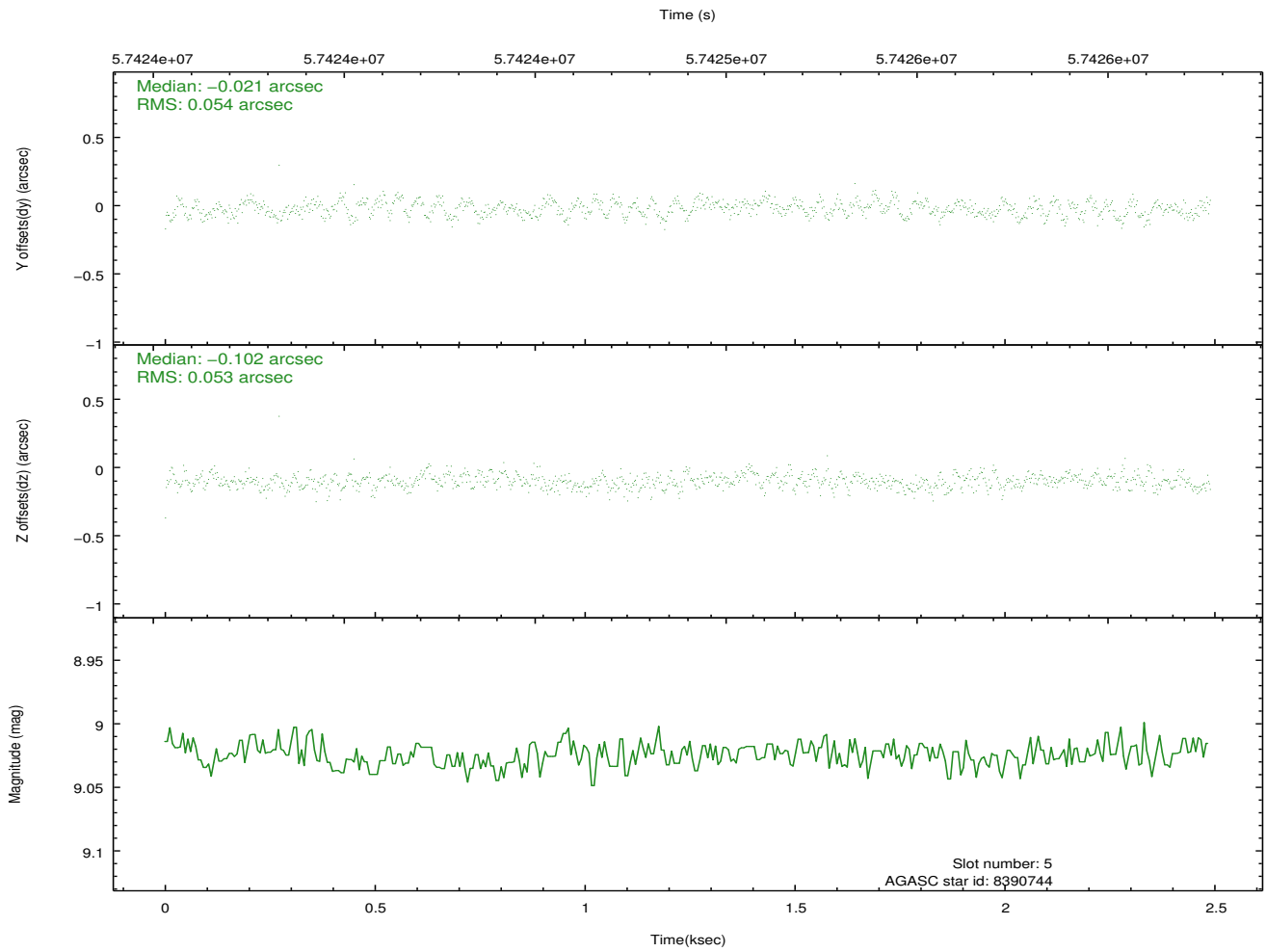
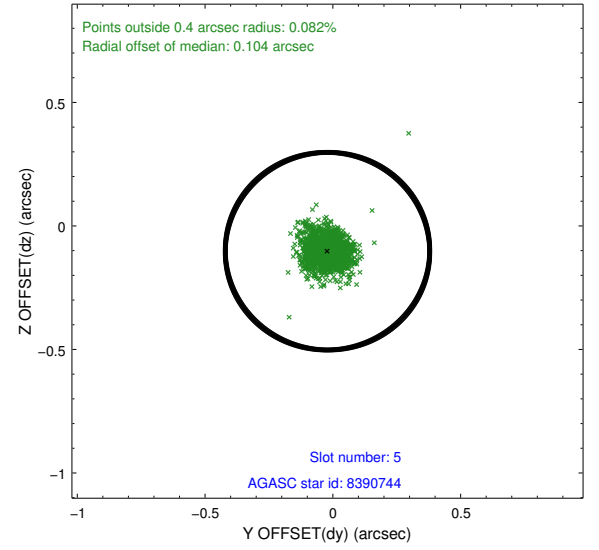
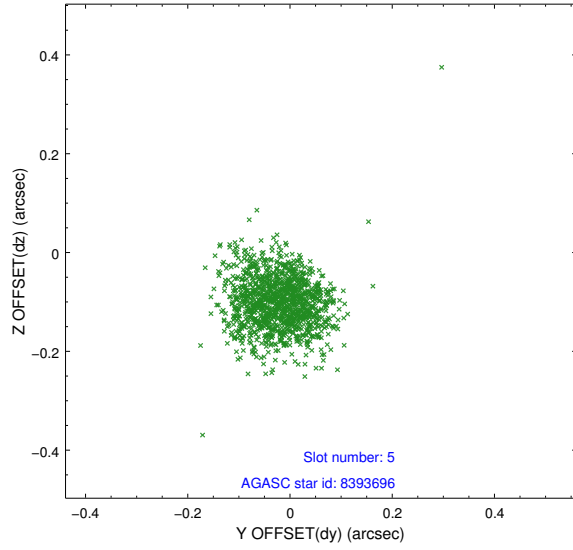
2.4.1 Slot 3



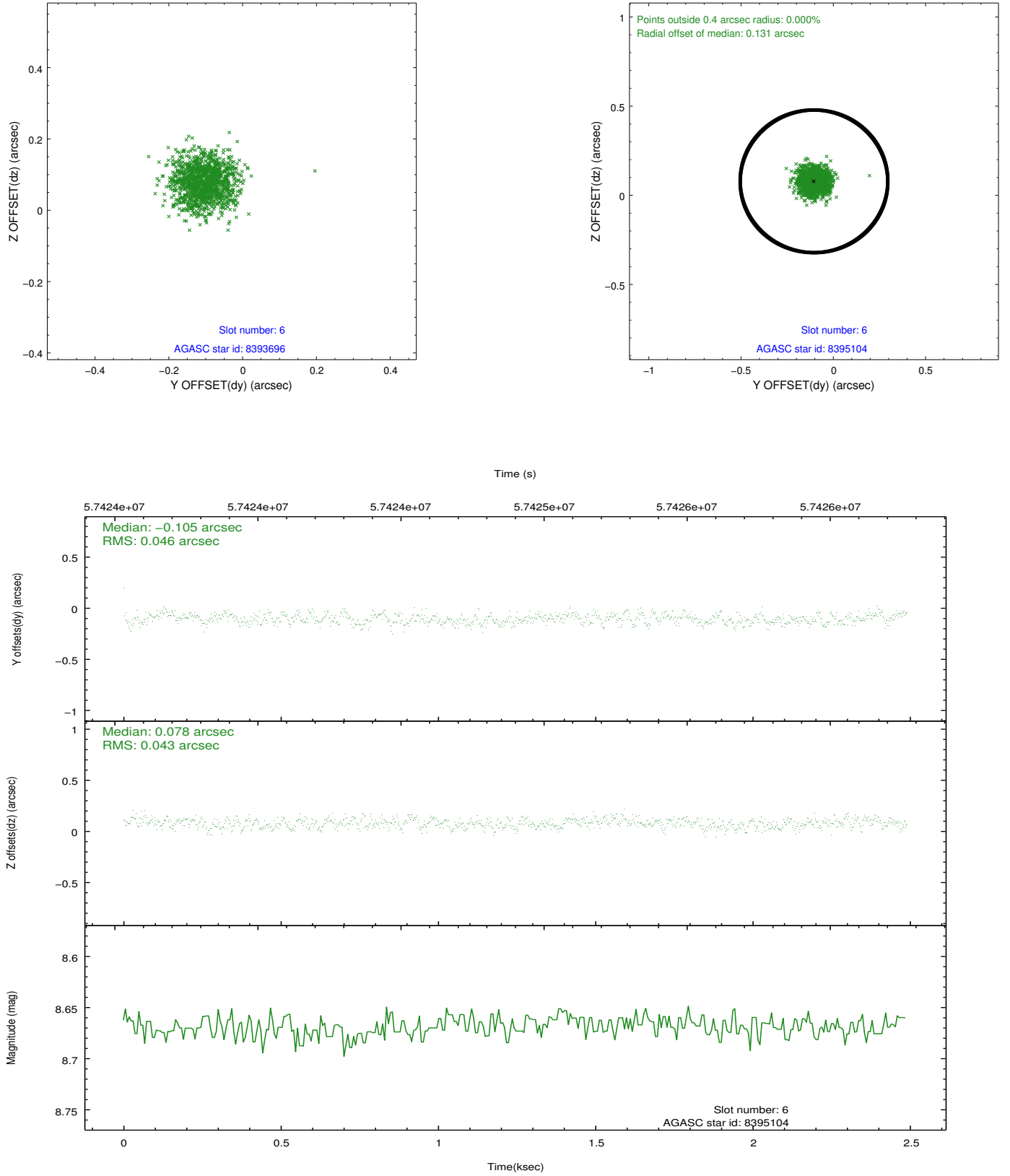
2.4.2 Slot 4



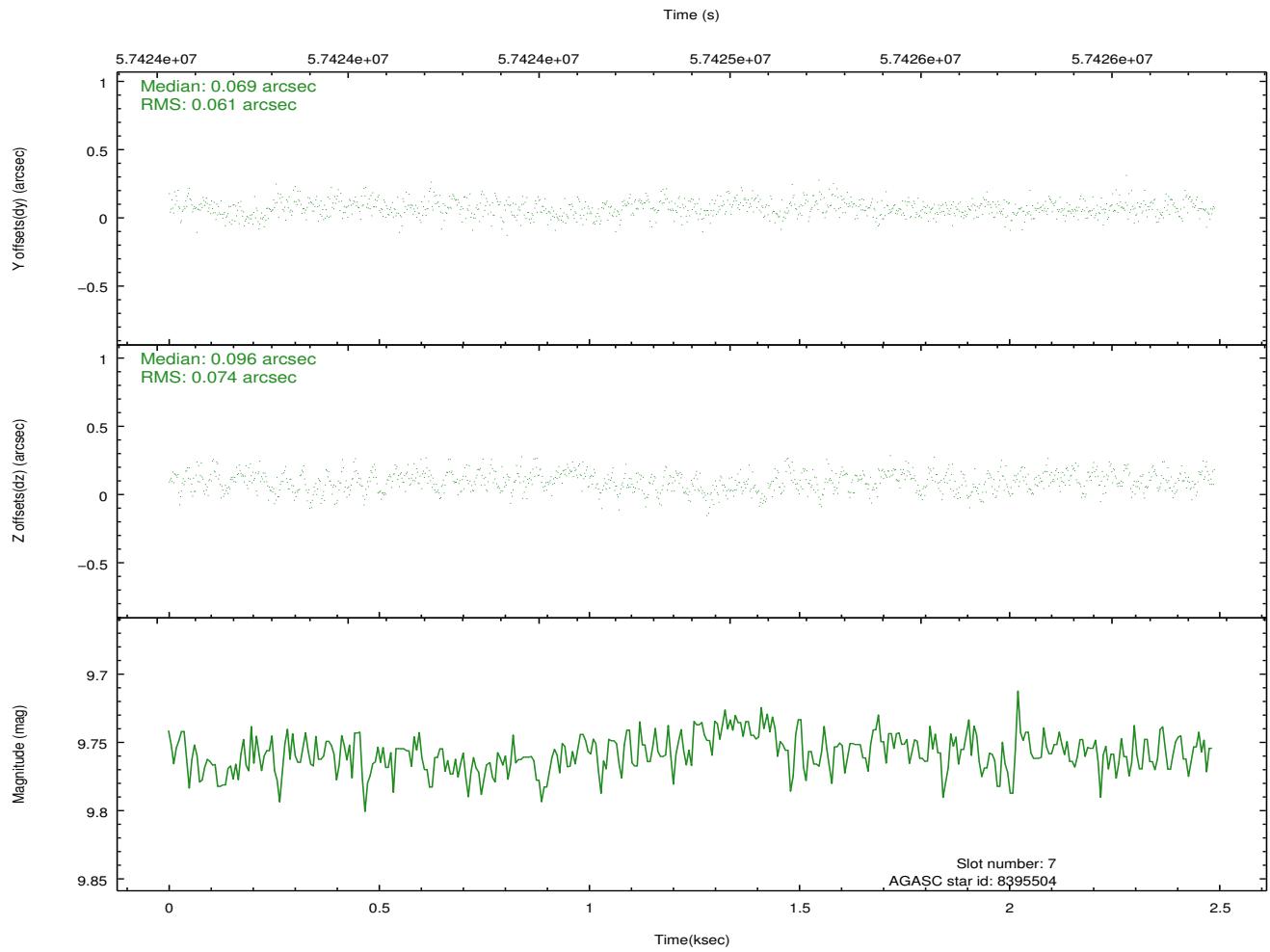
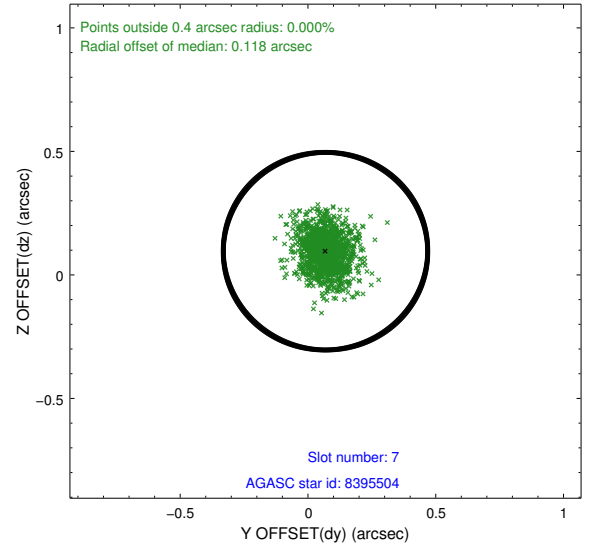
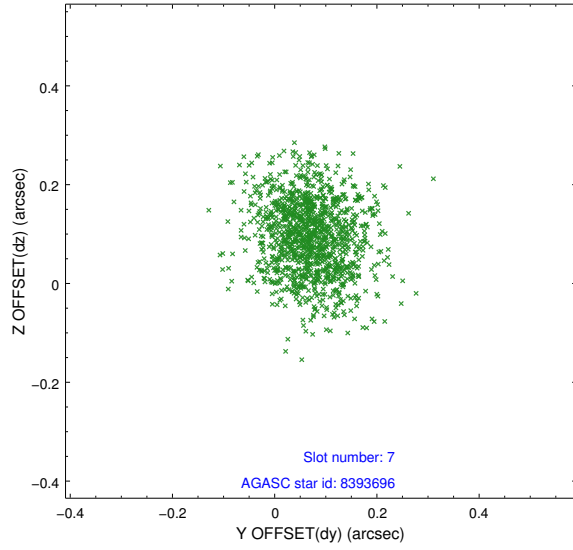
2.4.3 Slot 5



2.4.4 Slot 6

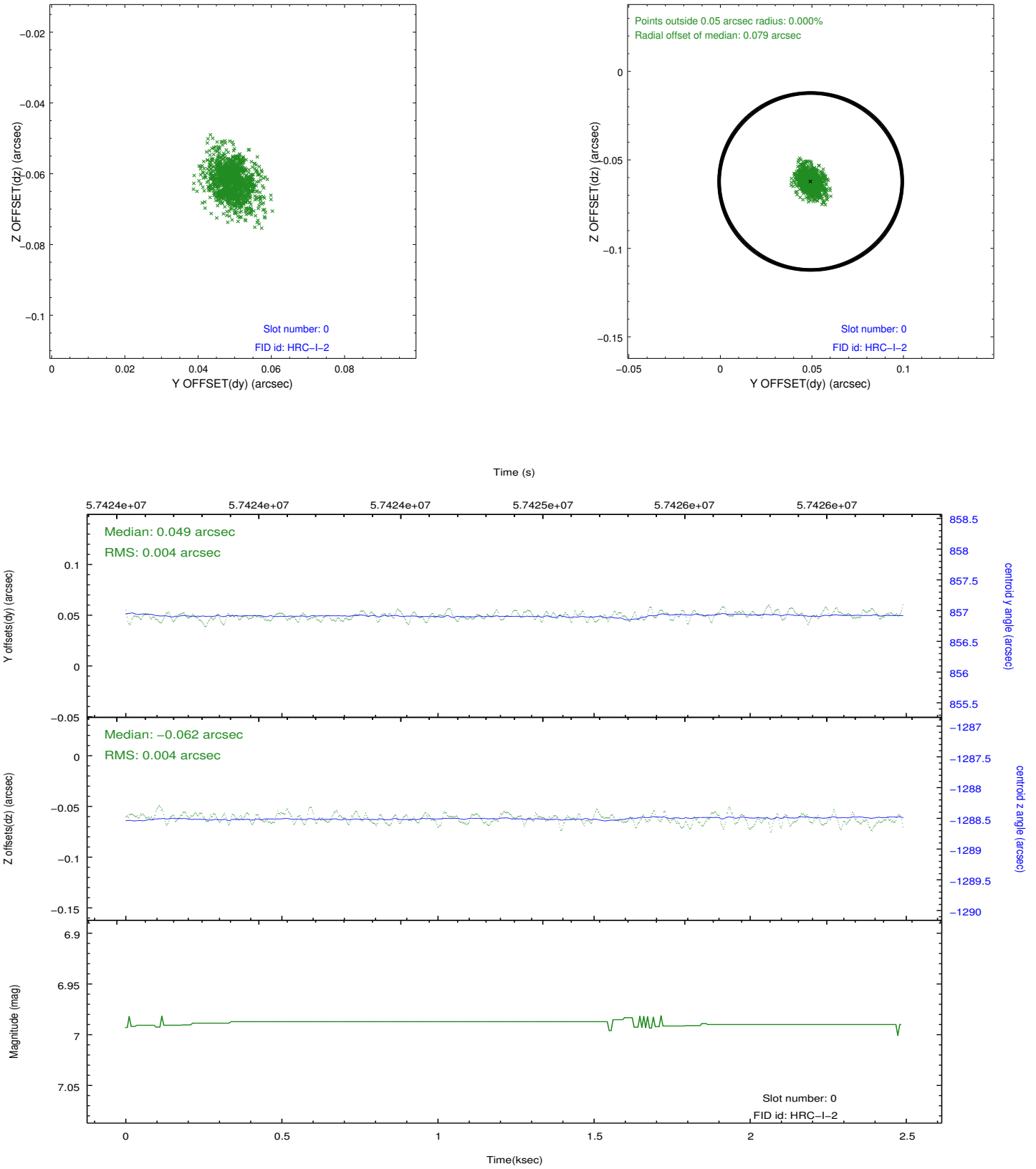


2.4.5 Slot 7

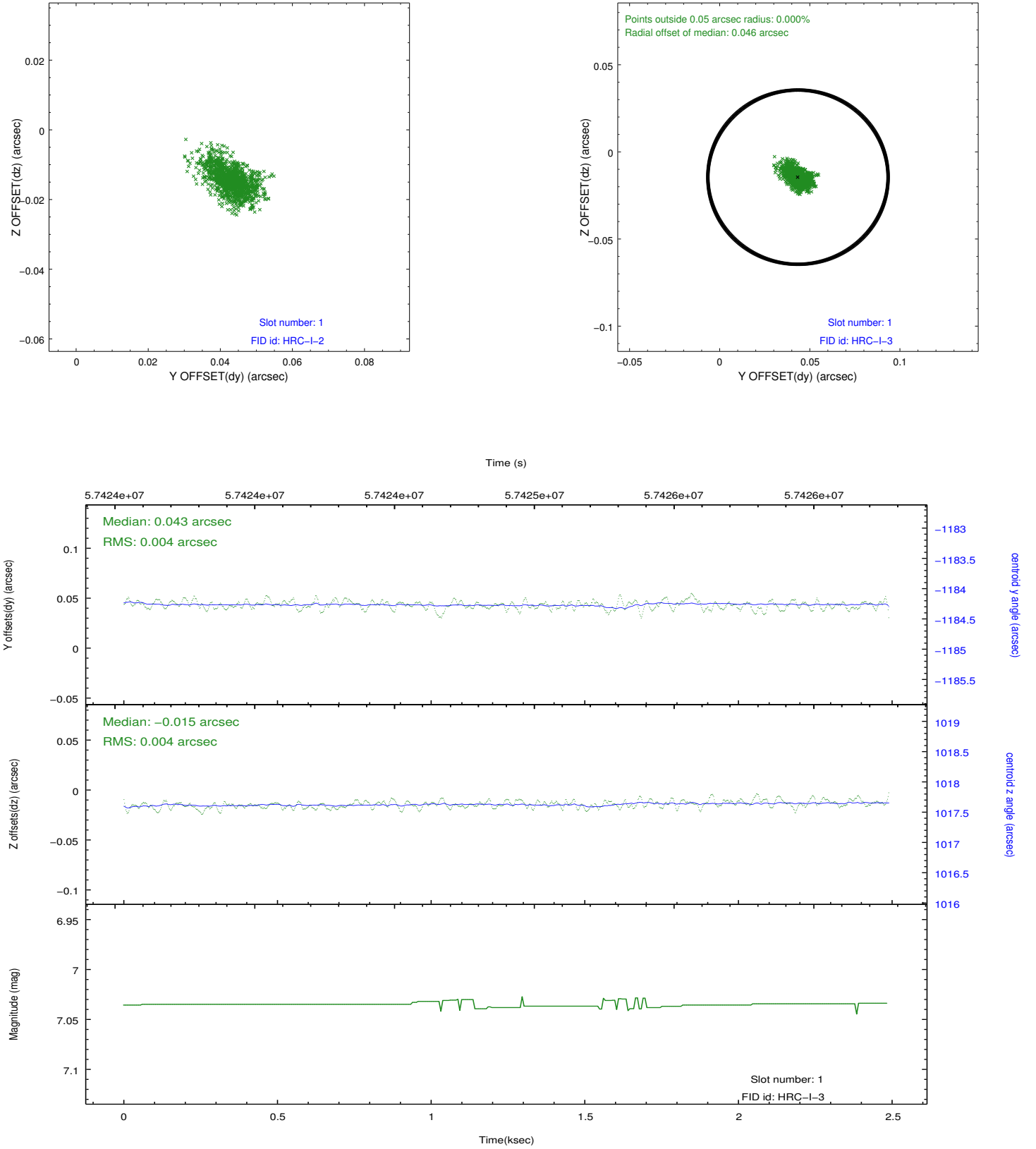


2.5 FID Slots

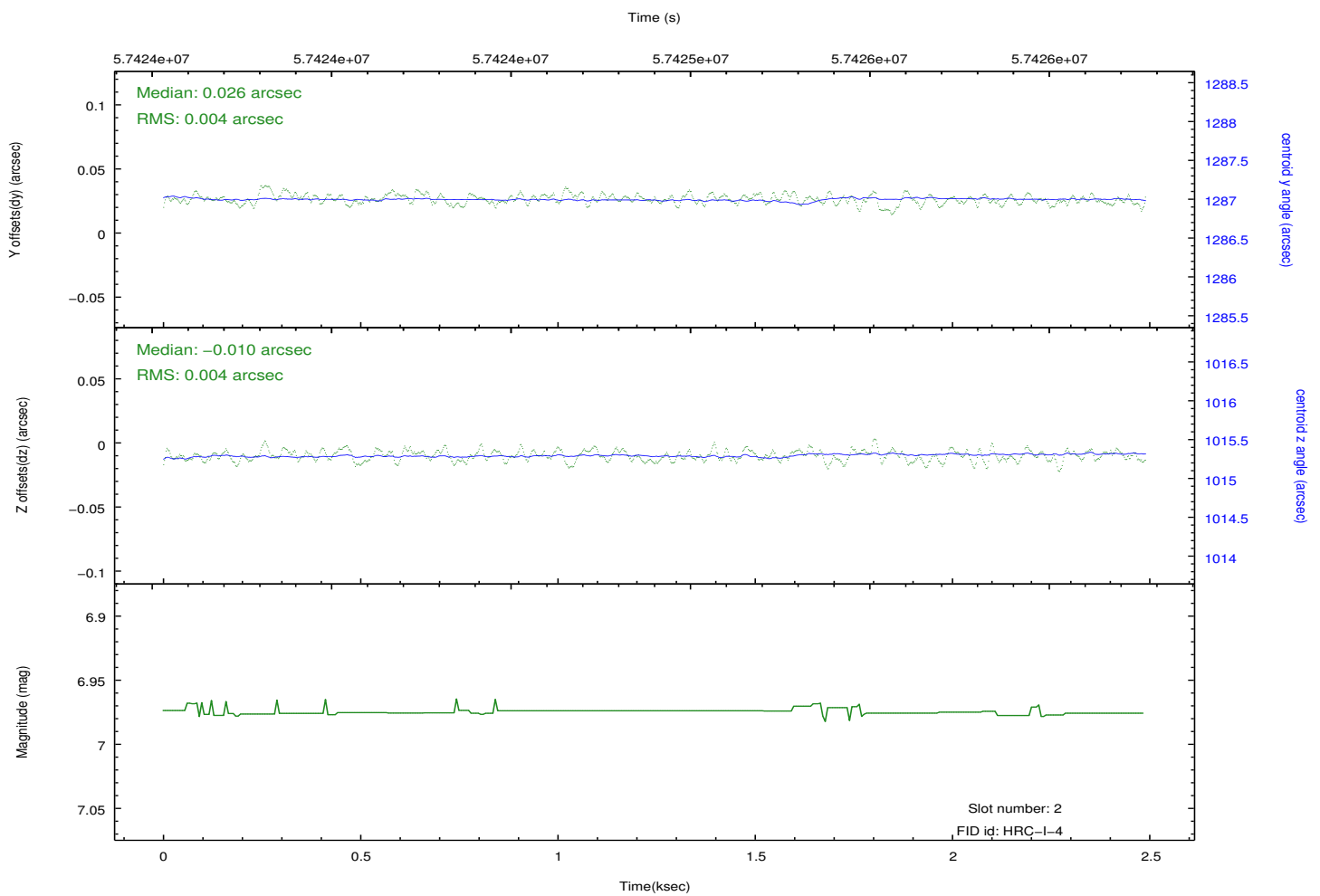
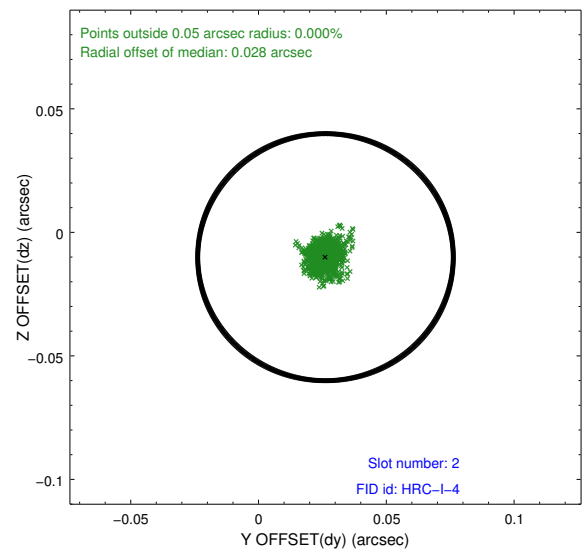
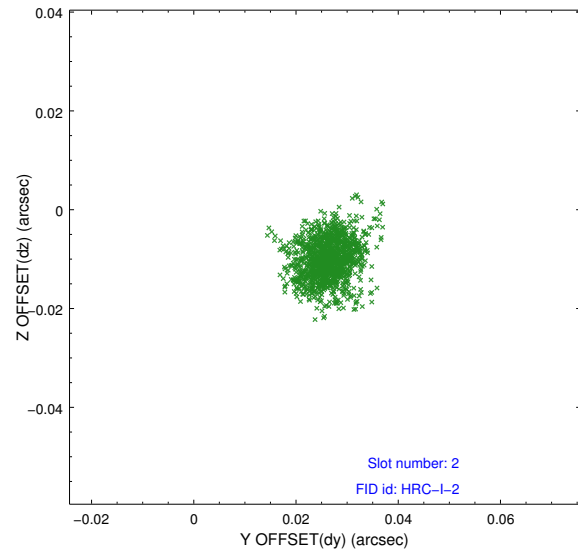
2.5.1 Slot 0



2.5.2 Slot 1

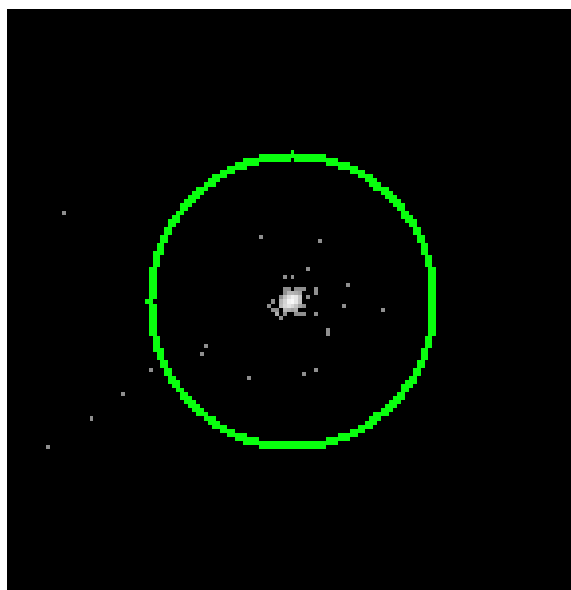


2.5.3 Slot 2

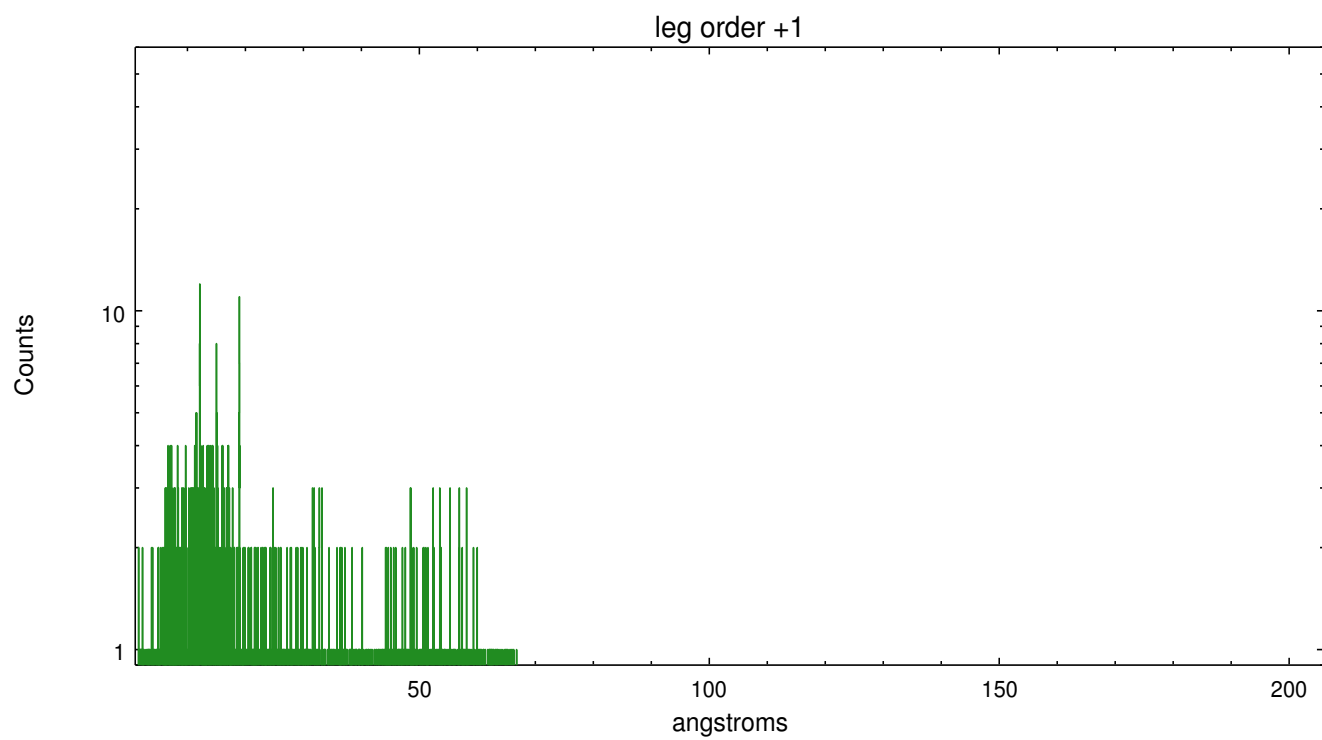
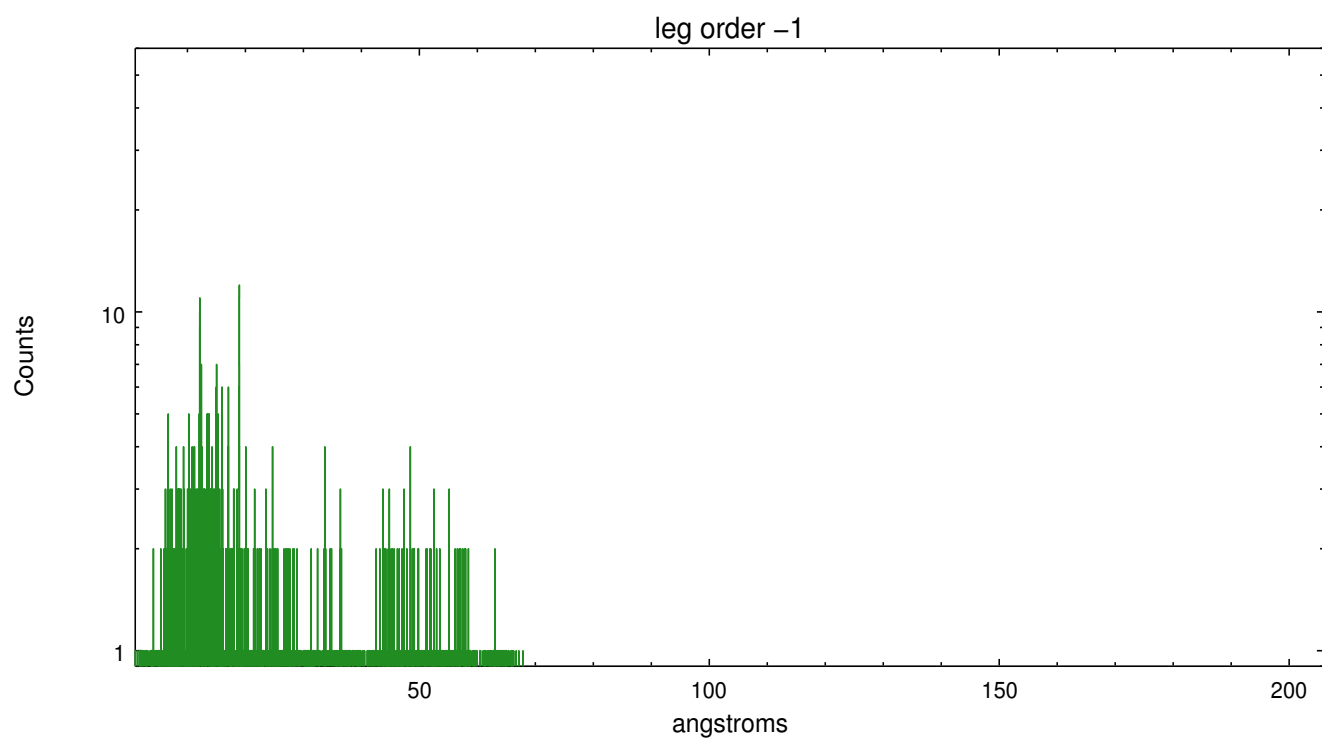


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.274

A.2 Comments

HRC-I PSF tests. Target is off-axis in the cross-dispersion direction.