

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1394 - L2 Version 4

Chandra X-Ray Center

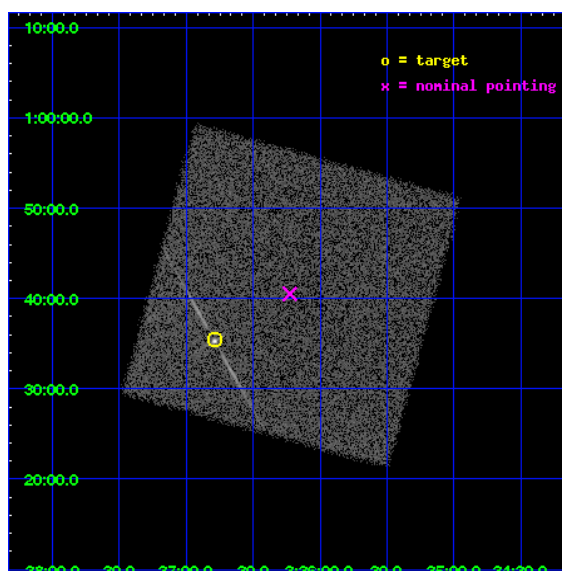
L2 Processing Date : Nov 20 2009

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1 Front

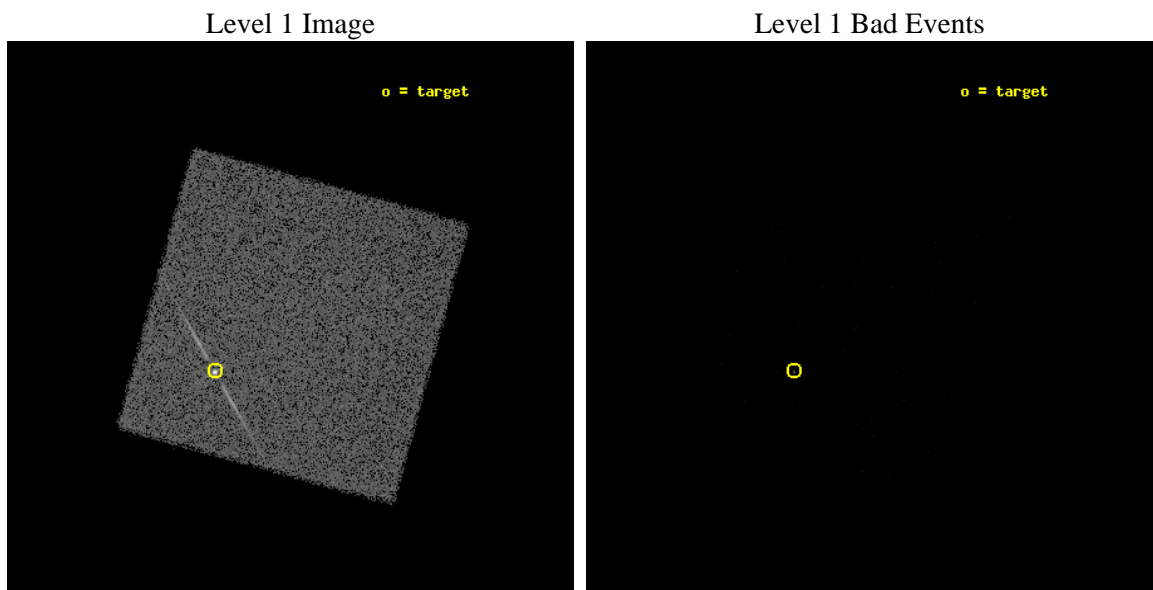
seq_num	280344	Sequence number
obs_id	1394	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.056290959824	Nominal RA
dec_nom	0.67538980823808	Nominal Dec
roll_nom	60.362651161844	Nominal Roll
revision	4	Processing version of data
ontime	2276.7813311219	[s]
livetime	2262.2551454422	Ontime multiplied by DTCOR
l2events	69814	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	2276.7813321277	[s]
caldbver	4.1.4	 	l1events	108780	Number of level 1 events
date	2009-11-20T16:55:47	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

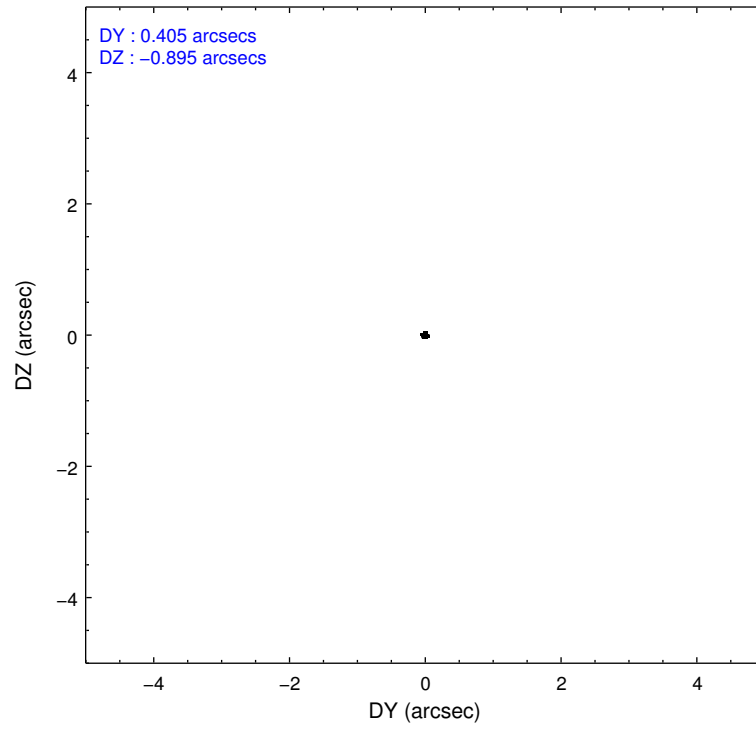
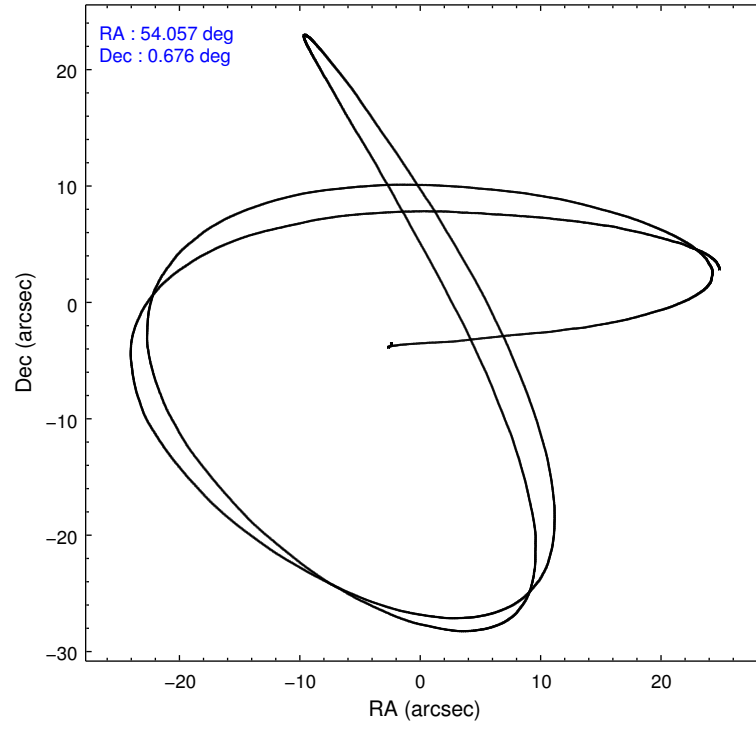
Level 1 Events

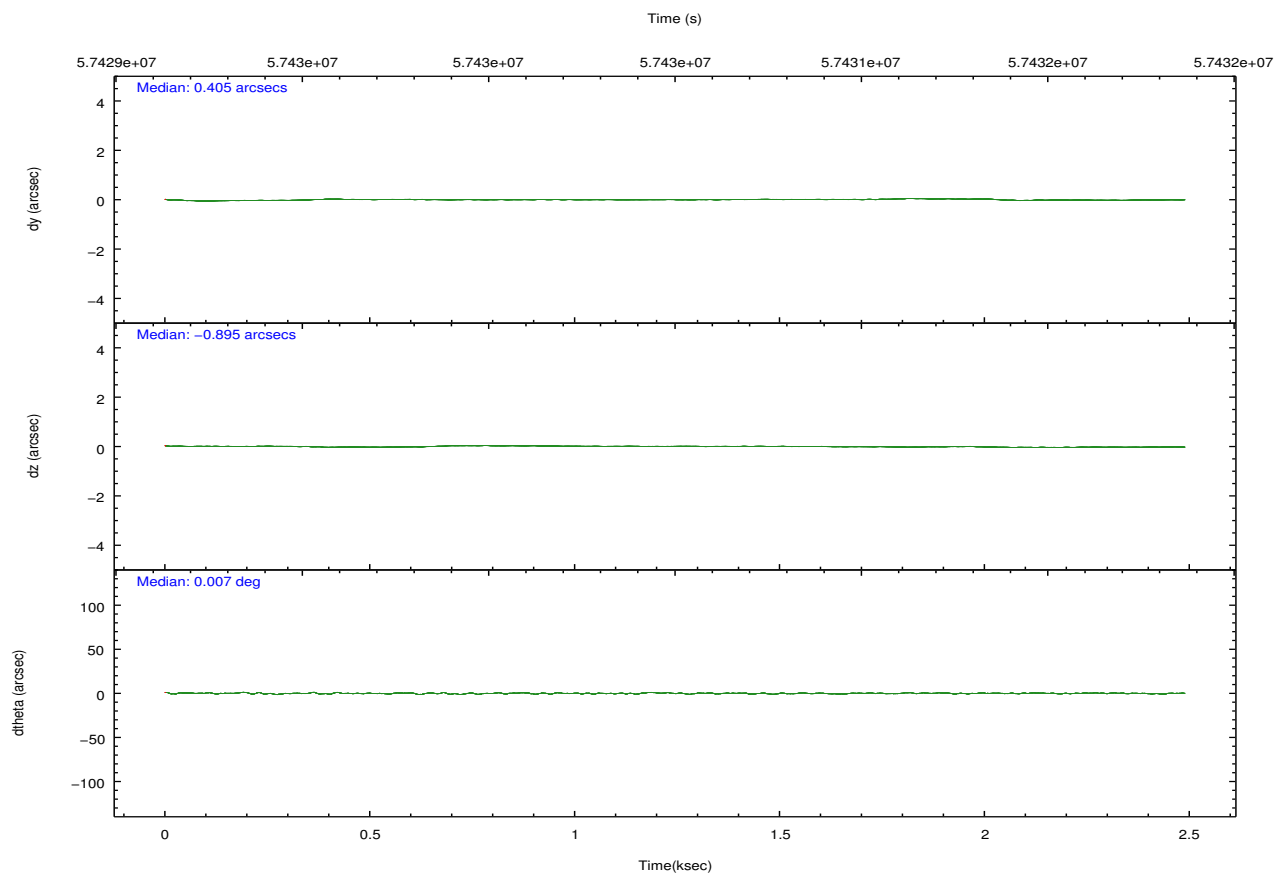
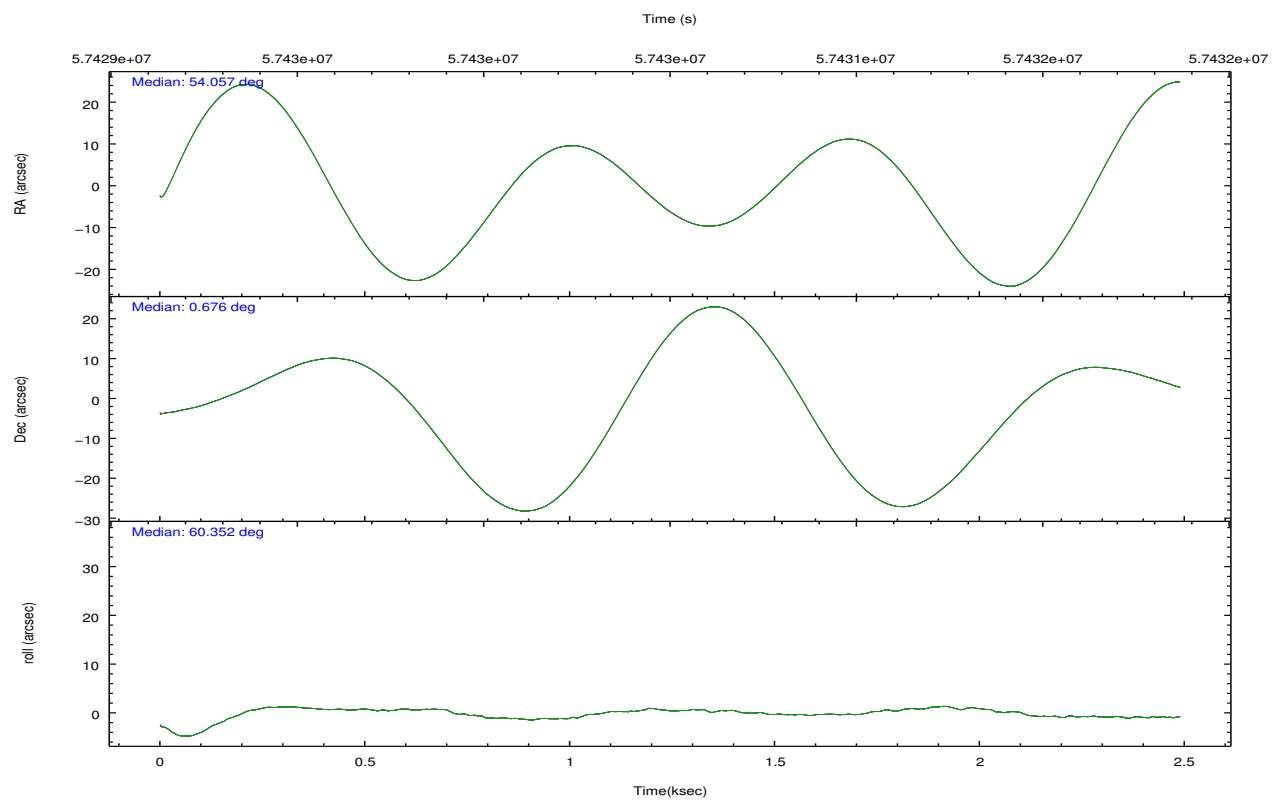
	segment 0
level 1 events	108780
rejected events	2327
rejected %	2%

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	54.056173	54.05629095982371			
Pointing Dec	0.647603	0.6753898082380846			
Pointing Roll	60.458130	60.36265116184413			
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	57429745.184000	57429079.04383			
Observation start date	1999-10-27T16:41:21	1999-10-27T16:31:19			
Observation end time	57431745.184000	57431879.343931			
Observation end date	1999-10-27T17:14:41	1999-10-27T17:17:59			

2.3 Aspect



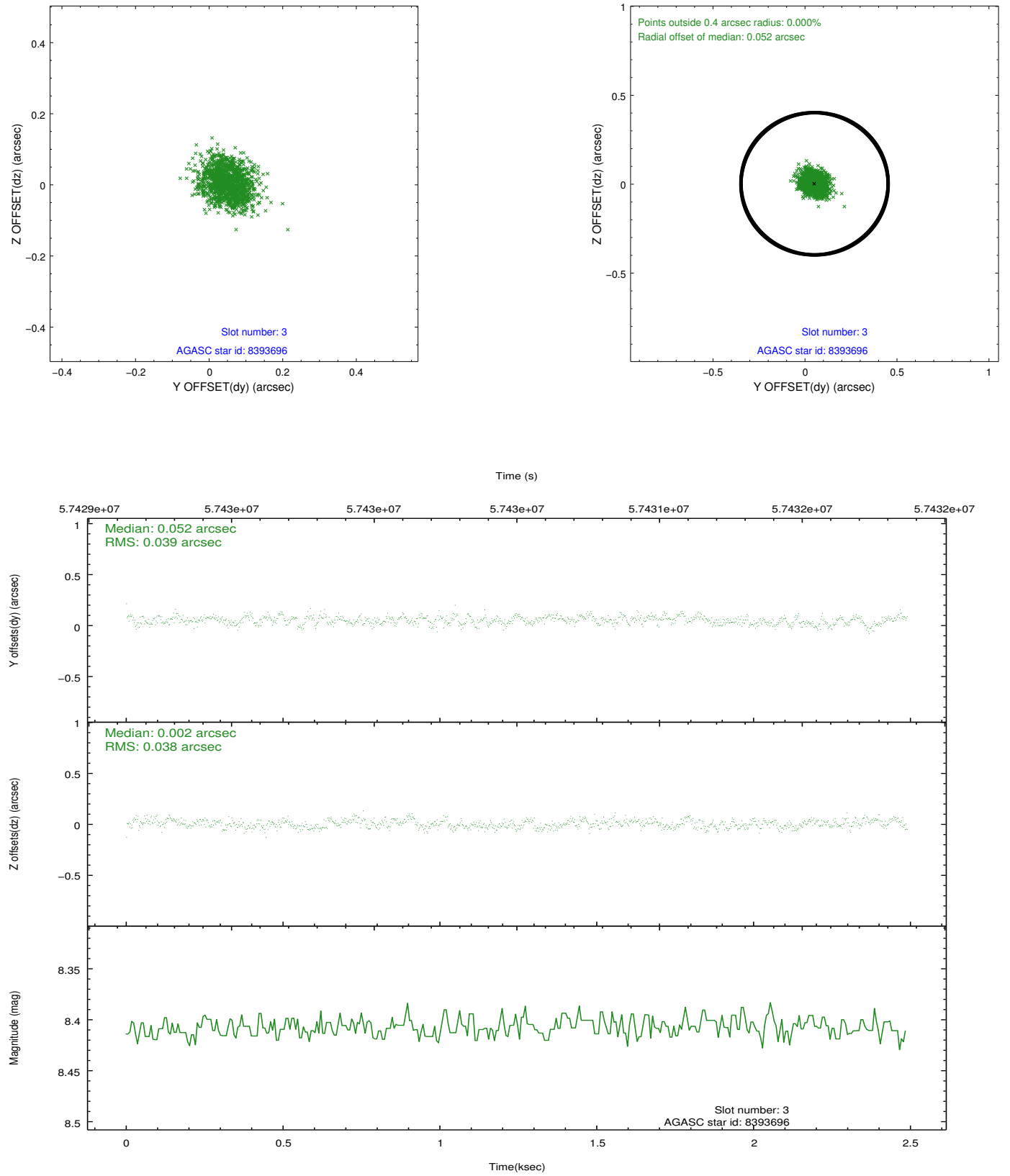


Slot Statistics

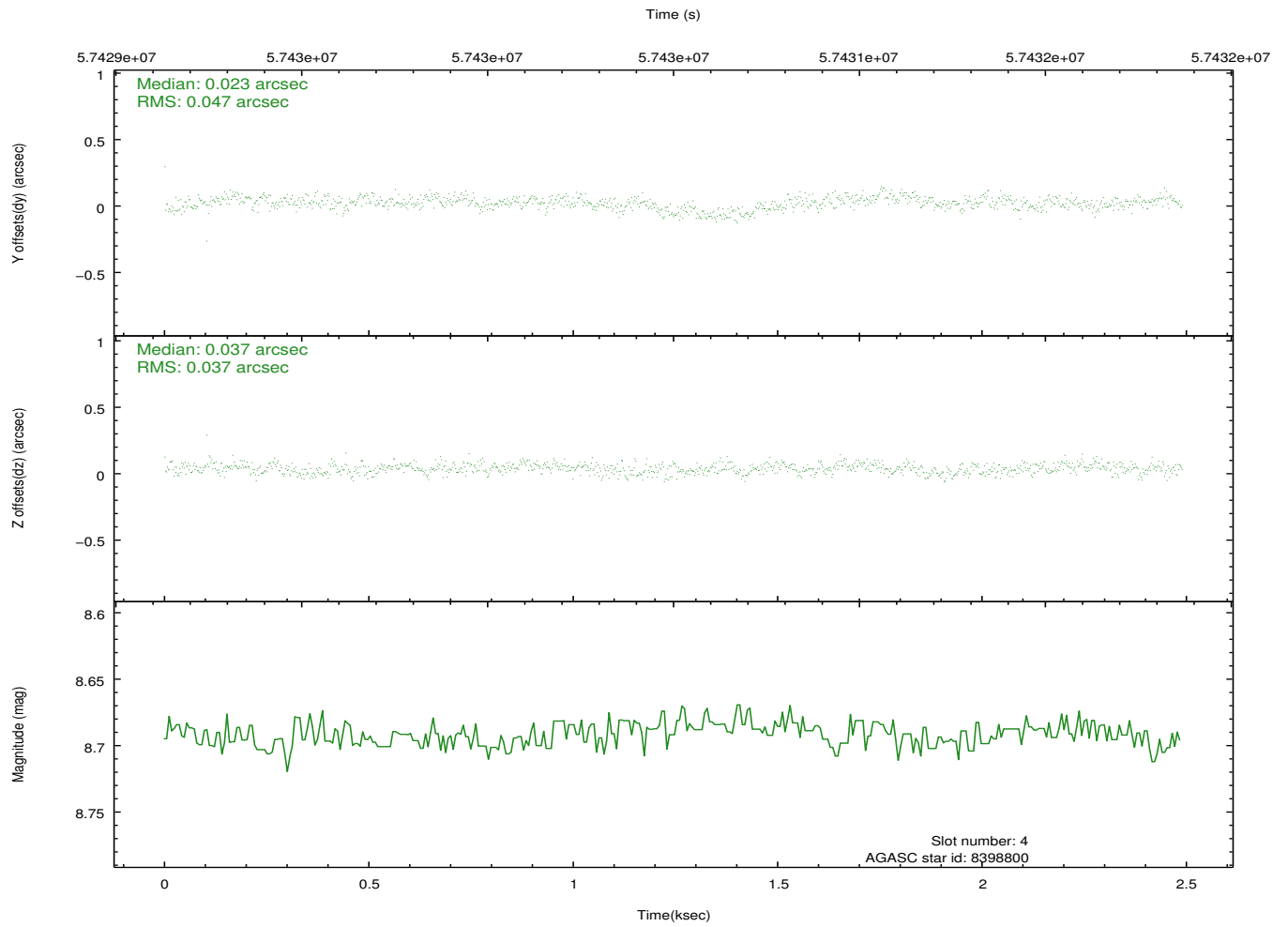
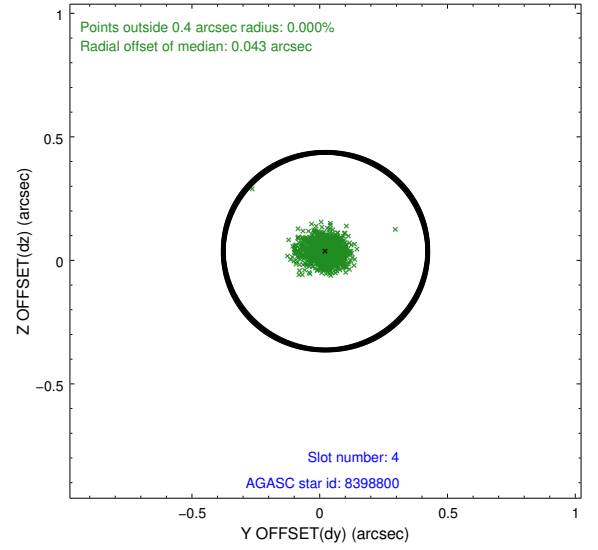
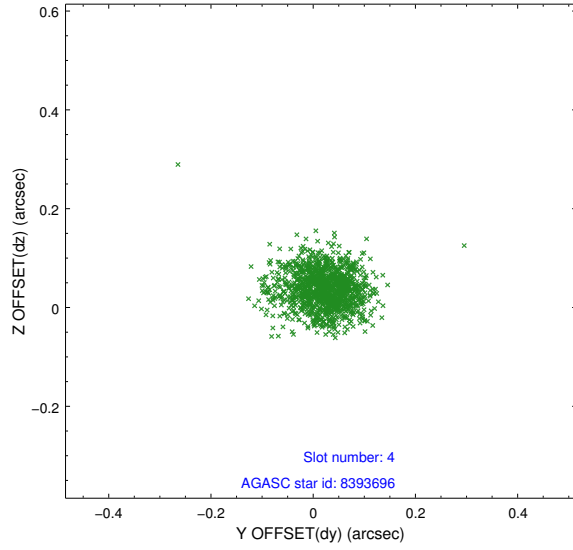
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1215	0.039	-0.011	0.005	0.009	0.000000	0.000000	-755.75	-1286.80
1	FID	HRC-I-3	7.04	1215	0.043	-0.043	0.006	0.010	0.000000	0.000000	-1184.90	1016.67
2	FID	HRC-I-4	6.98	1215	0.031	-0.036	0.005	0.008	0.000000	0.000000	1286.02	1016.22
3	GUIDE	8393696	8.41	1215	0.052	0.002	0.059	0.090	53.645666	0.680479	-627.12	1346.12
4	GUIDE	8398800	8.69	1215	0.023	0.037	0.061	0.104	54.242352	0.922024	1188.10	-92.34
5	GUIDE	8390744	9.02	1215	-0.047	-0.081	0.081	0.125	53.677290	0.926294	199.75	1683.32
6	GUIDE	8395104	8.67	1215	-0.078	0.033	0.068	0.106	54.744893	0.796520	1688.06	-1888.52
7	GUIDE	8395504	9.76	1214	0.060	0.017	0.110	0.173	54.466573	0.973564	1749.59	-705.60

2.4 Star Slots

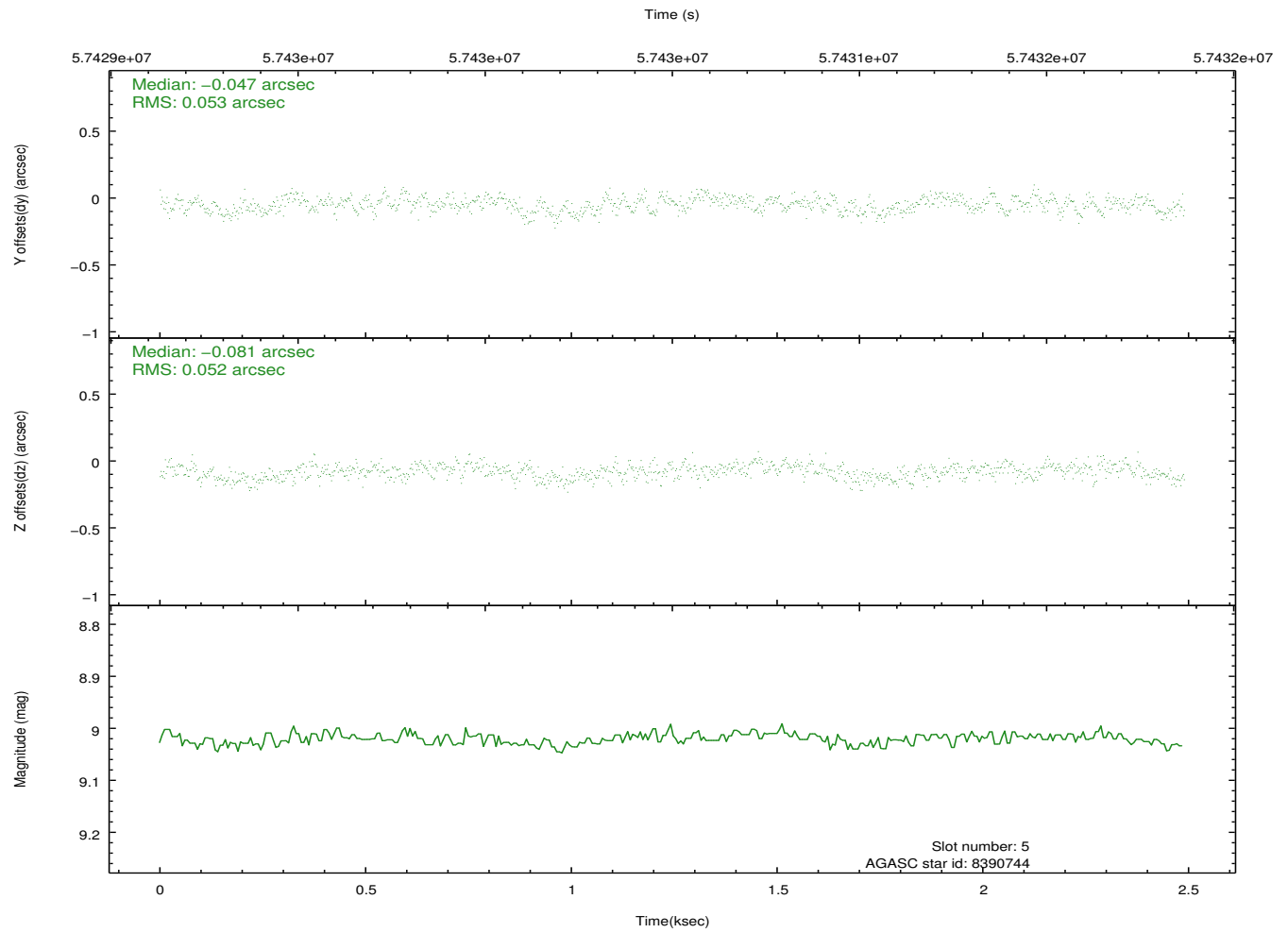
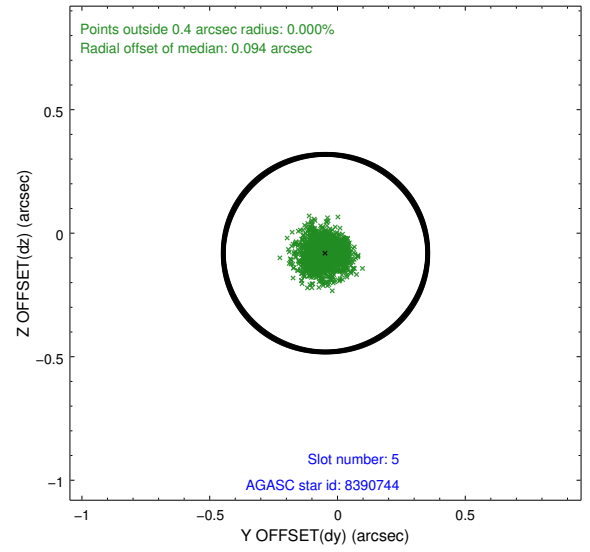
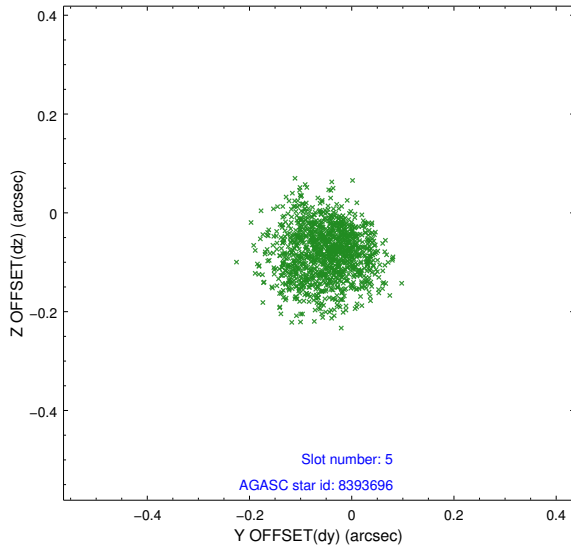
2.4.1 Slot 3



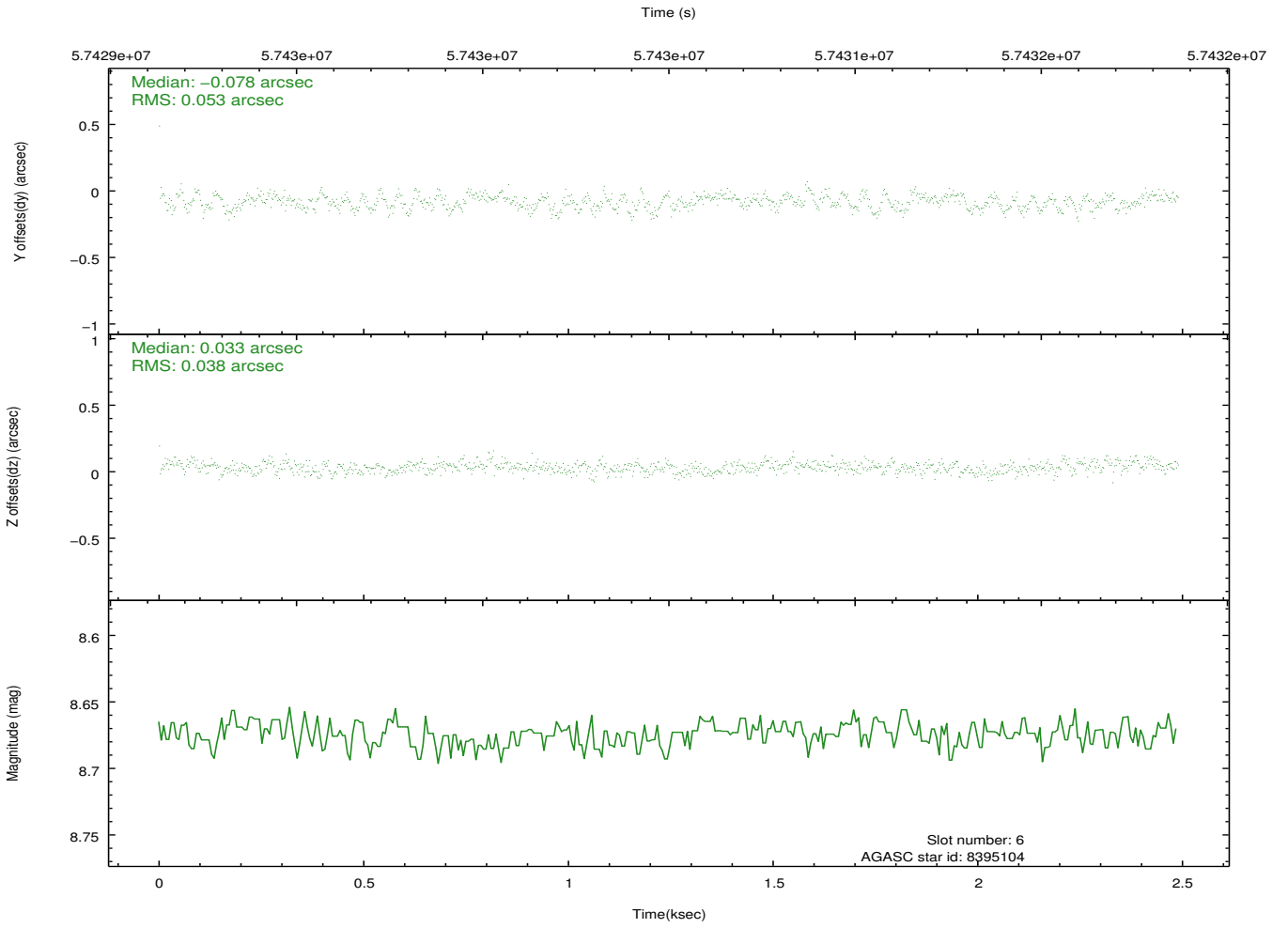
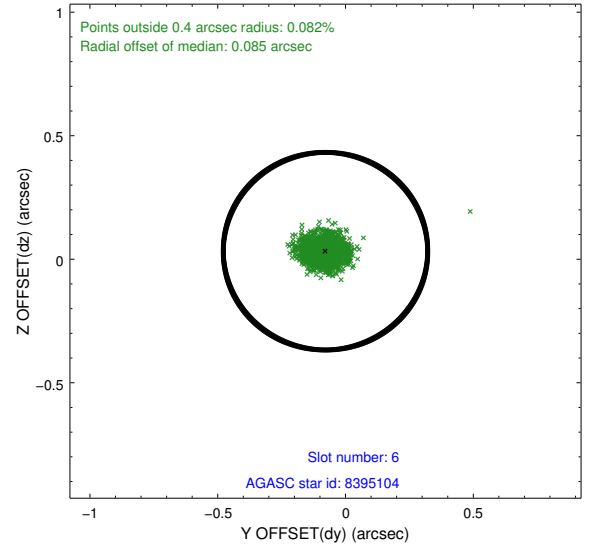
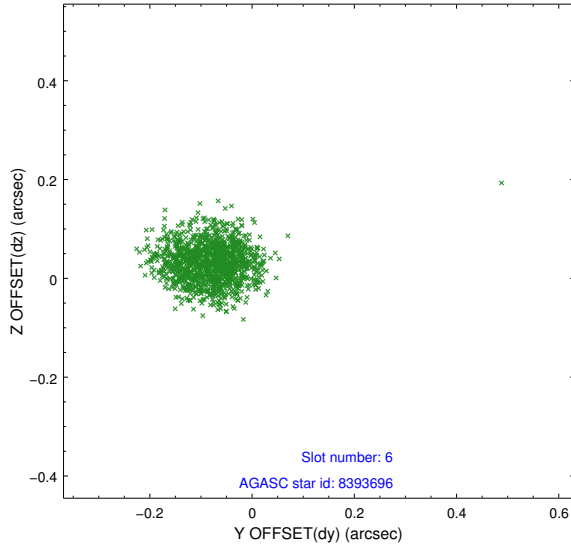
2.4.2 Slot 4



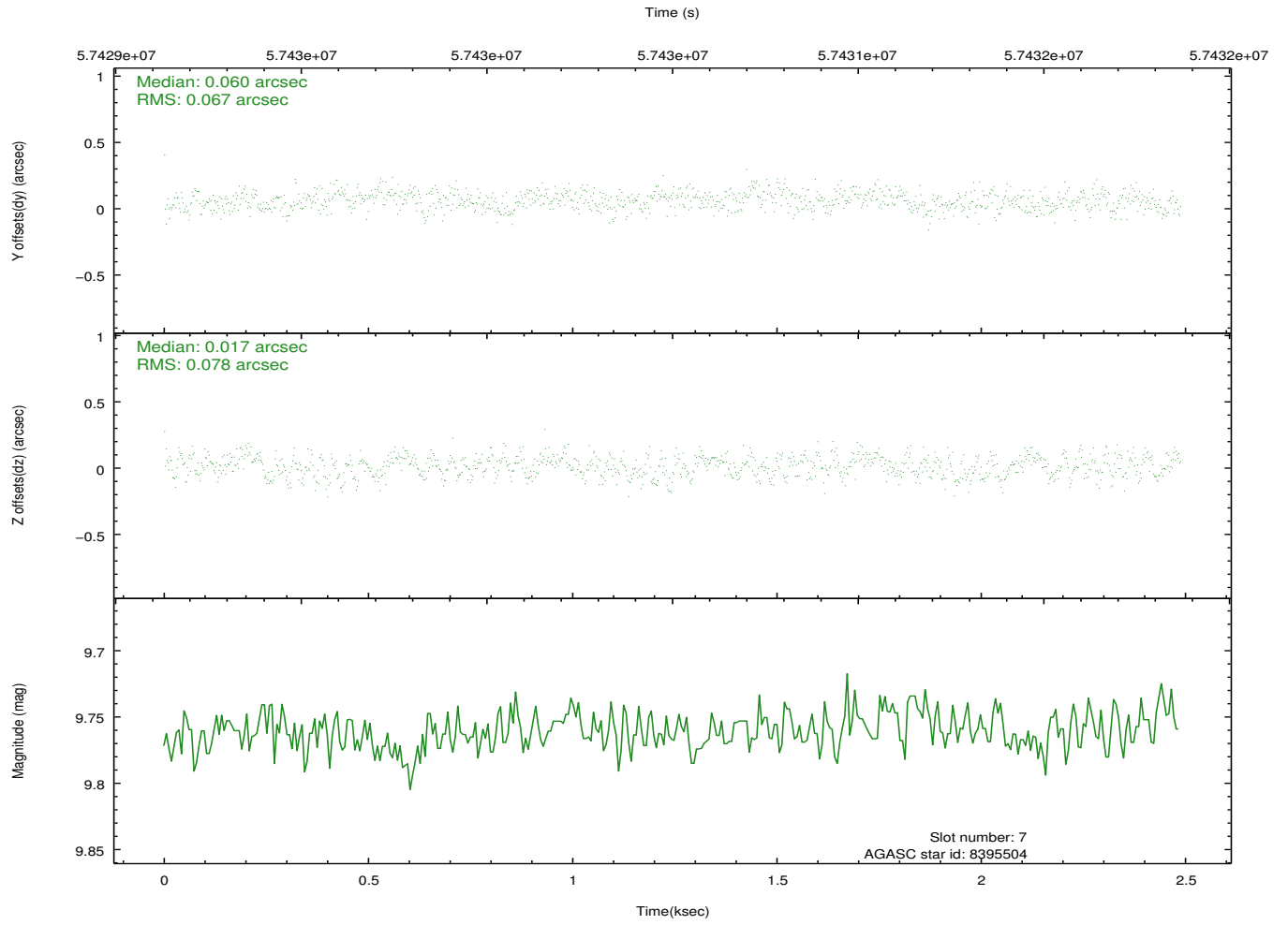
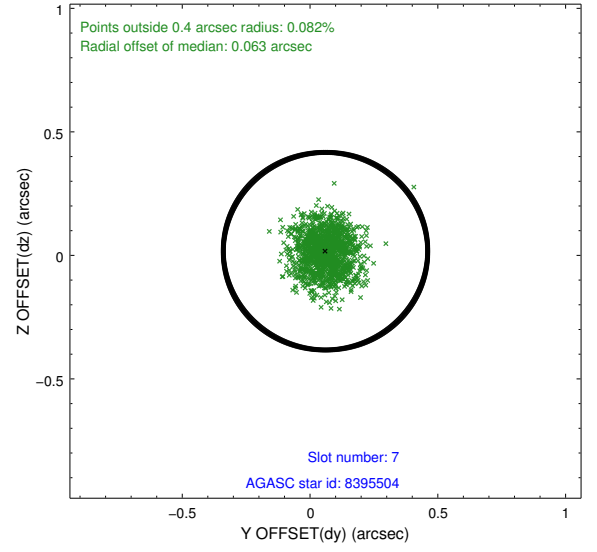
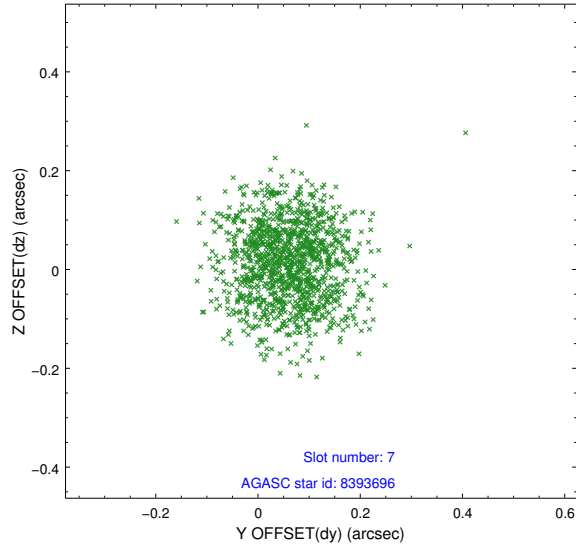
2.4.3 Slot 5



2.4.4 Slot 6

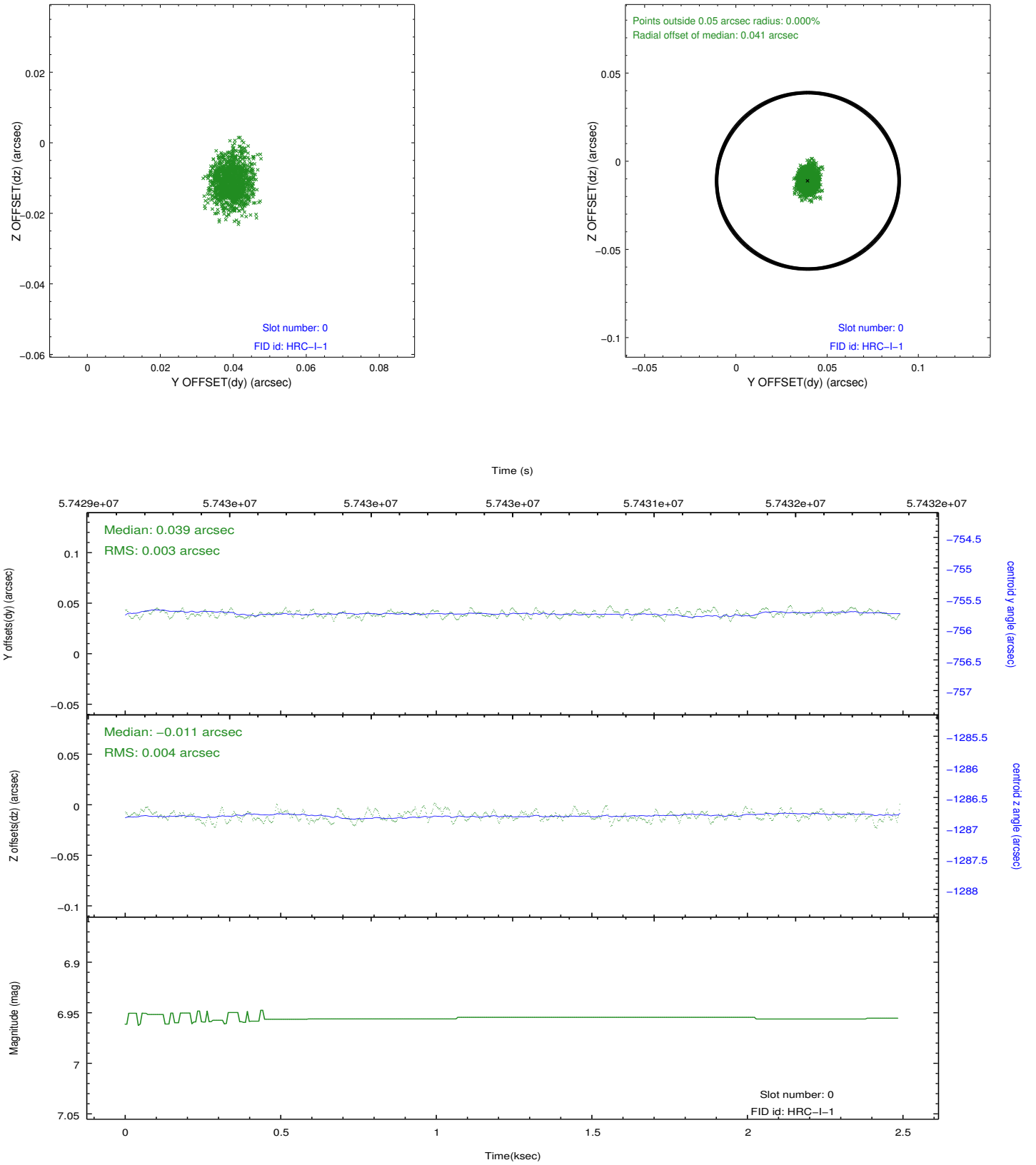


2.4.5 Slot 7

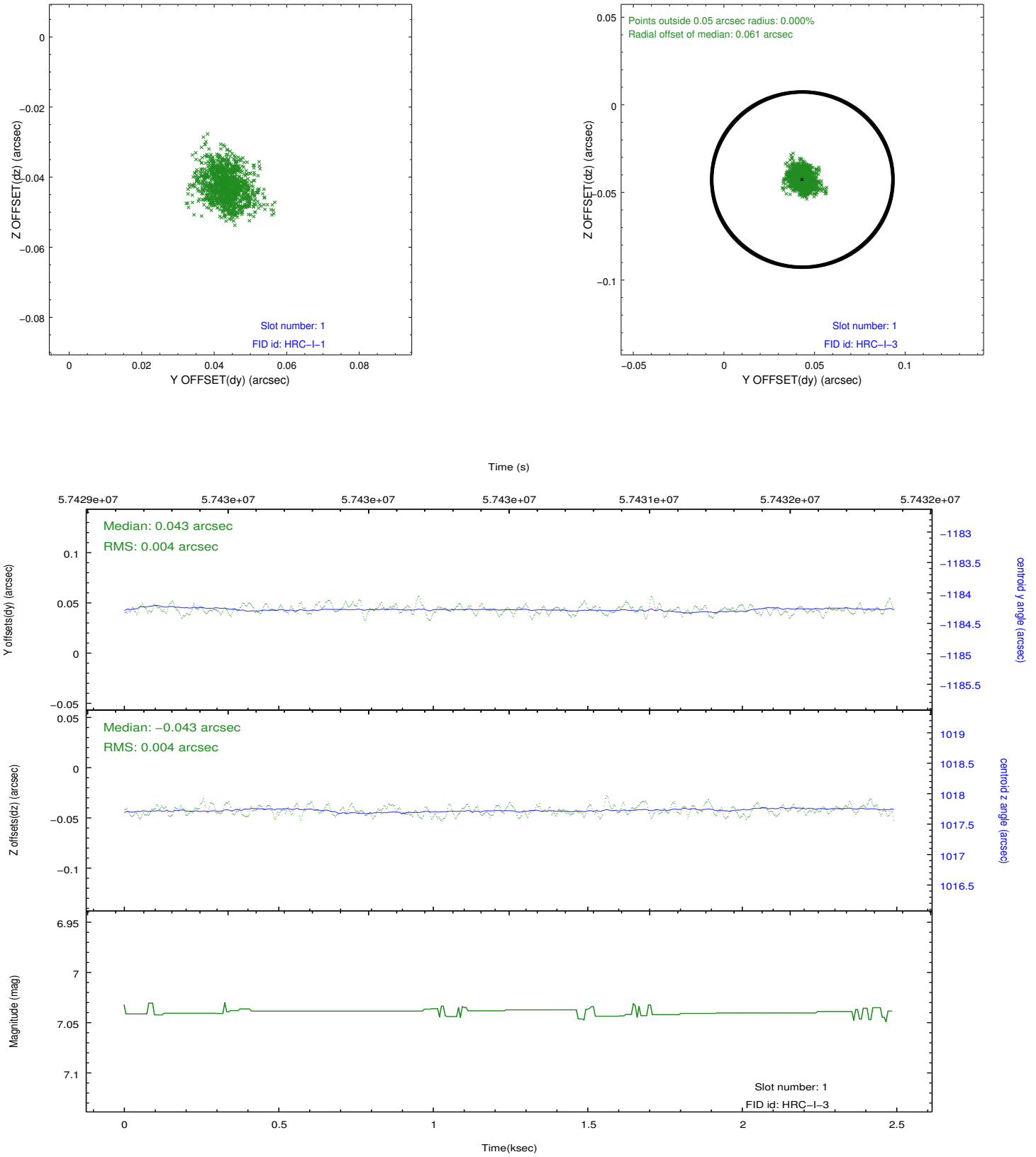


2.5 FID Slots

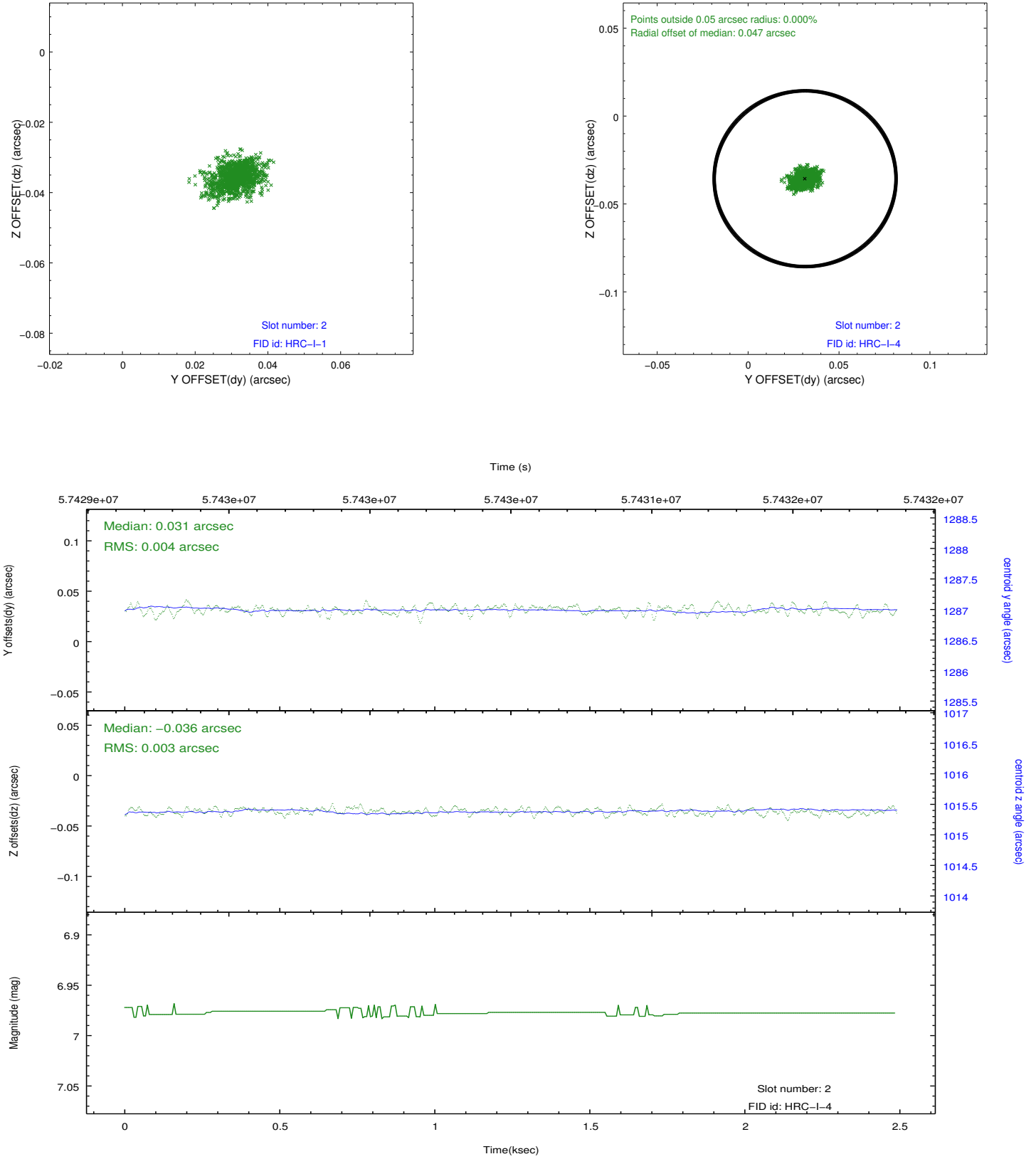
2.5.1 Slot 0



2.5.2 Slot 1

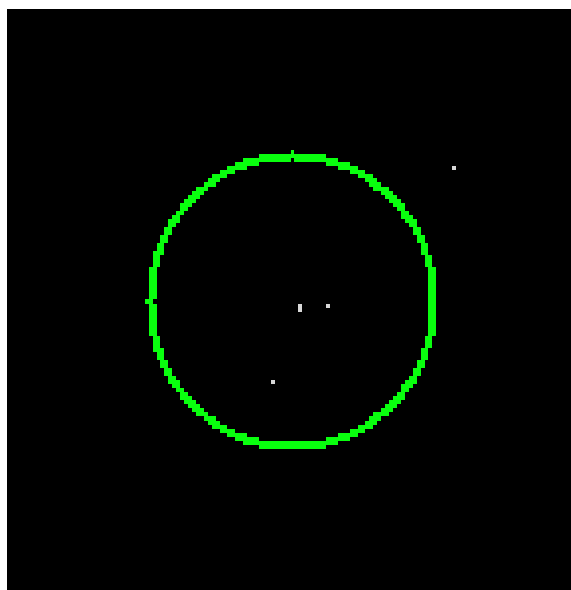


2.5.3 Slot 2

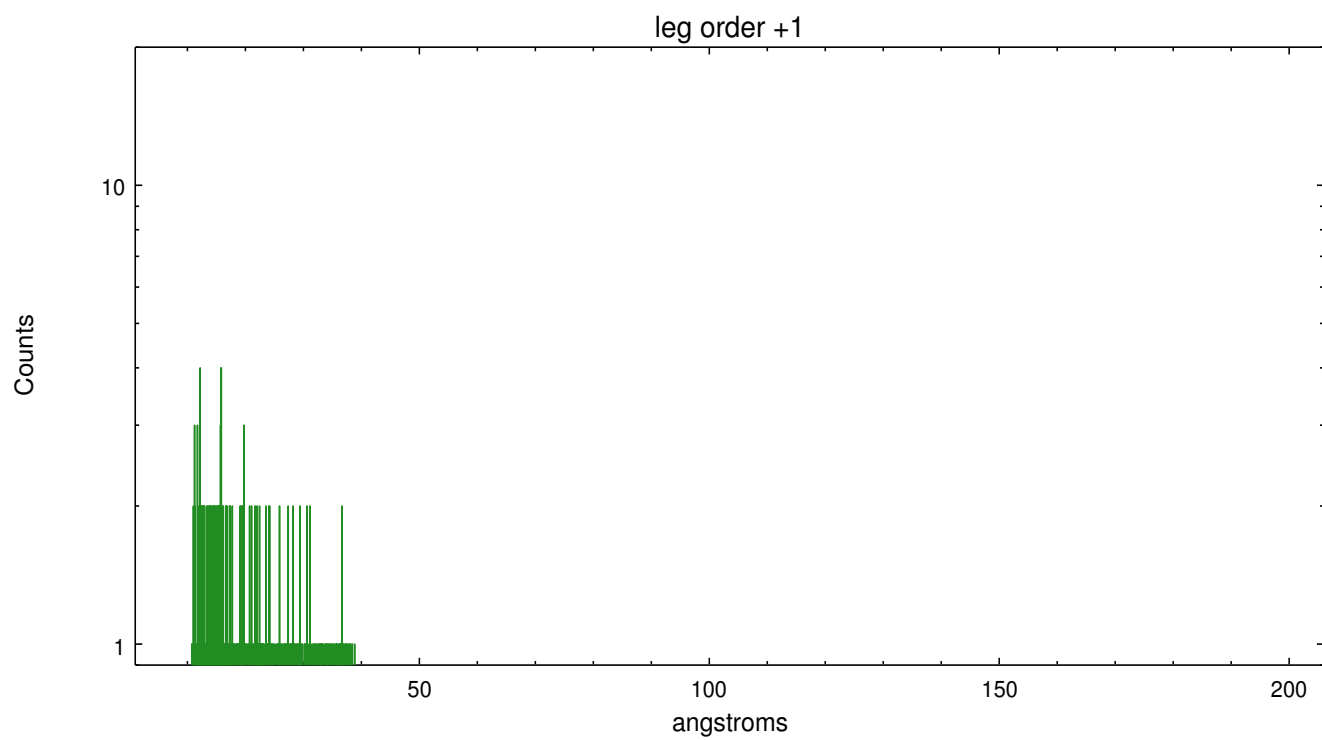
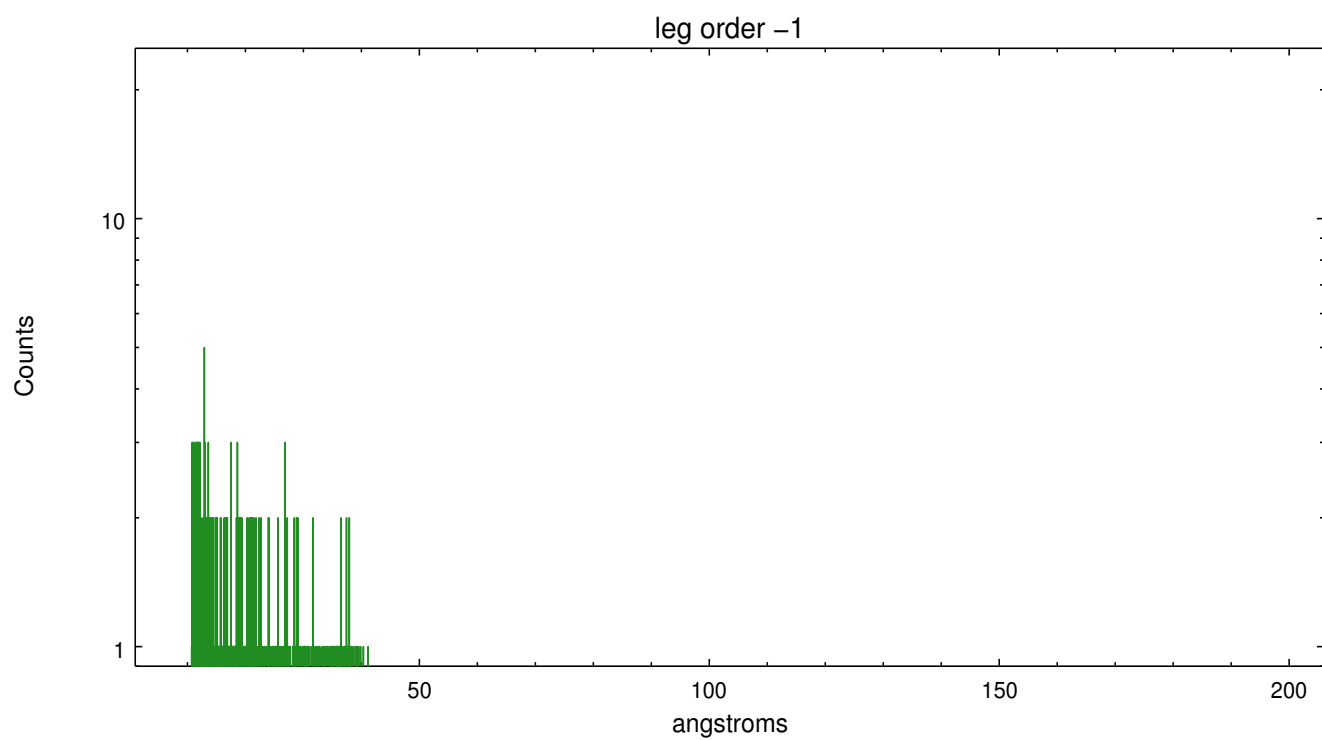


3 Gratings

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 very off-axis in the cross-dispersion direction.

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Charge time for this ObsId remains at original value of 2.274 ks, although with the current processing the charge time would have been 2.277 ksec.