

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1393 - L2 Version 4

Chandra X-Ray Center

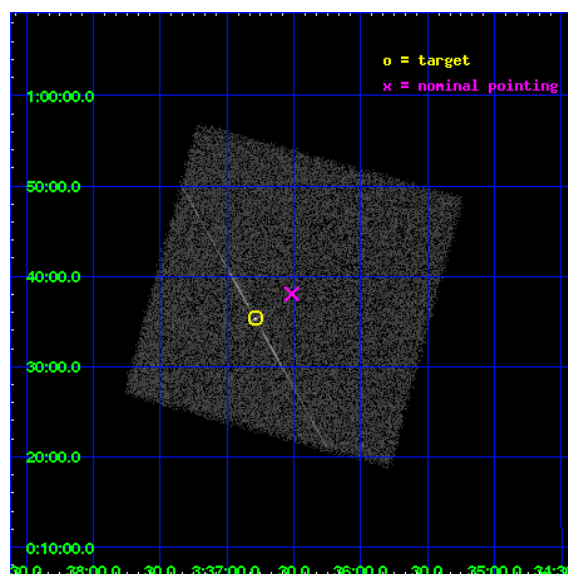
L2 Processing Date : Nov 20 2009

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1 Front

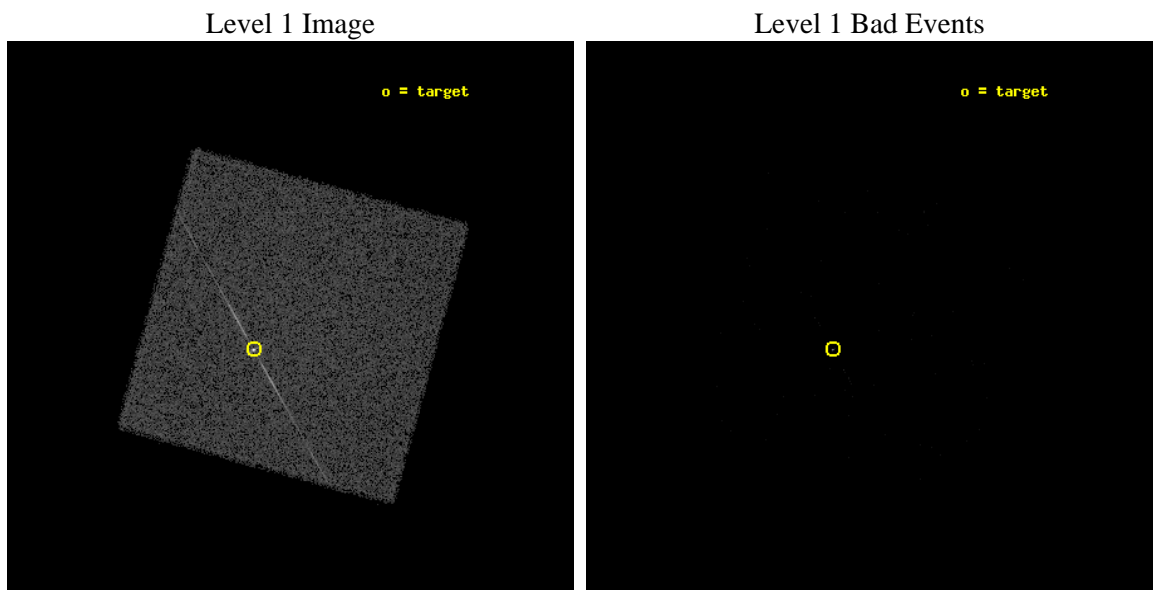
seq_num	280343	Sequence number
obs_id	1393	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.128757902365	Nominal RA
dec_nom	0.6342408014523	Nominal Dec
roll_nom	60.415919400499	Nominal Roll
revision	4	Processing version of data
ontime	2273.706332013	[s]
livetime	2259.0198316427	Ontime multiplied by DTCOR
l2events	72084	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	2273.706332013	[s]
caldbver	4.1.4	 	l1events	111552	Number of level 1 events
date	2009-11-20T16:48:03	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

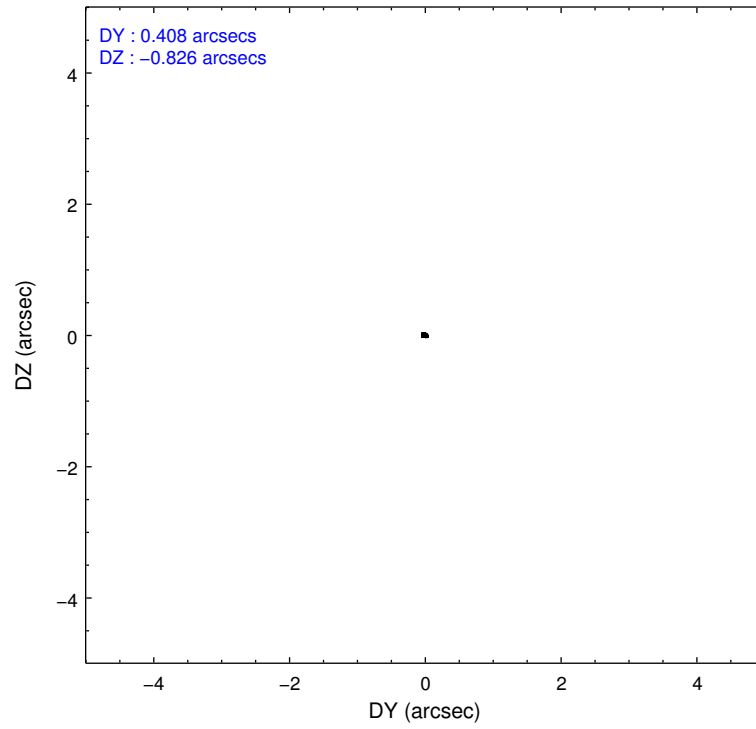
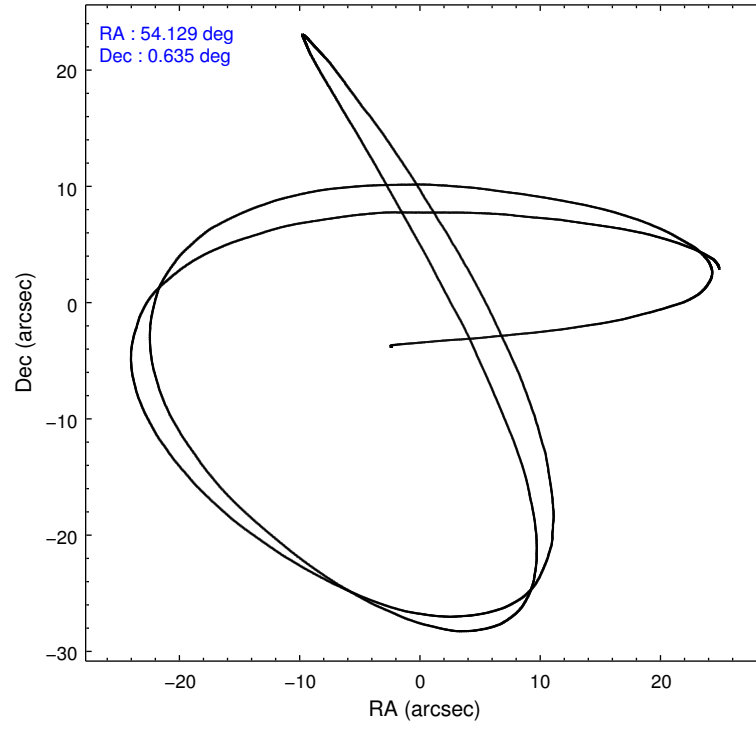
Level 1 Events

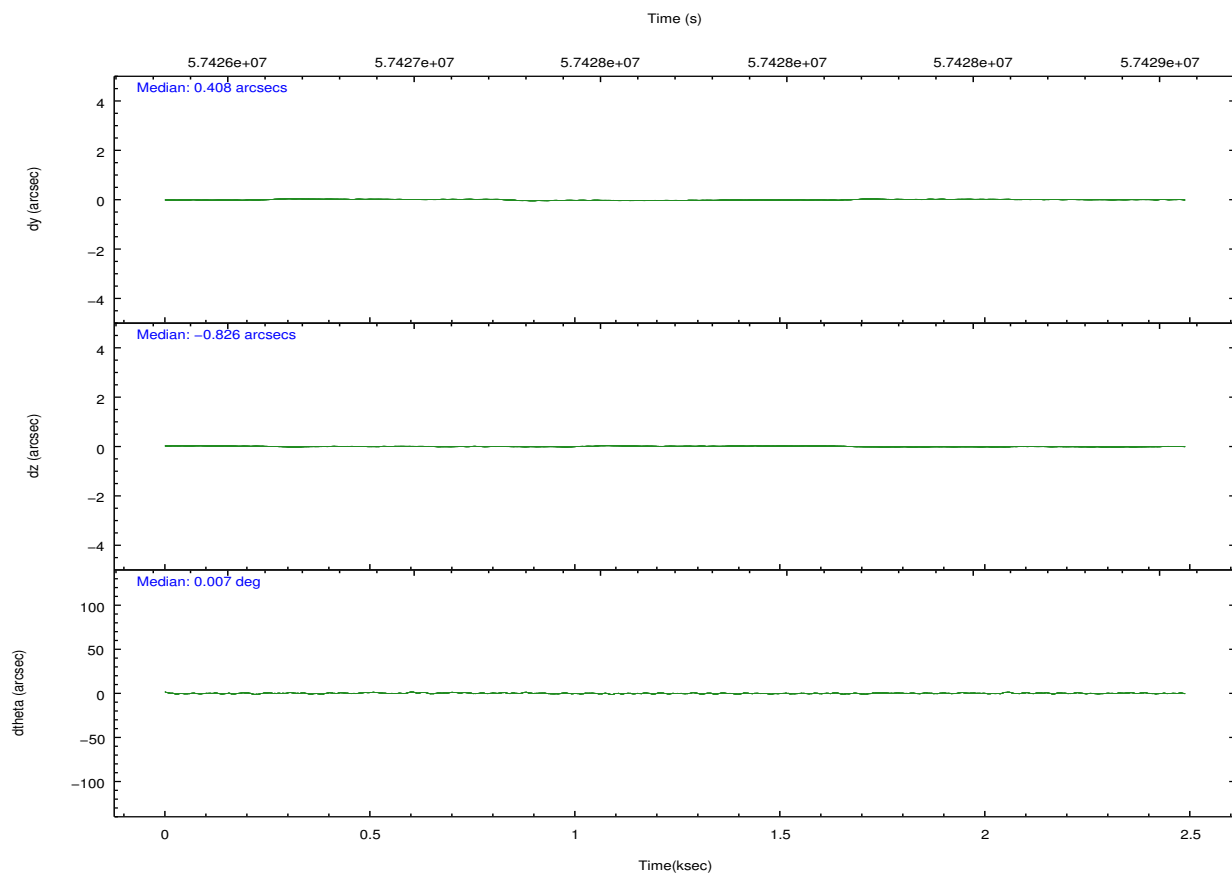
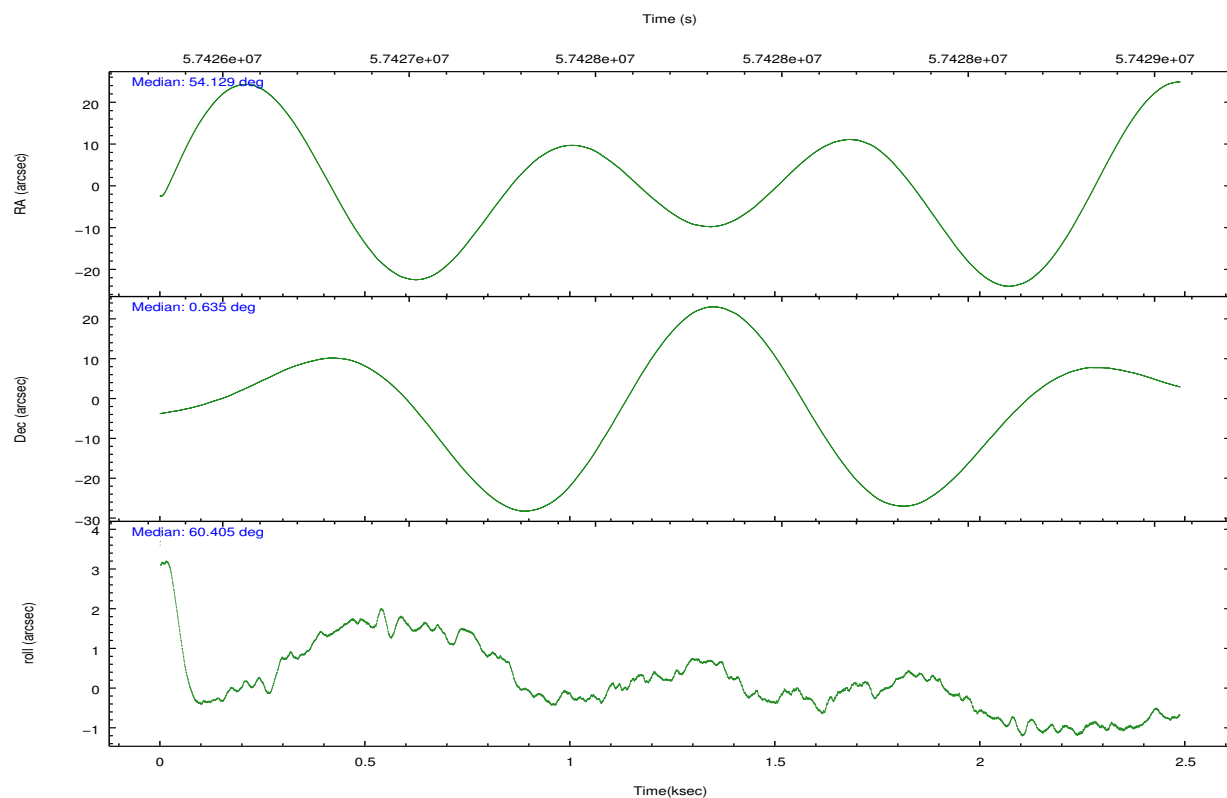
	segment 0
level 1 events	111552
rejected events	2610
rejected %	2%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	54.128660	54.1287579023653			
Pointing Dec	0.606453	0.6342408014523022			
Pointing Roll	60.511398	60.41591940049913			
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	57426945.184000	57426279.256229			
Observation start date	1999-10-27T15:54:41	1999-10-27T15:44:39			
Observation end time	57428945.184000	57429079.04383			
Observation end date	1999-10-27T16:28:01	1999-10-27T16:31:19			

2.3 Aspect



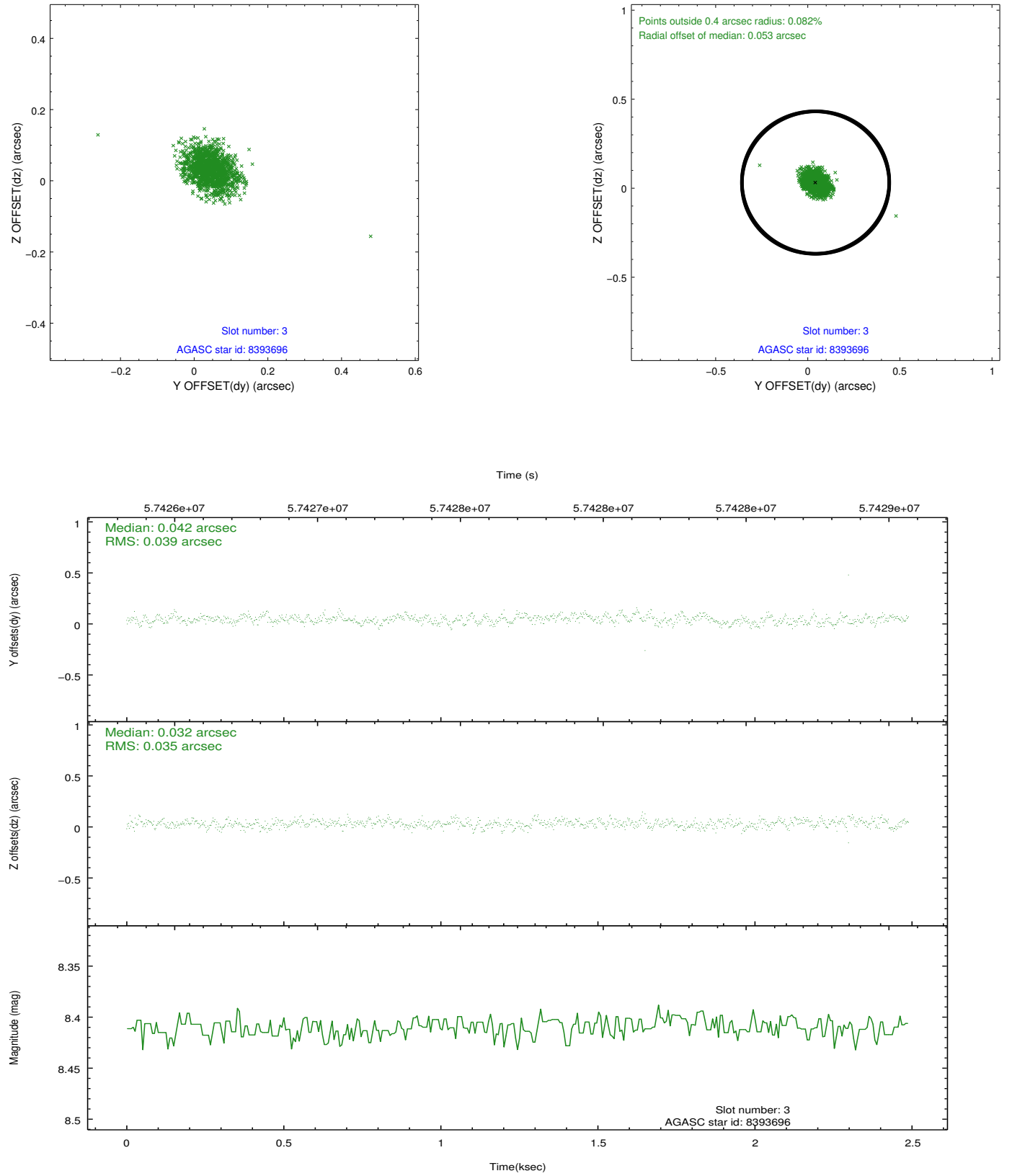


Slot Statistics

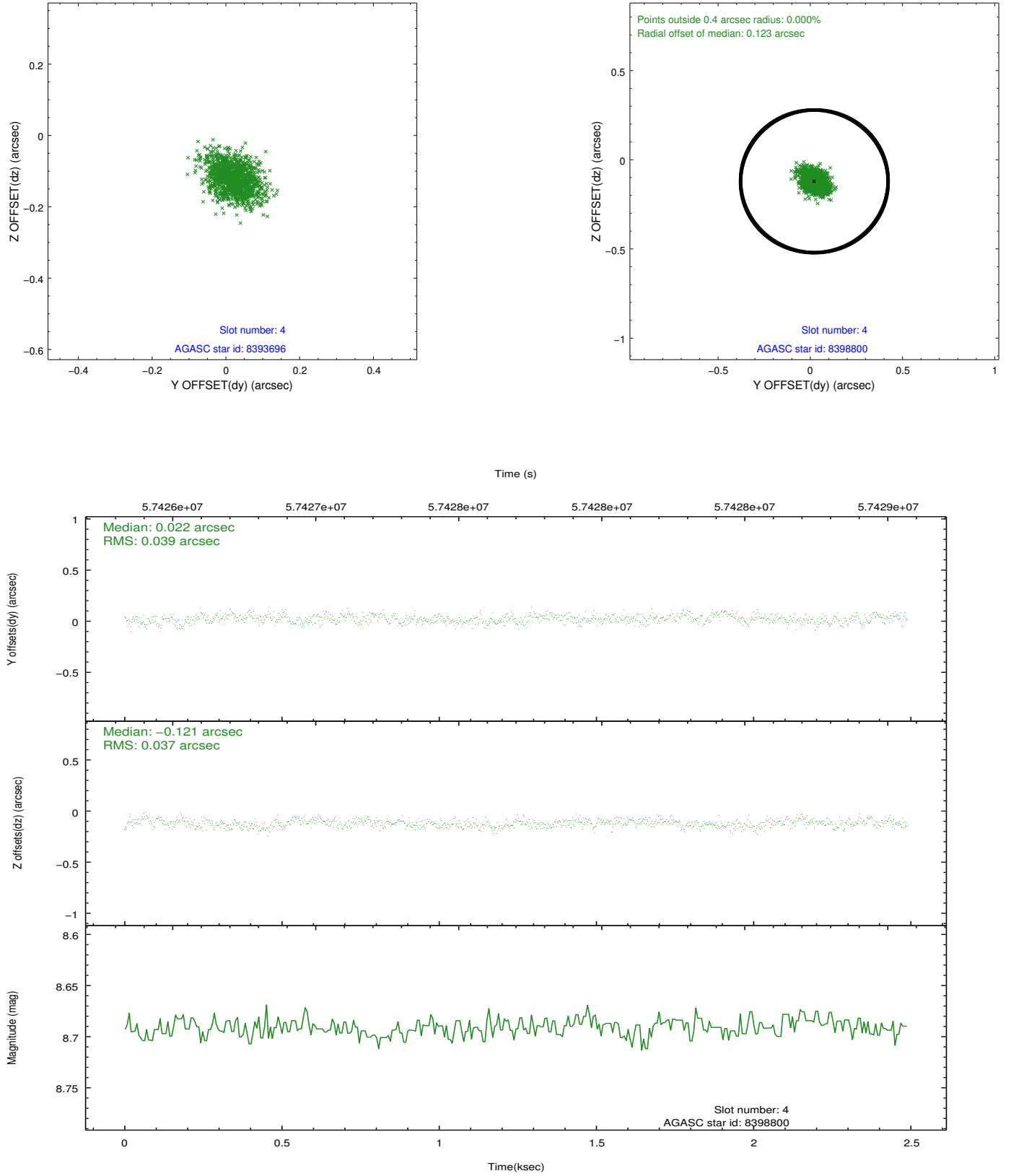
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.99	1215	0.050	-0.063	0.006	0.010	0.000000	0.000000	856.90	-1288.46
1	FID	HRC-I-3	7.04	1215	0.040	-0.014	0.005	0.010	0.000000	0.000000	-1183.58	1016.61
2	FID	HRC-I-4	6.98	1215	0.029	-0.010	0.006	0.010	0.000000	0.000000	1286.01	1016.17
3	GUIDE	8393696	8.41	1215	0.042	0.032	0.053	0.088	53.645666	0.680479	-625.40	1646.74
4	GUIDE	8398800	8.69	1215	0.022	-0.121	0.057	0.095	54.242352	0.922024	1188.50	206.65
5	GUIDE	8390744	9.02	1215	-0.045	-0.076	0.072	0.118	53.677290	0.926294	201.81	1983.40
6	GUIDE	8395104	8.67	1215	-0.094	0.087	0.063	0.101	54.744893	0.796520	1686.76	-1589.78
7	GUIDE	8395504	9.76	1213	0.075	0.083	0.100	0.157	54.466573	0.973564	1749.41	-406.90

2.4 Star Slots

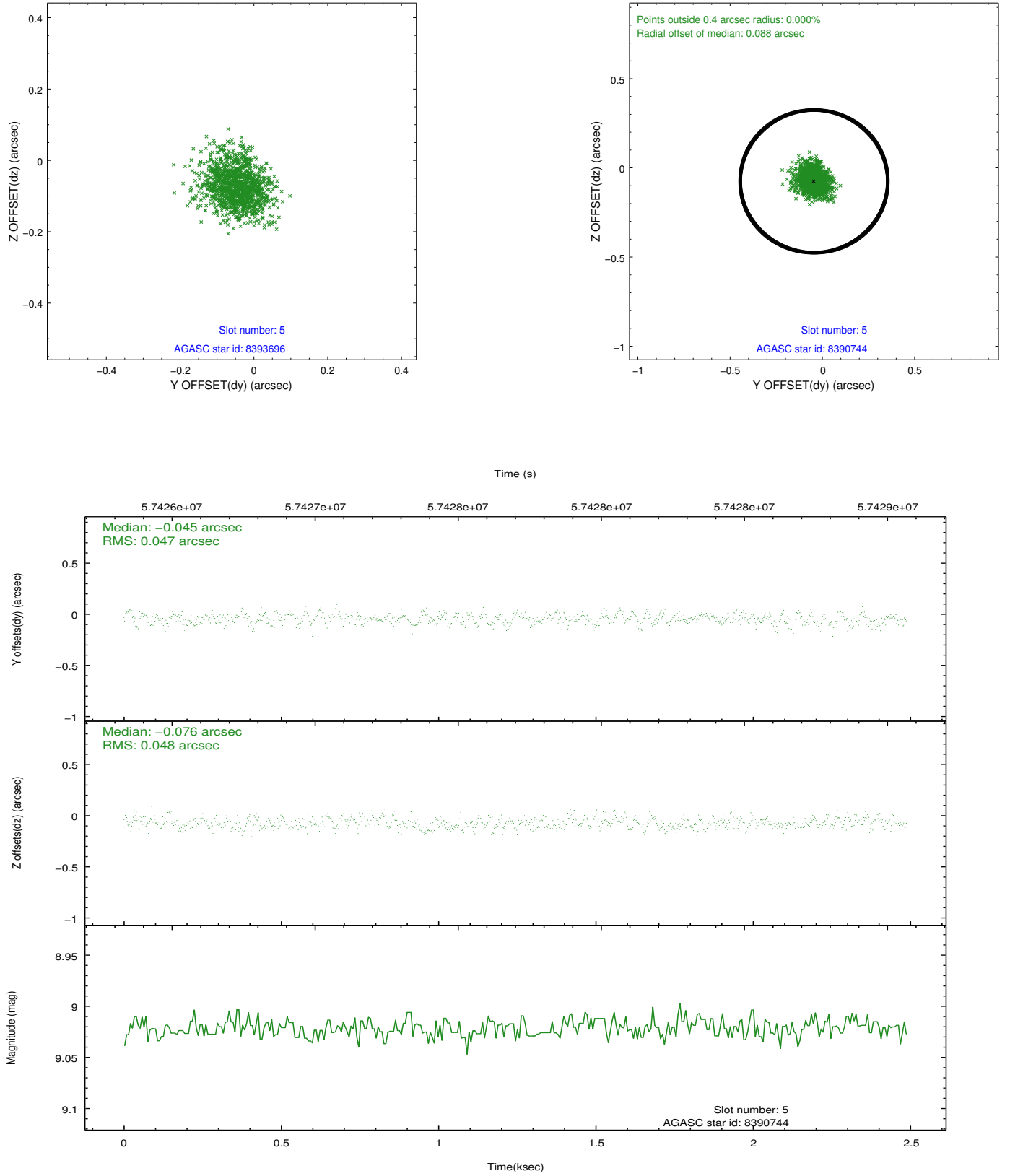
2.4.1 Slot 3



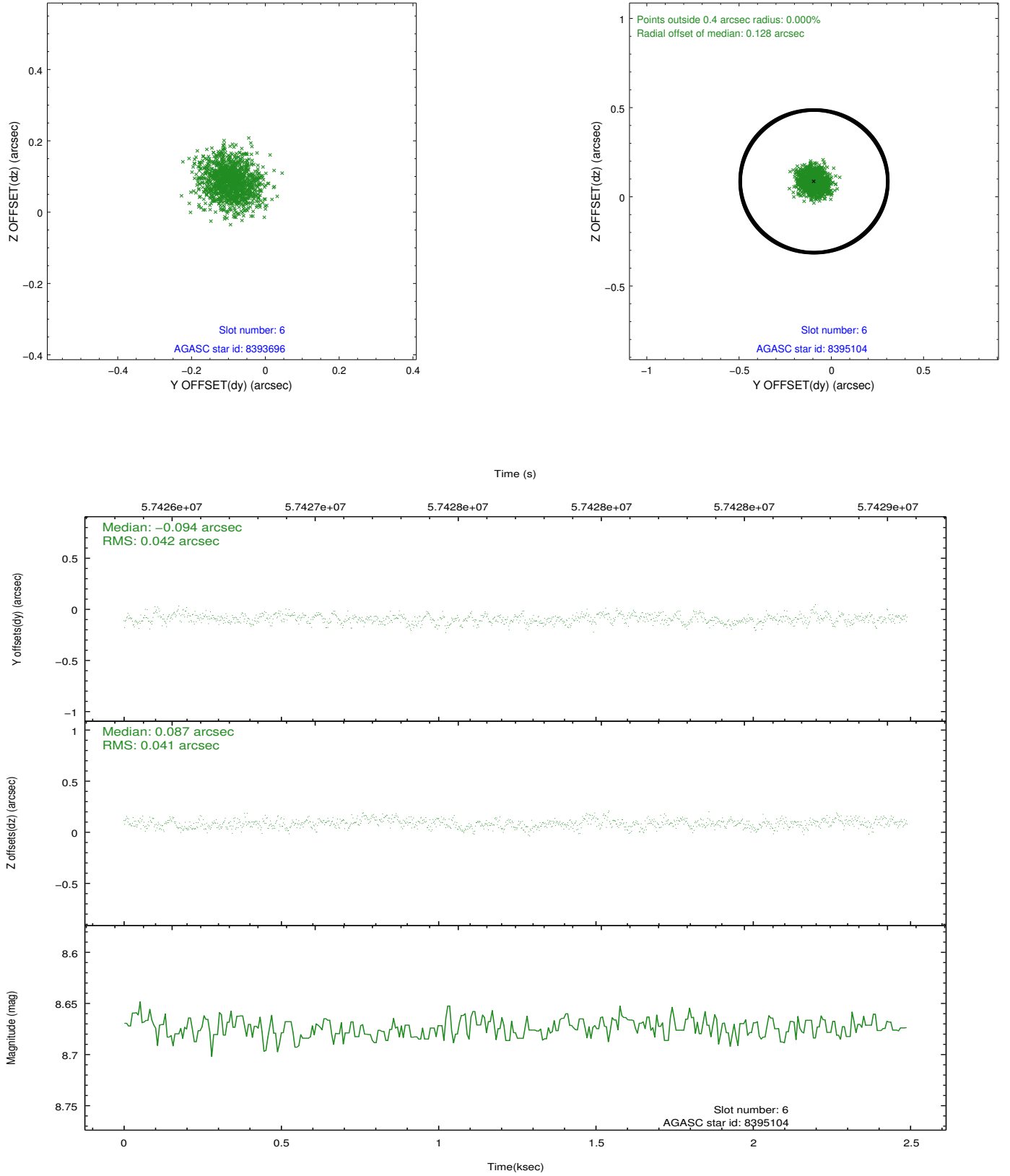
2.4.2 Slot 4



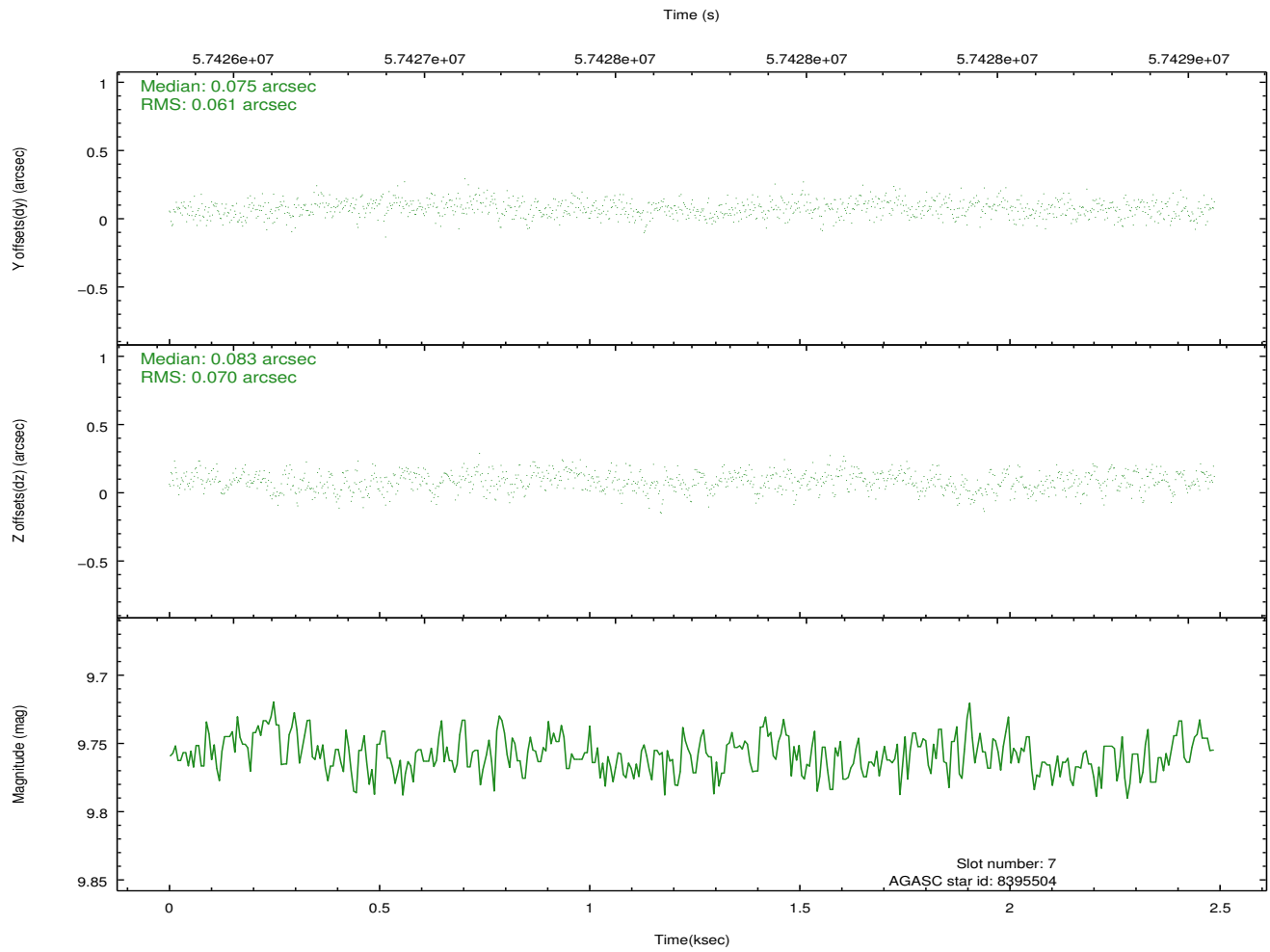
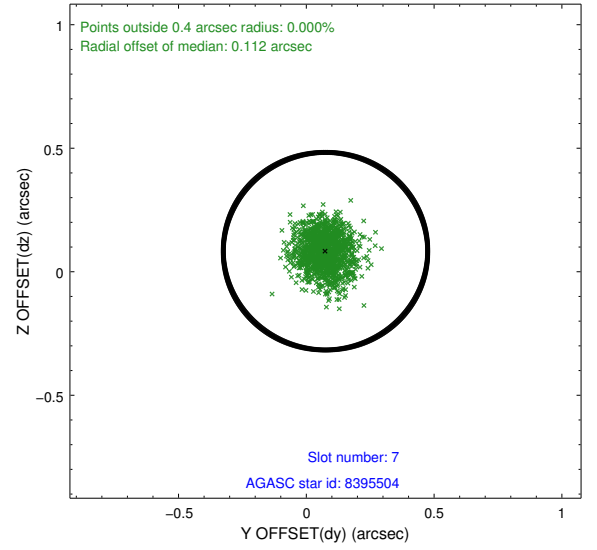
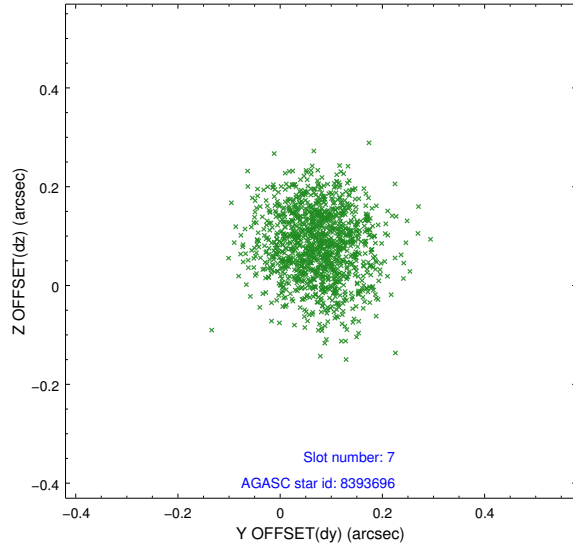
2.4.3 Slot 5



2.4.4 Slot 6

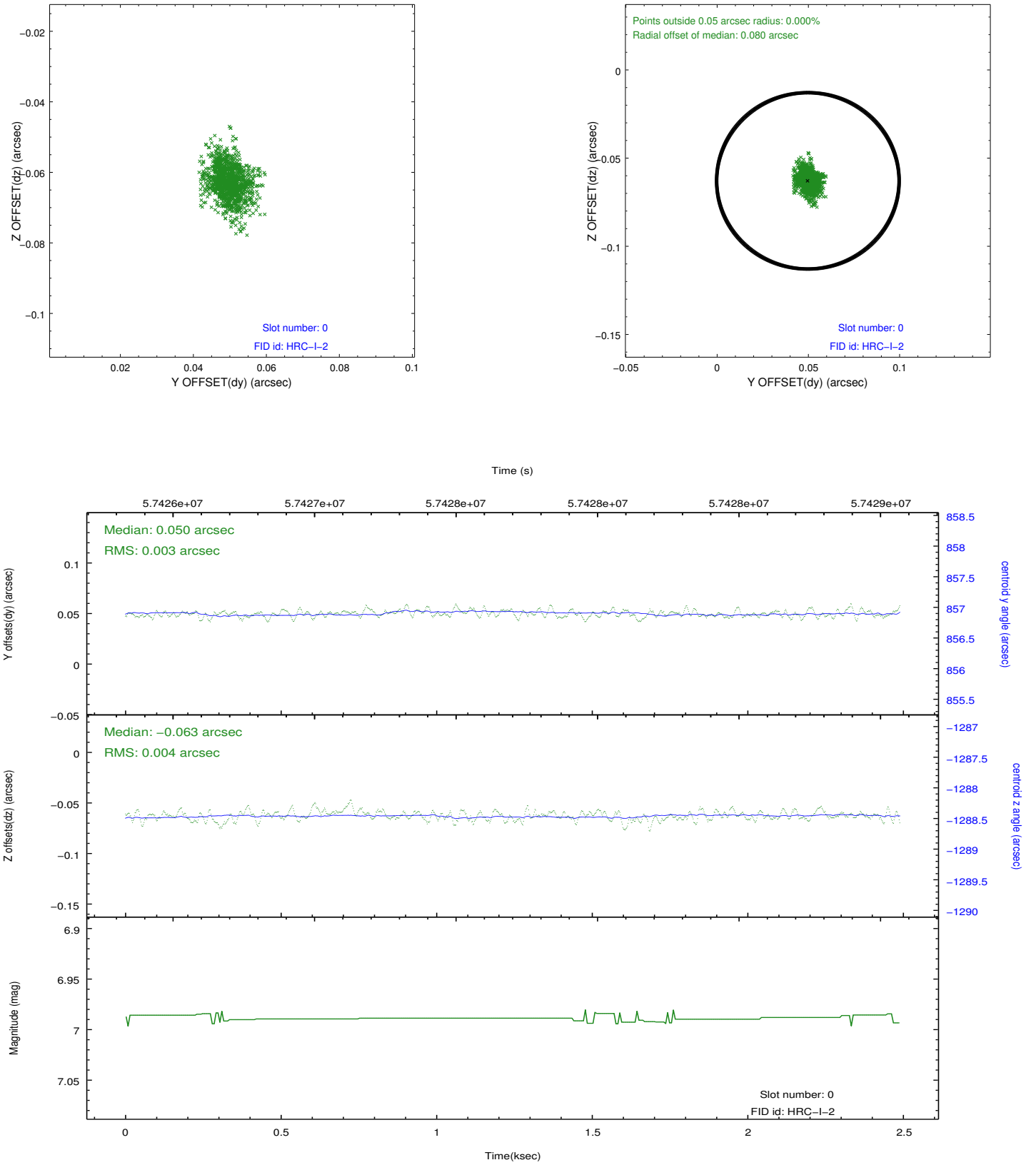


2.4.5 Slot 7

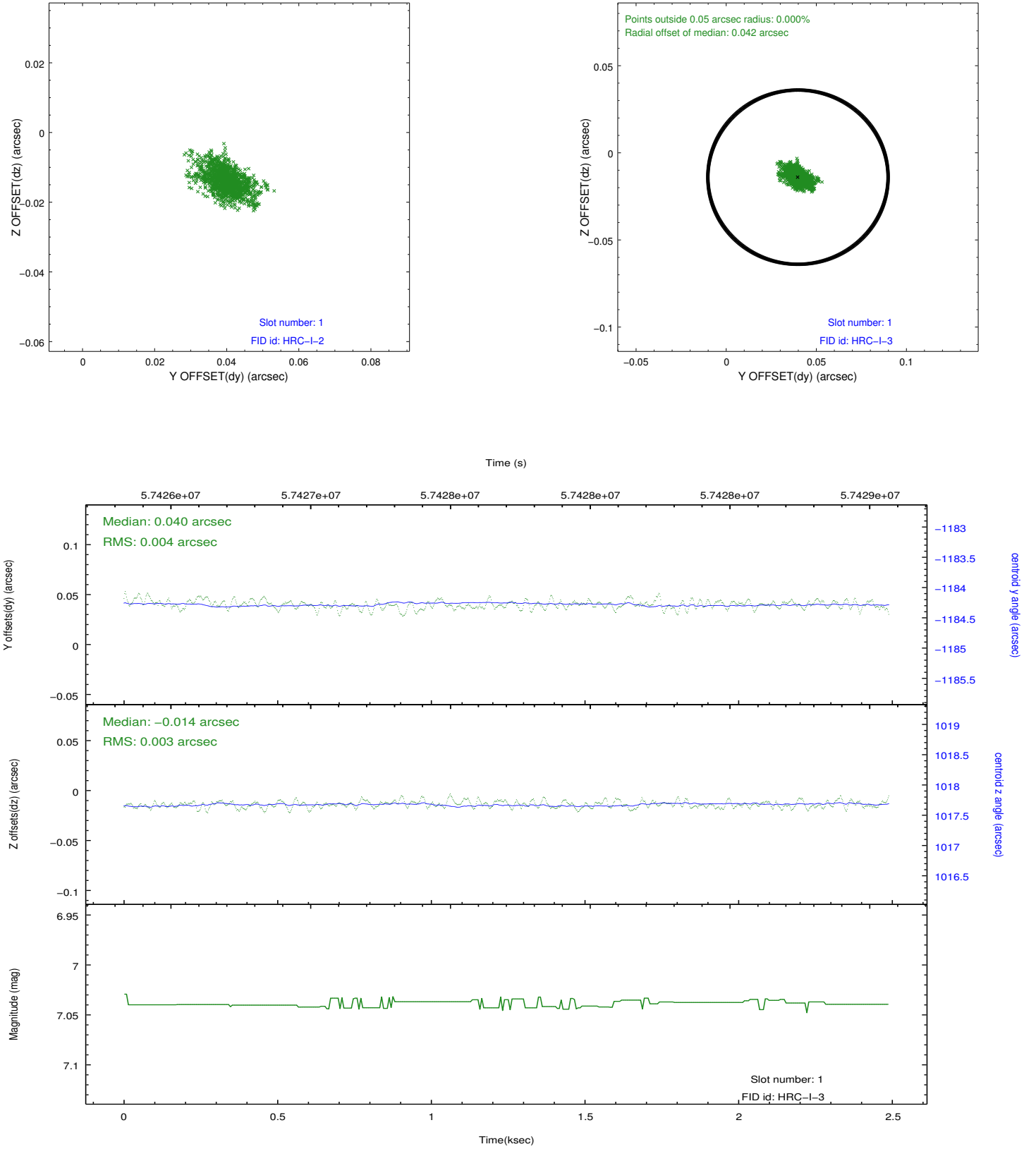


2.5 FID Slots

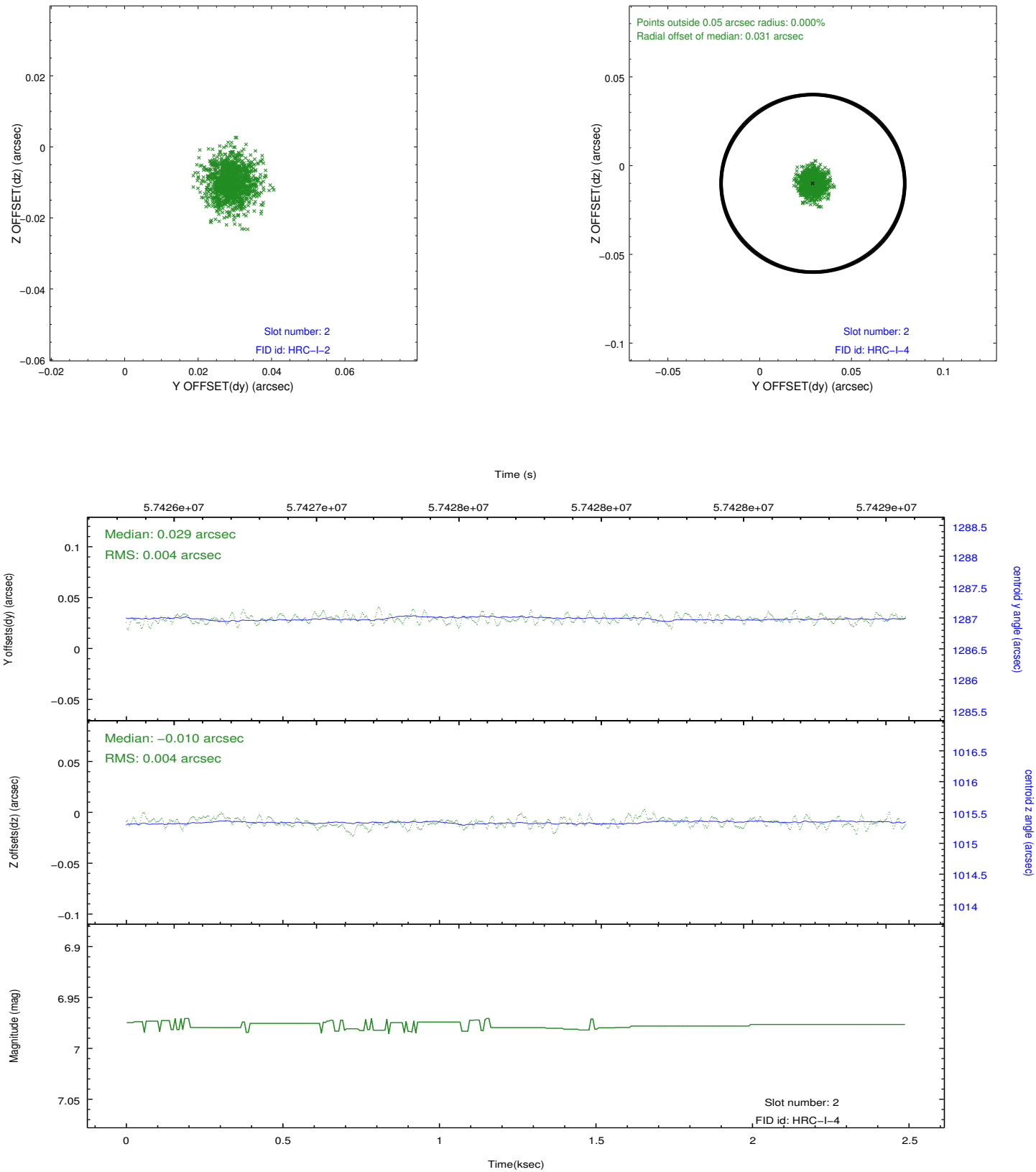
2.5.1 Slot 0



2.5.2 Slot 1

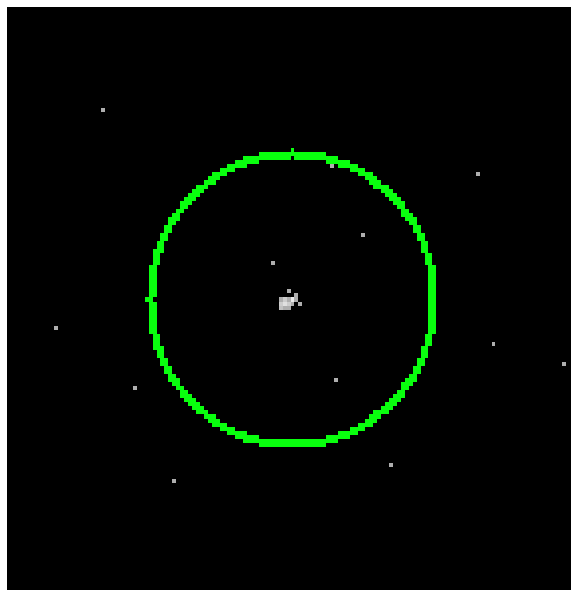


2.5.3 Slot 2

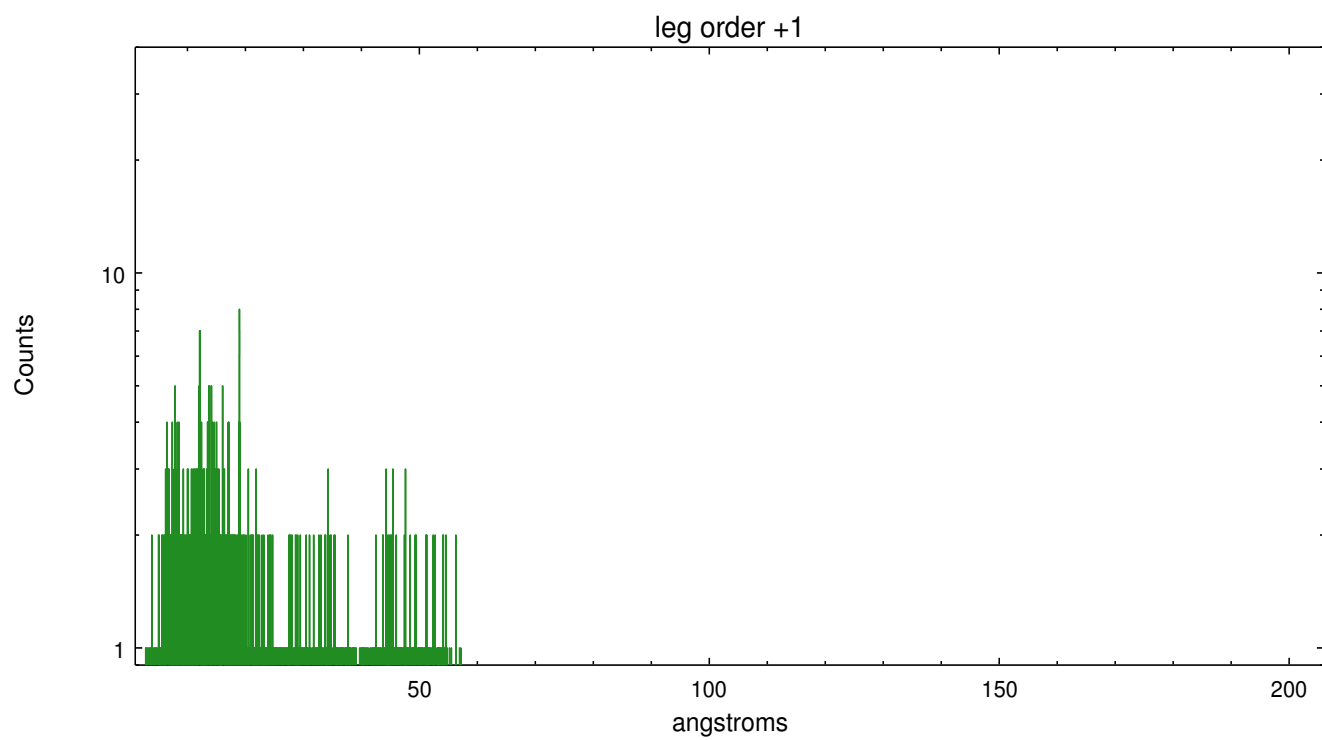
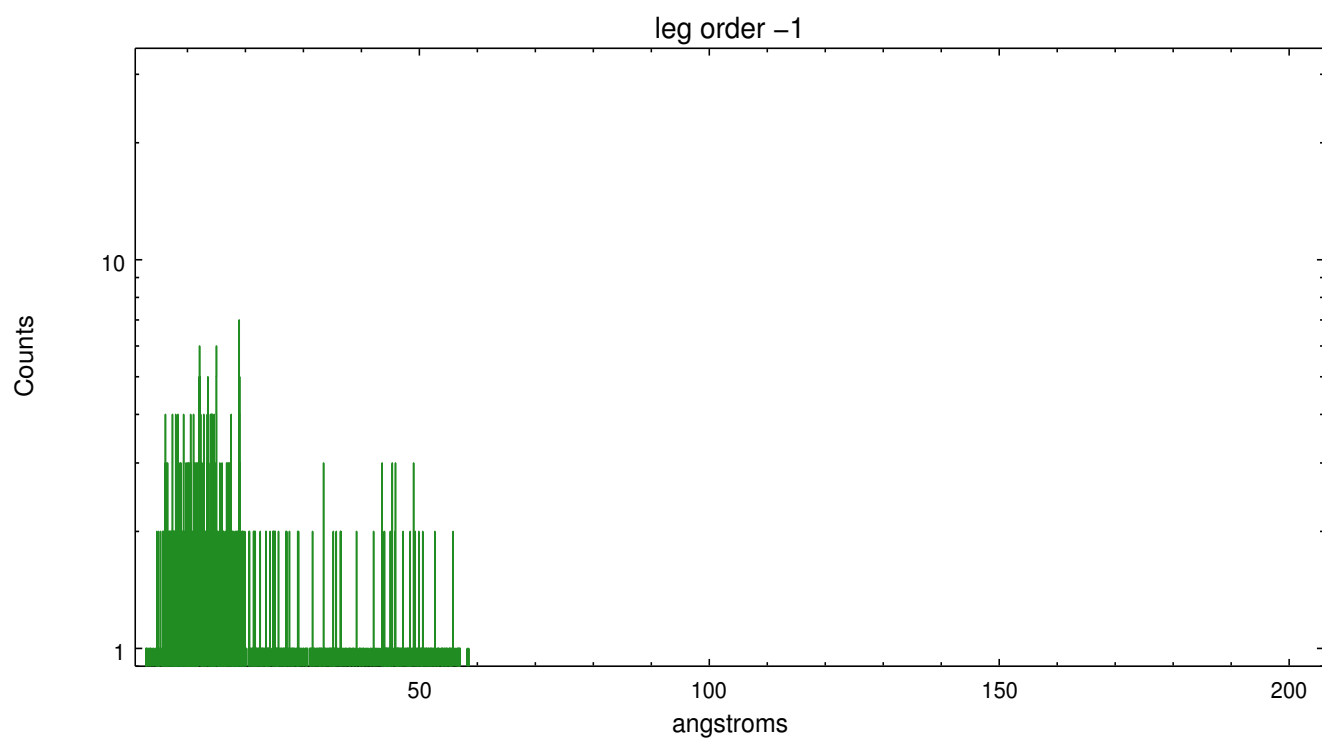


3 Gratings

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	2.273

A.2 Comments

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