

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1514 - L2 Version 6
Chandra X-Ray Center

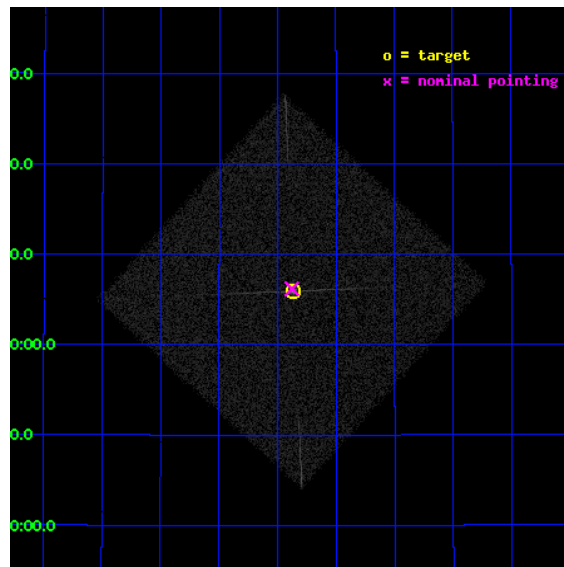
L2 Processing Date : Aug 21 2012

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1 Front

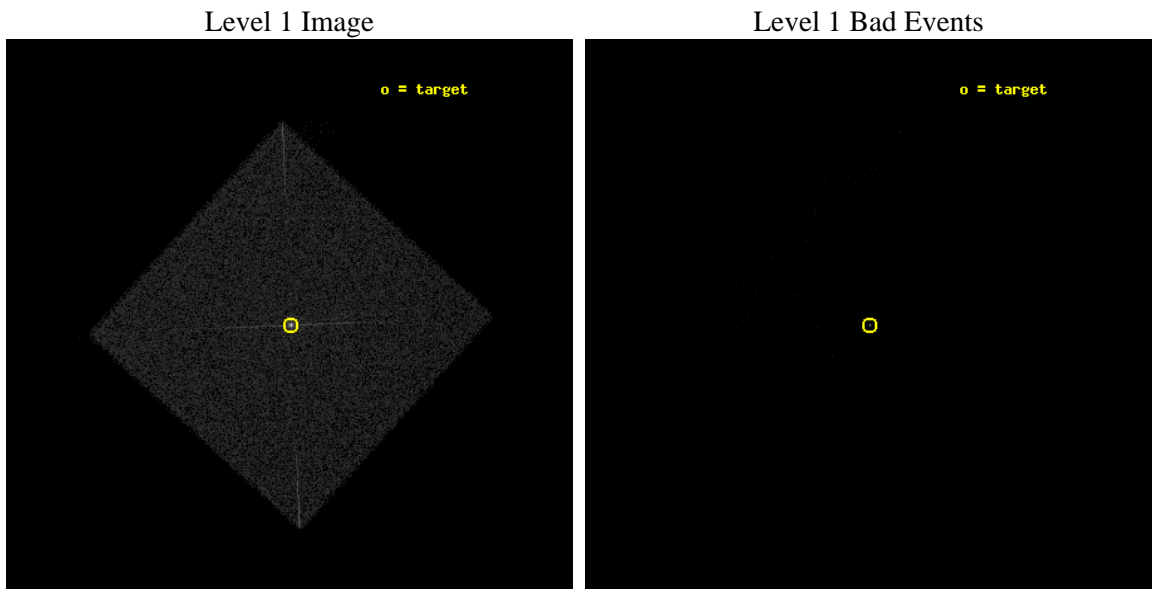
seq_num	280464	Sequence number
obs_id	1514	Observation id
title	GRATINGS CALIBRATION OBSERVATIONS OF A SOFT CONTINUUM: HZ43	Propos
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.09433128686	Nominal RA [deg]
dec_nom	29.103028232785	Nominal Dec [deg]
roll_nom	87.345025137245	Nominal Roll [deg]
revision	6	Processing version of data
ontime	2160.7000786588	[s]
livetime	2147.2767071282	Ontime multiplied by DTCOR
l2events	69643	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	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2160.7000786588	[s]
caldbver	4.5.1.1	 	l1events	140572	Number of level 1 events
date	2012-08-22T00:44:52	Date and time of file creation			
revision	6	Processing version of data			

2.1.3 Events

Level 1 Events

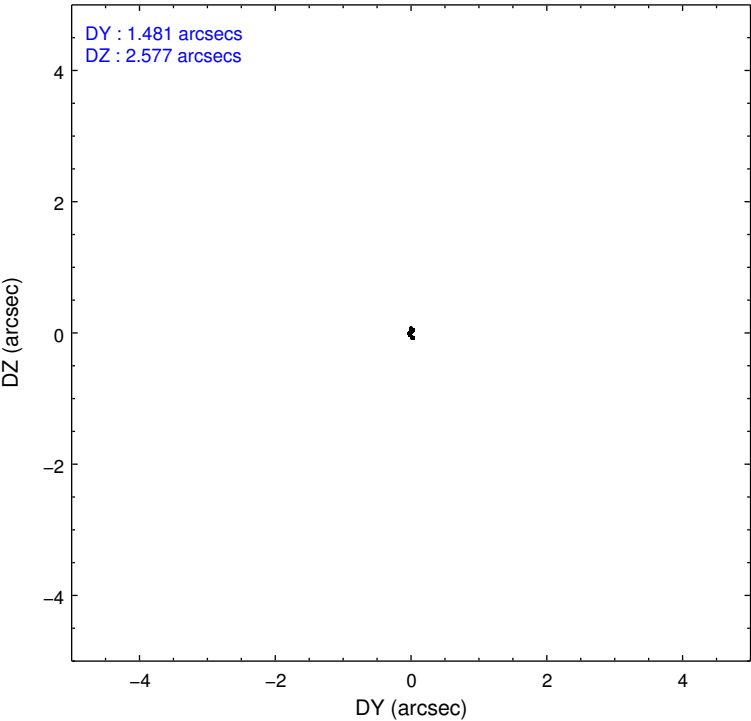
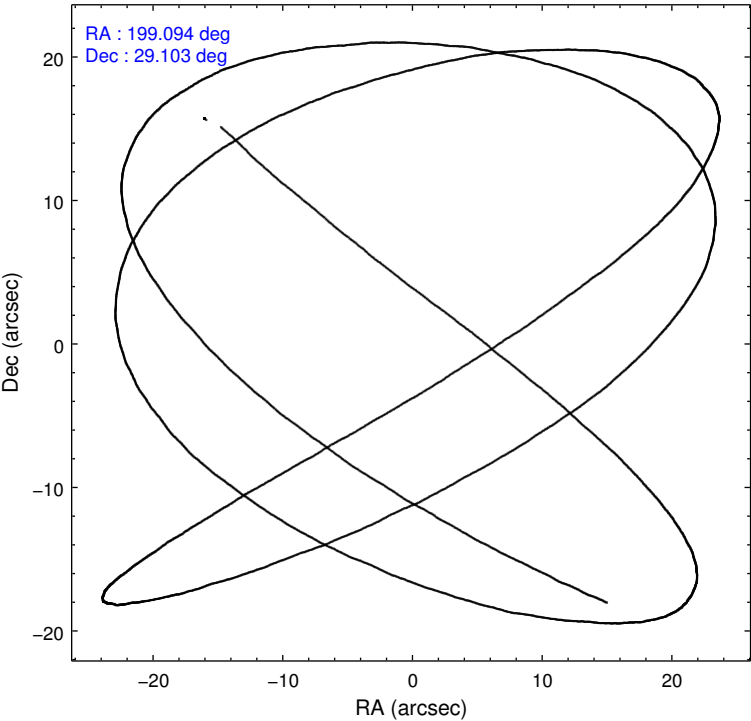
	segment 0
level 1 events	140572
rejected events	38372
rejected %	27%

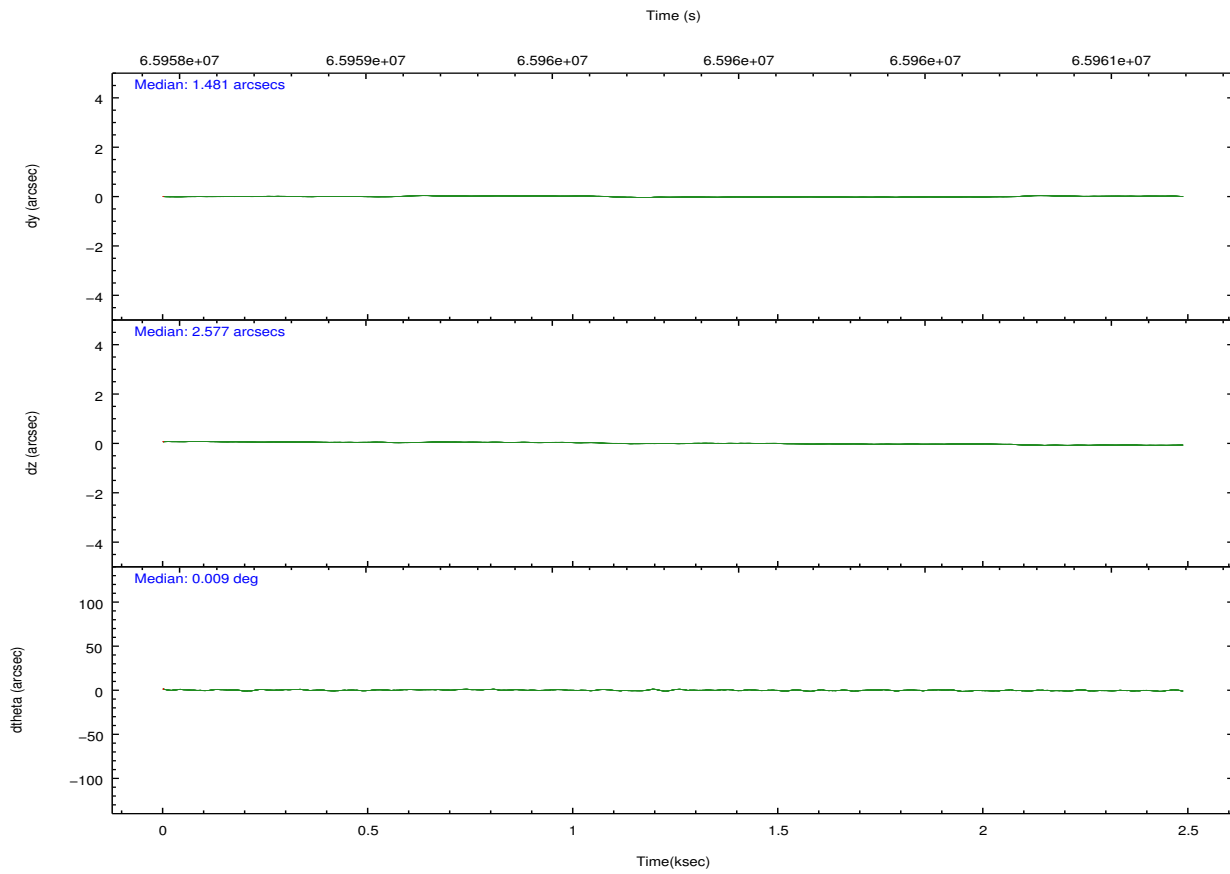
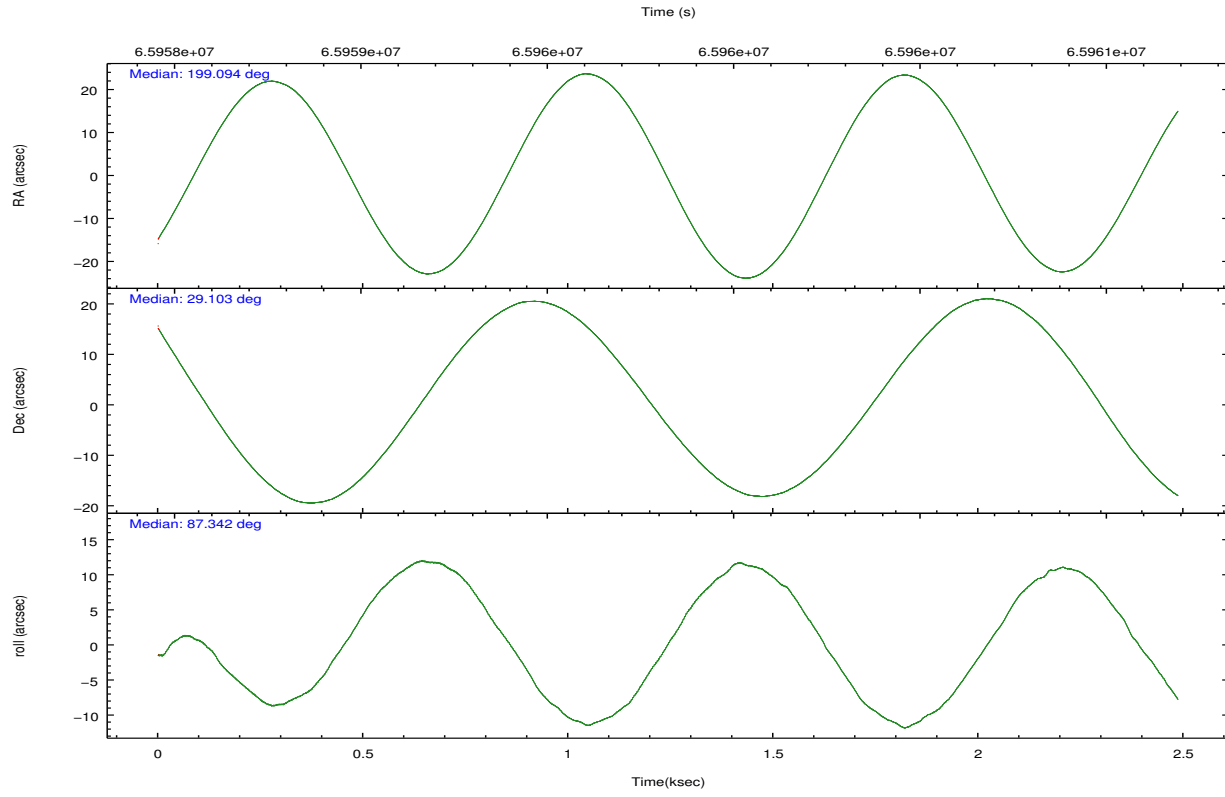
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	199.109005	199.0943312868623
[deg] Pointing Dec	29.078991	29.10302823278509
[deg] Pointing Roll	87.433370	87.34502513724539
[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)	65959069.184000	65957880.902732
Observation start date	2000-02-03T09:56:45	2000-02-03T09:38:00
[s] Observation end time (MET)	65961069.184000	65961734.390372
Observation end date	2000-02-03T10:30:05	2000-02-03T10:42:14

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



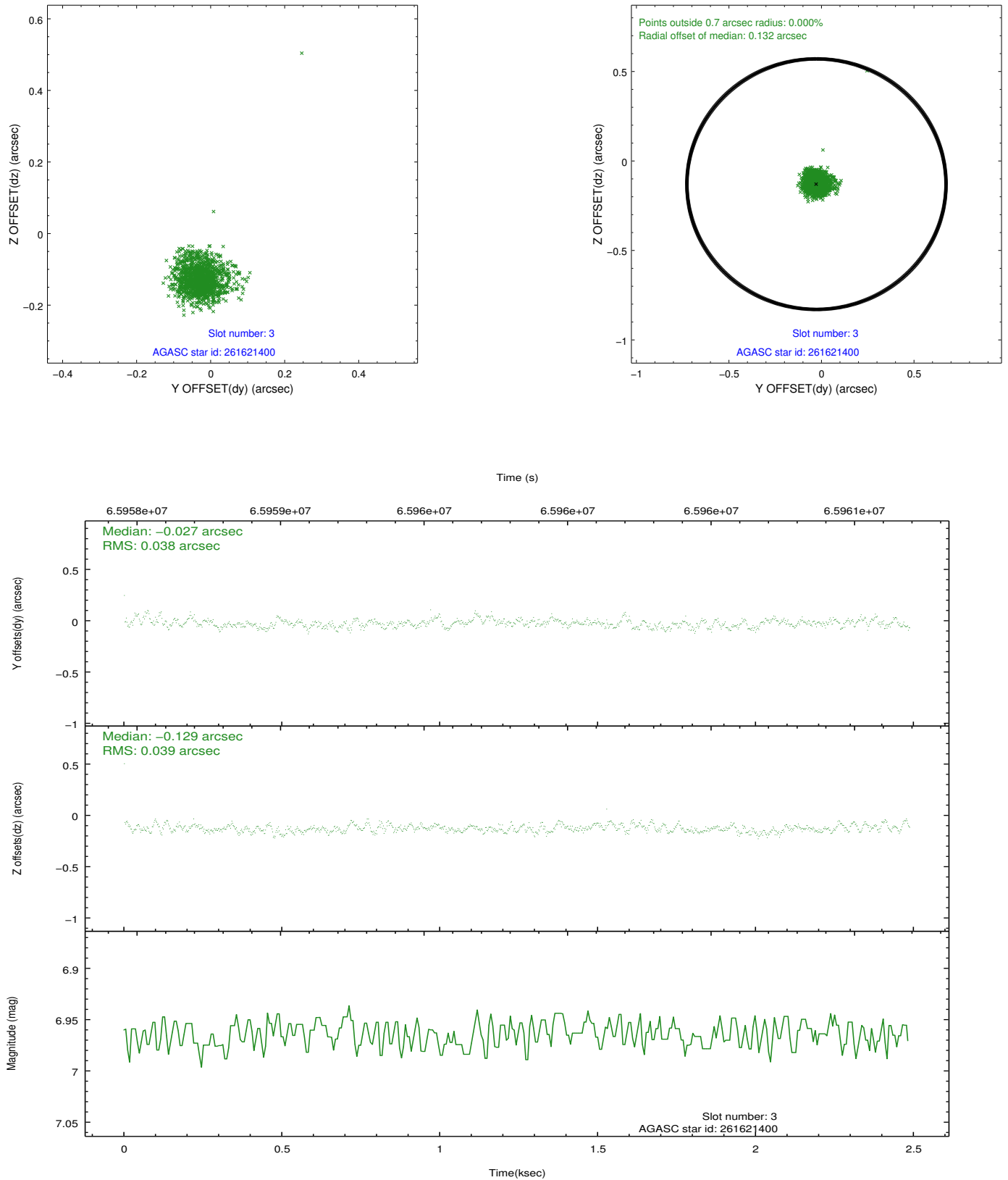


Slot Statistics

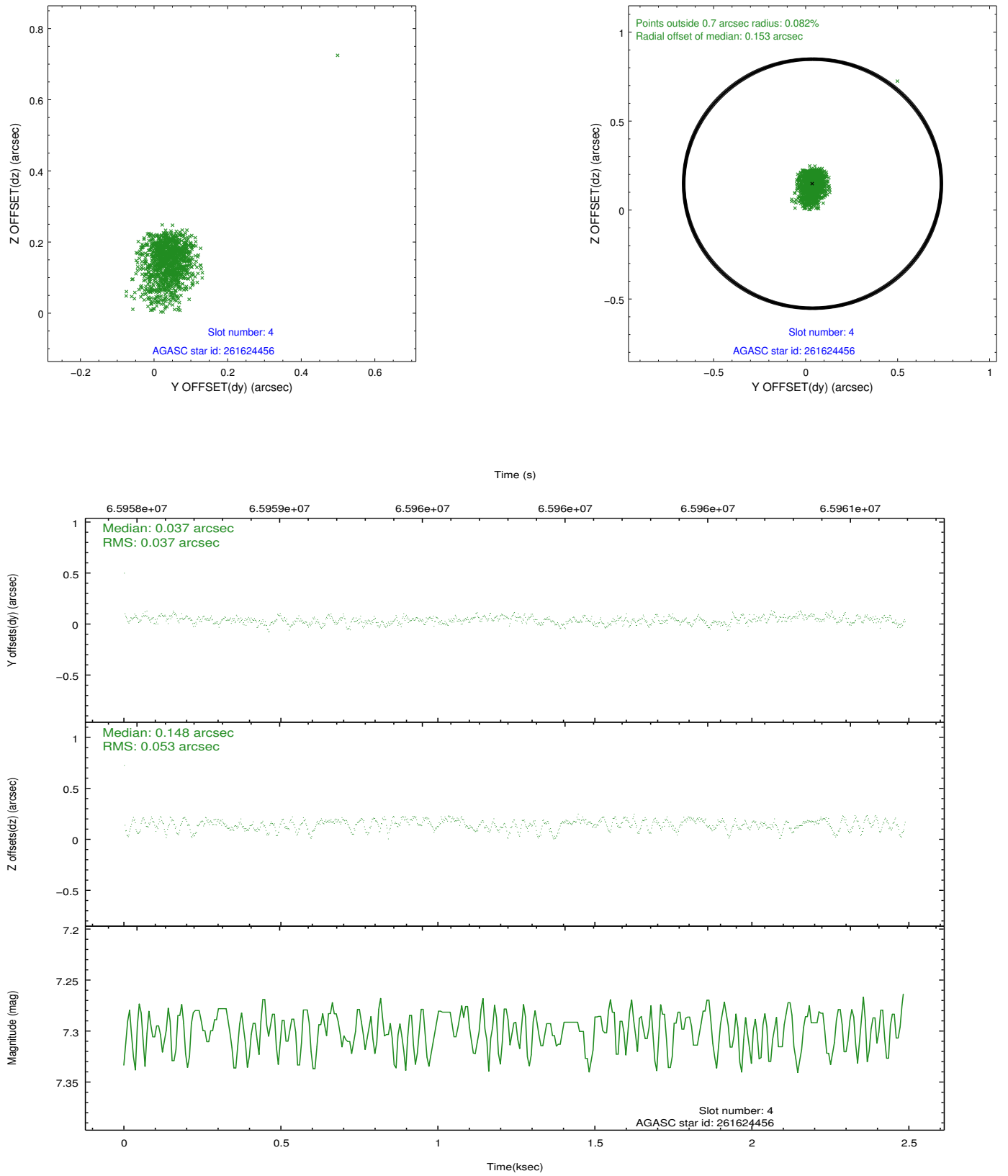
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.07	607	0.053	-0.021	0.005	0.009	0.000000	0.000000	-756.89	-1290.36
1	FID	HRC-I-3	6.97	607	0.023	-0.022	0.007	0.011	0.000000	0.000000	-1186.61	1012.09
2	FID	HRC-I-4	7.10	607	0.039	-0.046	0.006	0.010	0.000000	0.000000	1283.97	1013.42
3	GUIDE	261621400	6.96	1214	-0.027	-0.129	0.054	0.088	198.901600	28.741982	-1240.11	599.75
4	GUIDE	261624456	7.30	1214	0.037	0.148	0.063	0.109	199.758056	28.567828	-1741.03	-2131.49
5	GUIDE	261629720	8.10	1214	0.016	0.082	0.059	0.095	199.236176	29.044452	-106.76	-406.85
6	GUIDE	261619776	8.80	1214	-0.080	-0.042	0.073	0.118	198.654383	29.401174	1098.08	1476.41
7	GUIDE	261626376	9.71	1211	0.060	-0.048	0.090	0.144	198.947288	29.347445	944.76	551.69

2.4 Star Slots

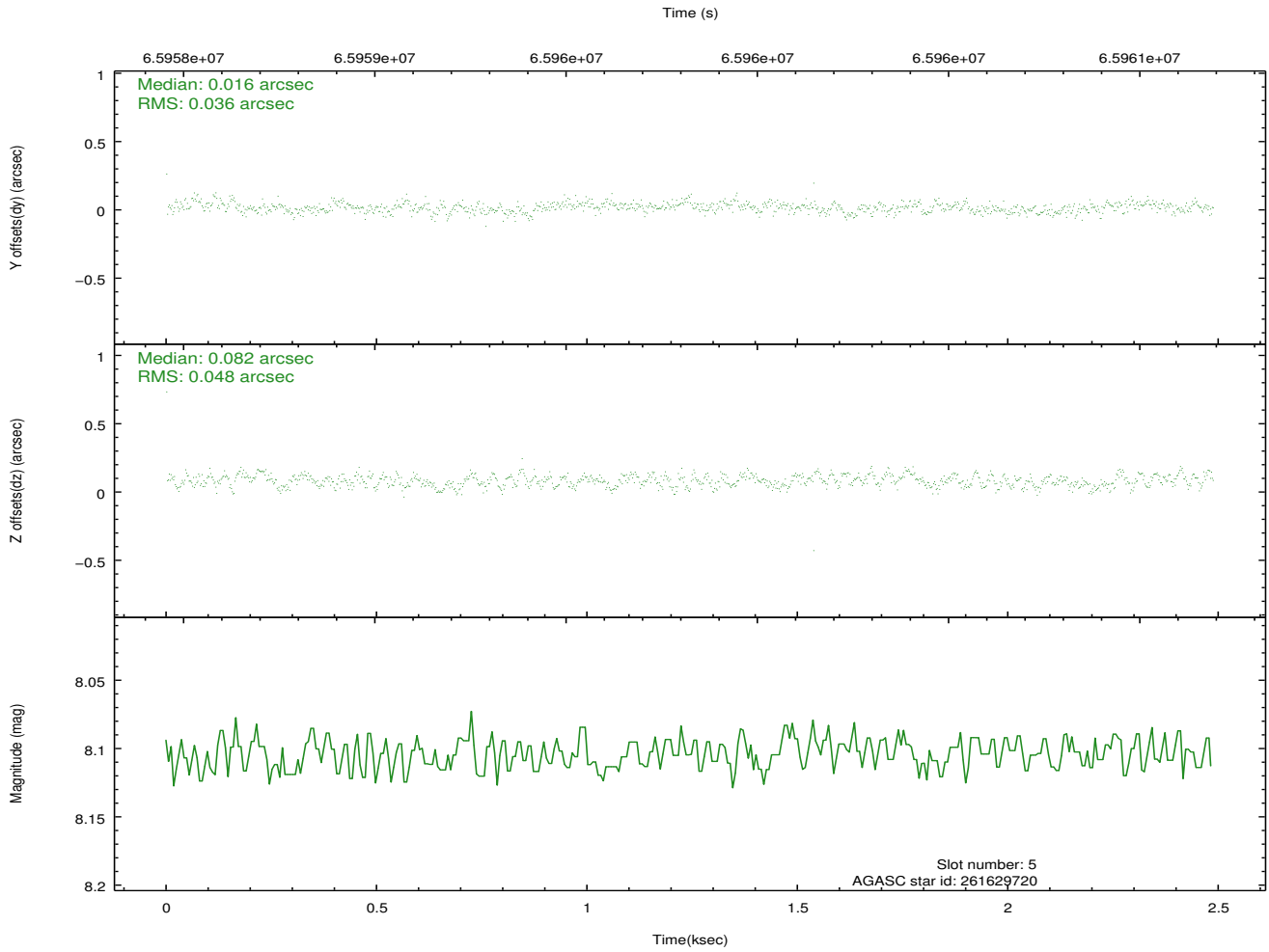
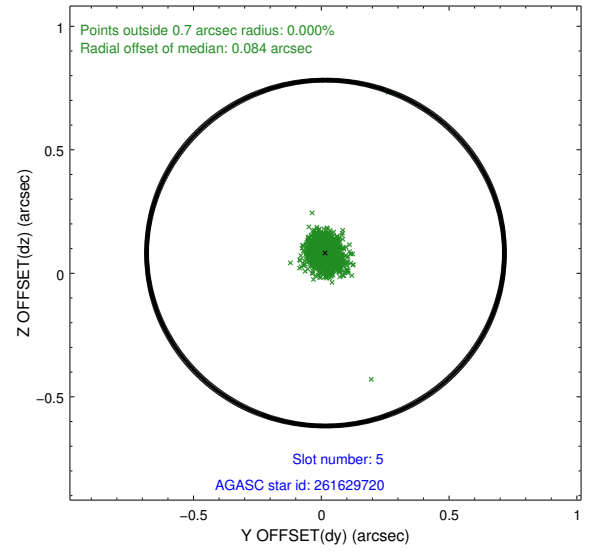
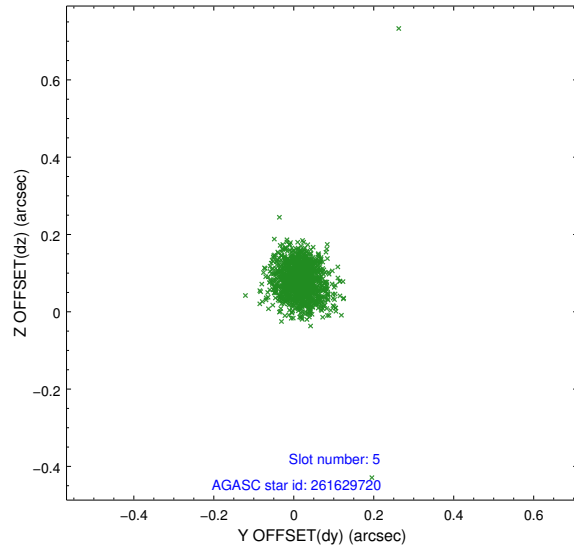
2.4.1 Slot 3



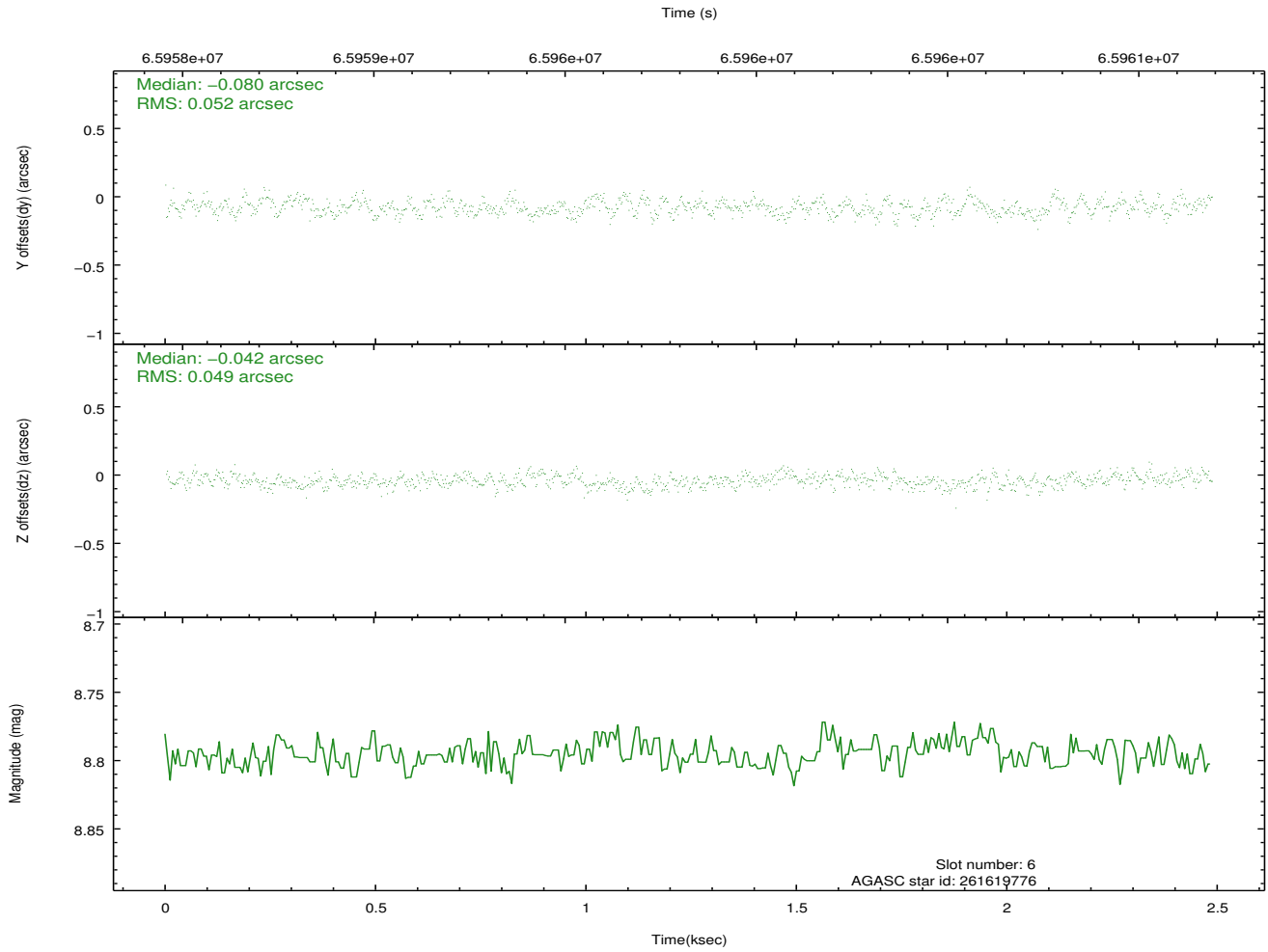
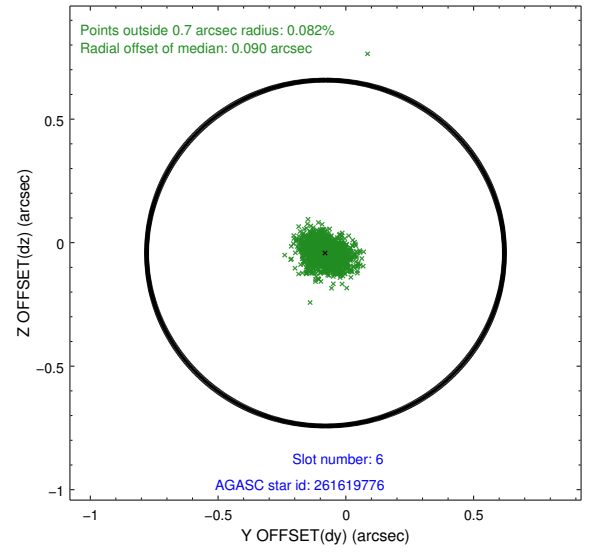
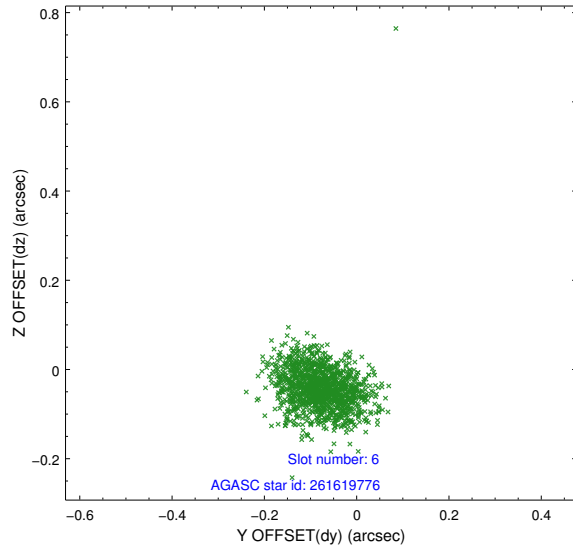
2.4.2 Slot 4



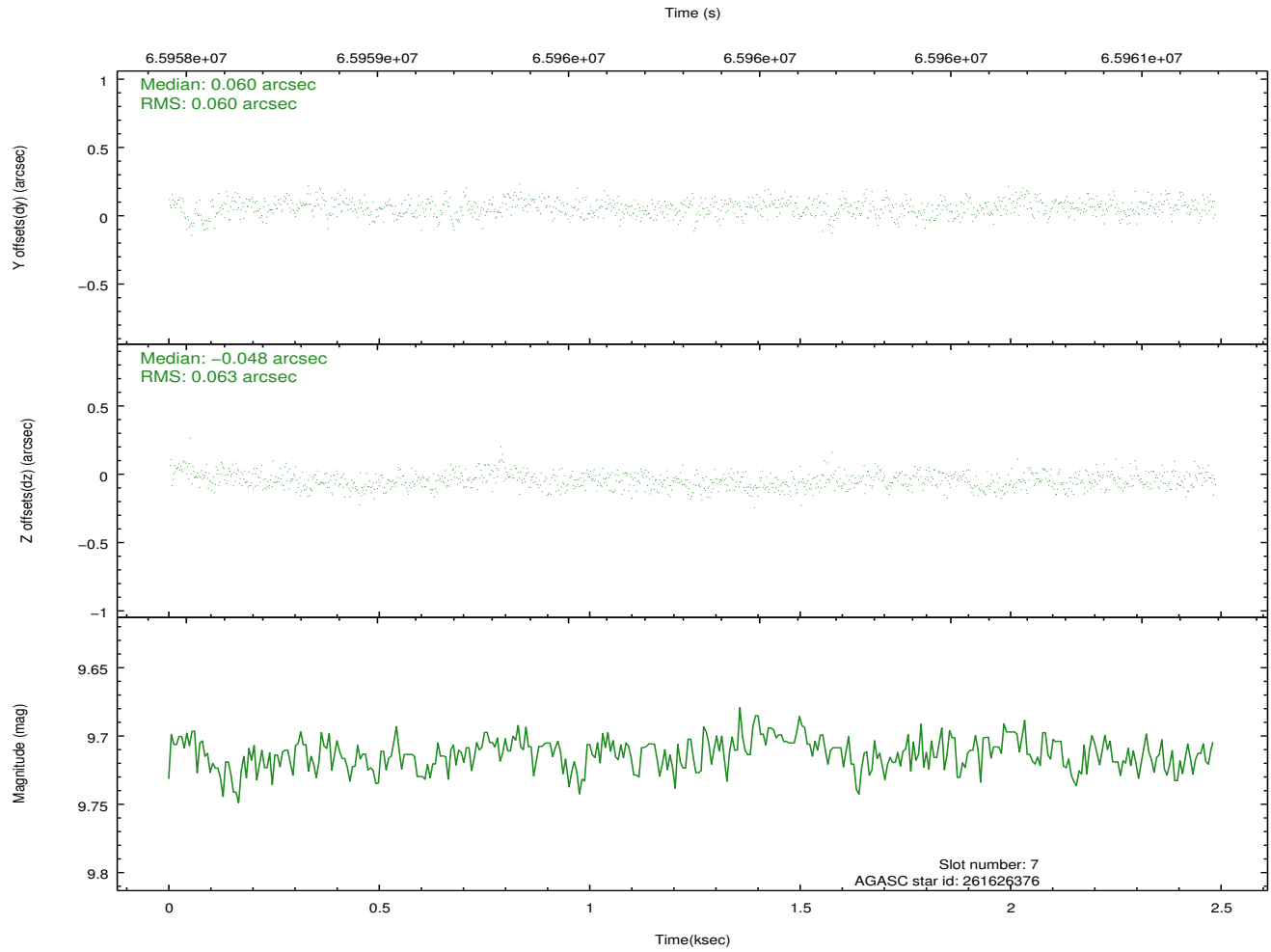
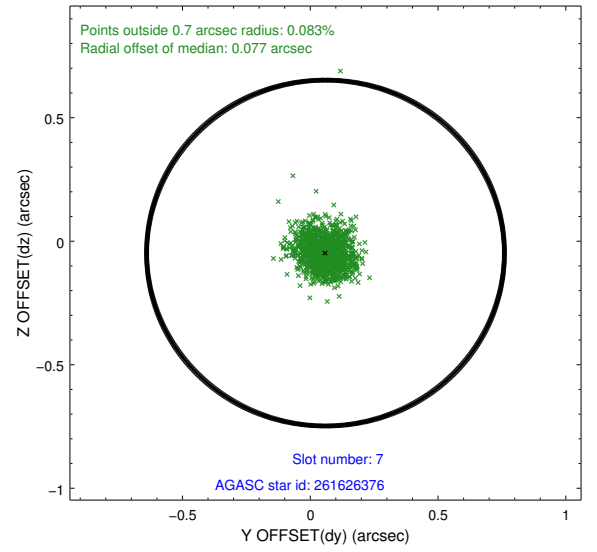
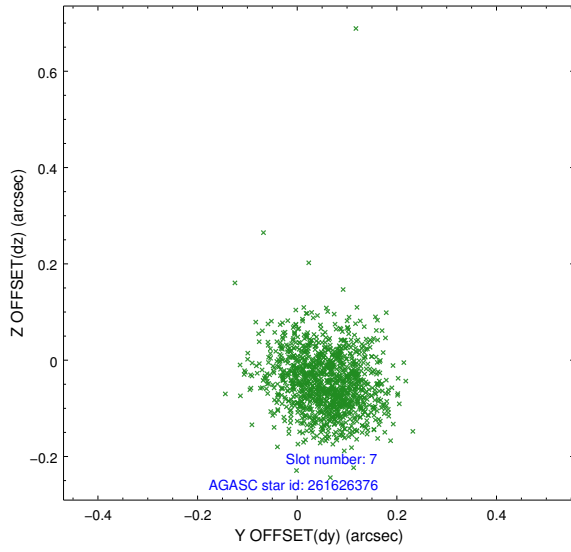
2.4.3 Slot 5



2.4.4 Slot 6

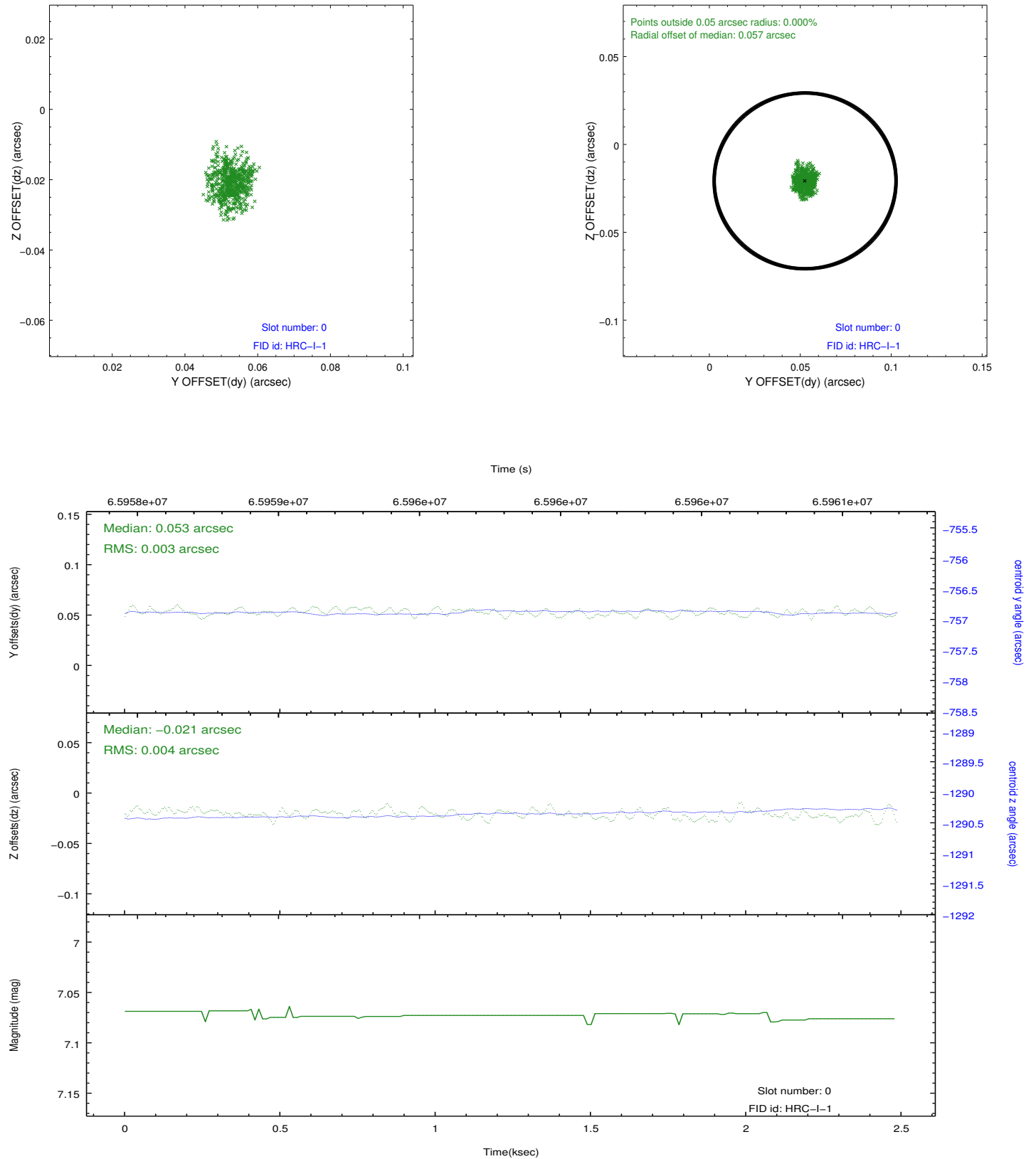


2.4.5 Slot 7

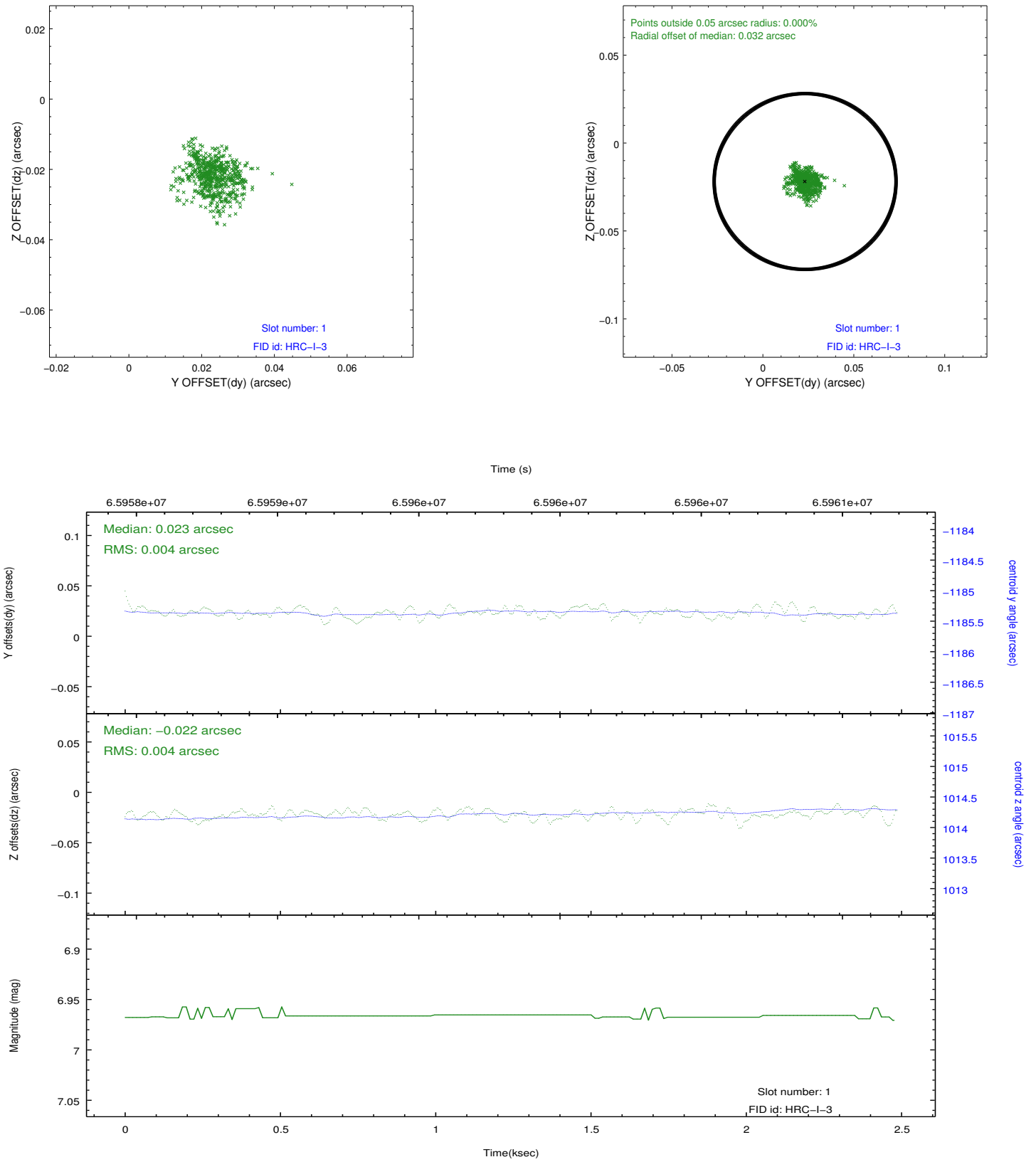


2.5 FID Slots

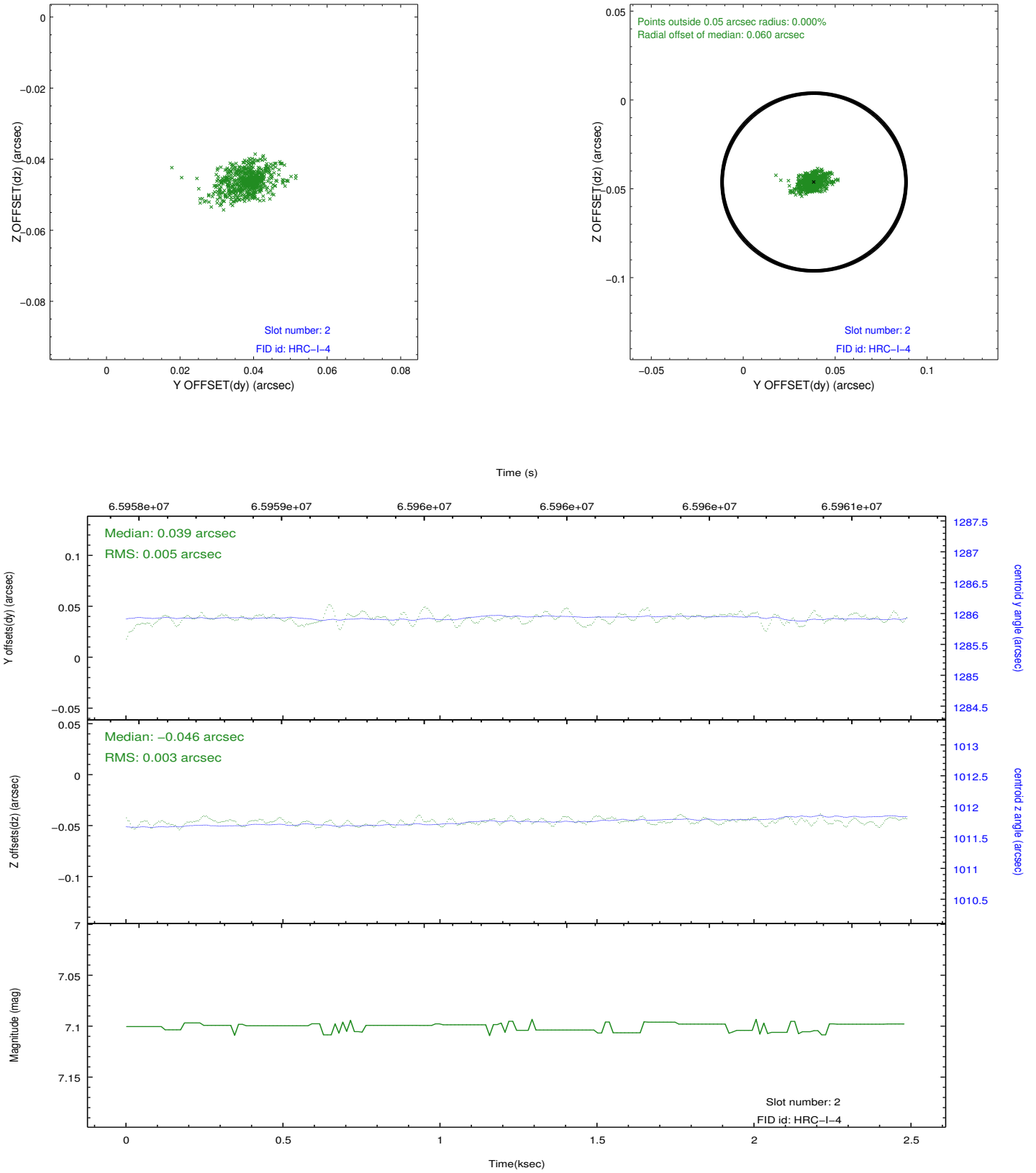
2.5.1 Slot 0



2.5.2 Slot 1

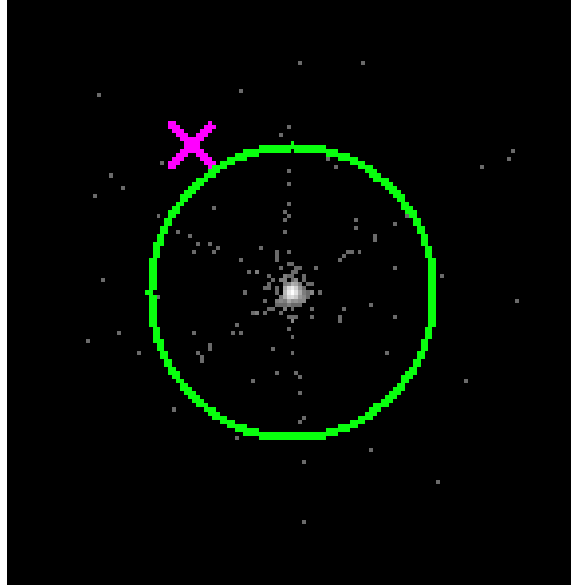


2.5.3 Slot 2

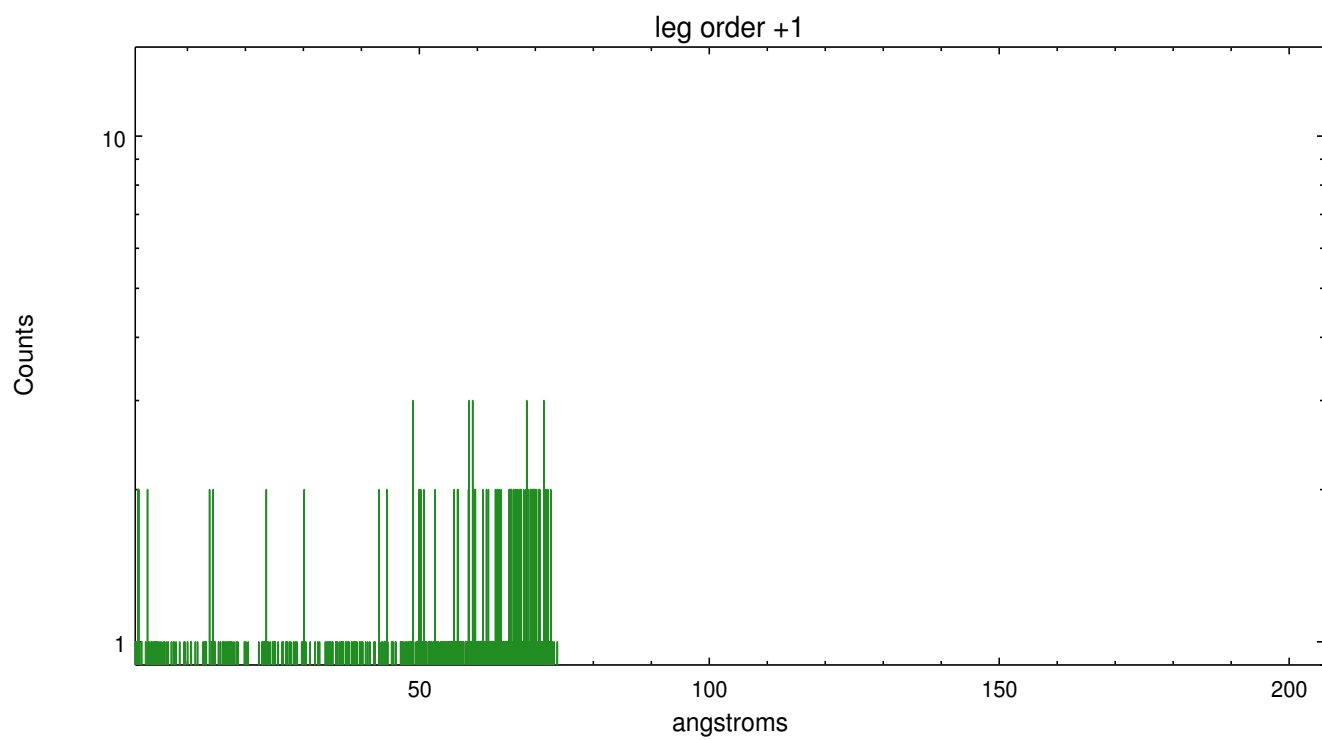
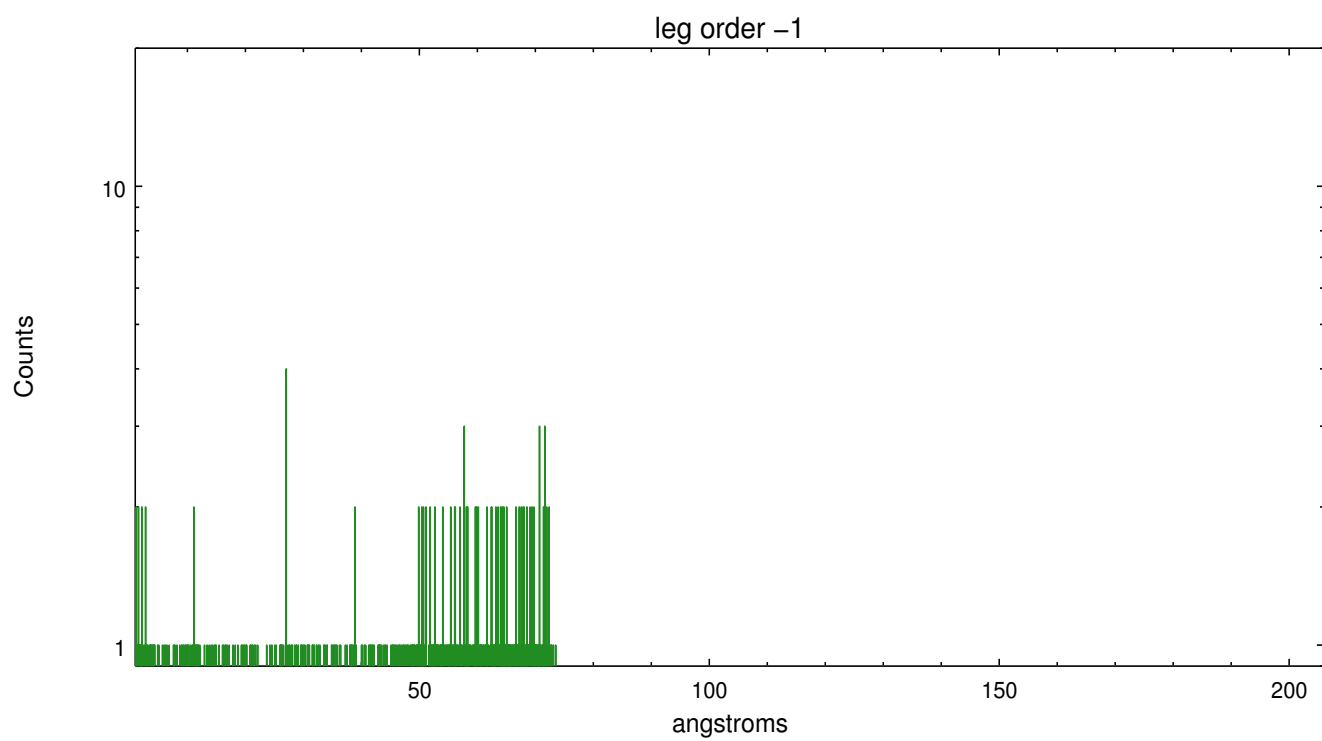


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.16

A.2 Comments

First ~300 s not included in GTI because instrument configuration was not settled.