

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 5456 - L2 Version 4  
Chandra X-Ray Center

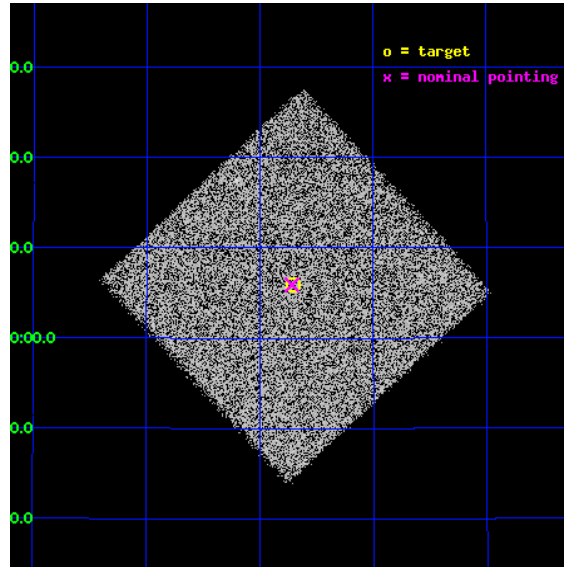
L2 Processing Date : Aug 10 2012

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# 1 Front

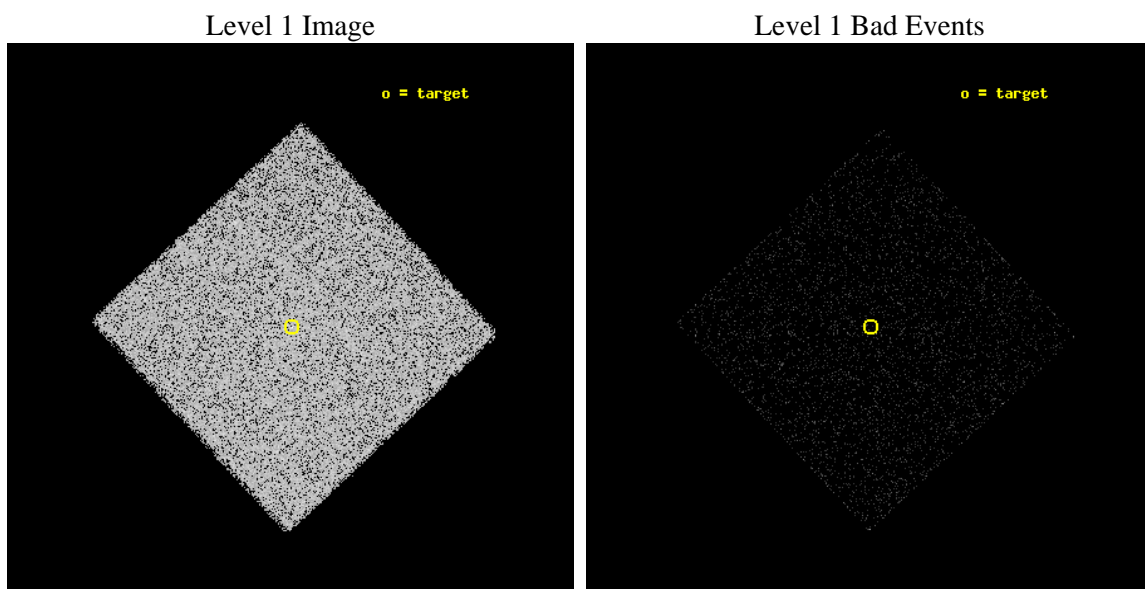
seq_num	400386	Sequence number
obs_id	5456	Observation id
title	Precise astrometry of the X-ray sources 4U1700+24 and 4U1954+319	P
observer	Dr. Nicola Masetti	Principal investigator
object	4U 1954+319	Source name
ra_targ	298.925417	Observer's specified target RA [deg]
dec_targ	32.099028	Observer's specified target Dec [deg]
ra_nom	298.92943632064	Nominal RA [deg]
dec_nom	32.098528065653	Nominal Dec [deg]
roll_nom	1.9662821864075	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1190.2813051939	[s]
livetime	1181.0747502931	Ontime multiplied by DTCOR
l2events	50658	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1190.2813051939	[s]
caldbver	4.5.1.1	&#160	l1events	155839	Number of level 1 events
date	2012-08-10T23:25:18	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

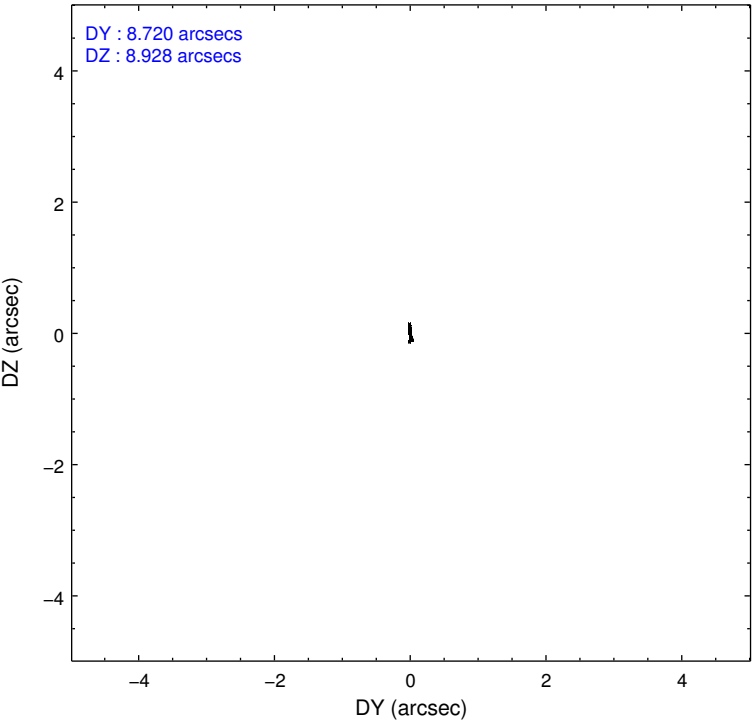
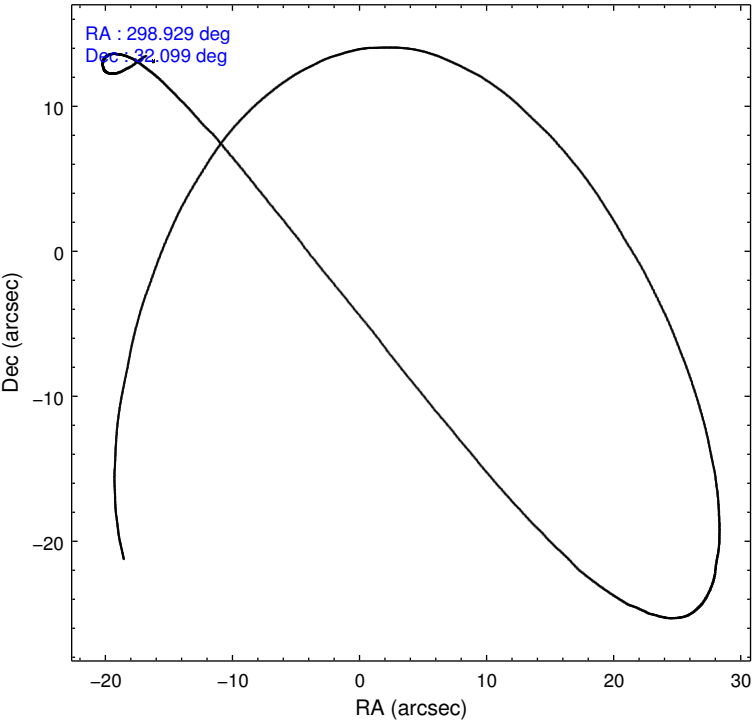
	<b>segment 0</b>
level 1 events	155839
rejected events	80791
rejected %	51%

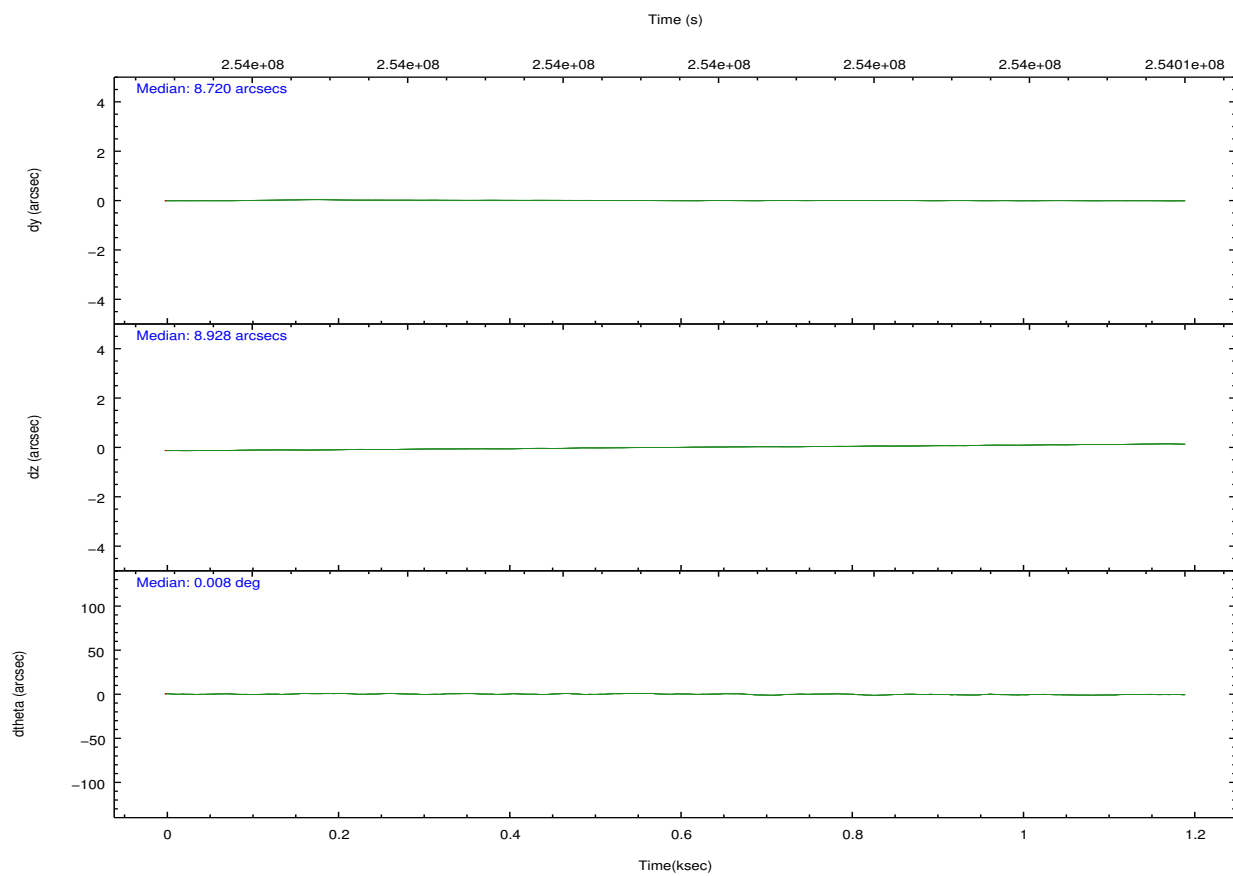
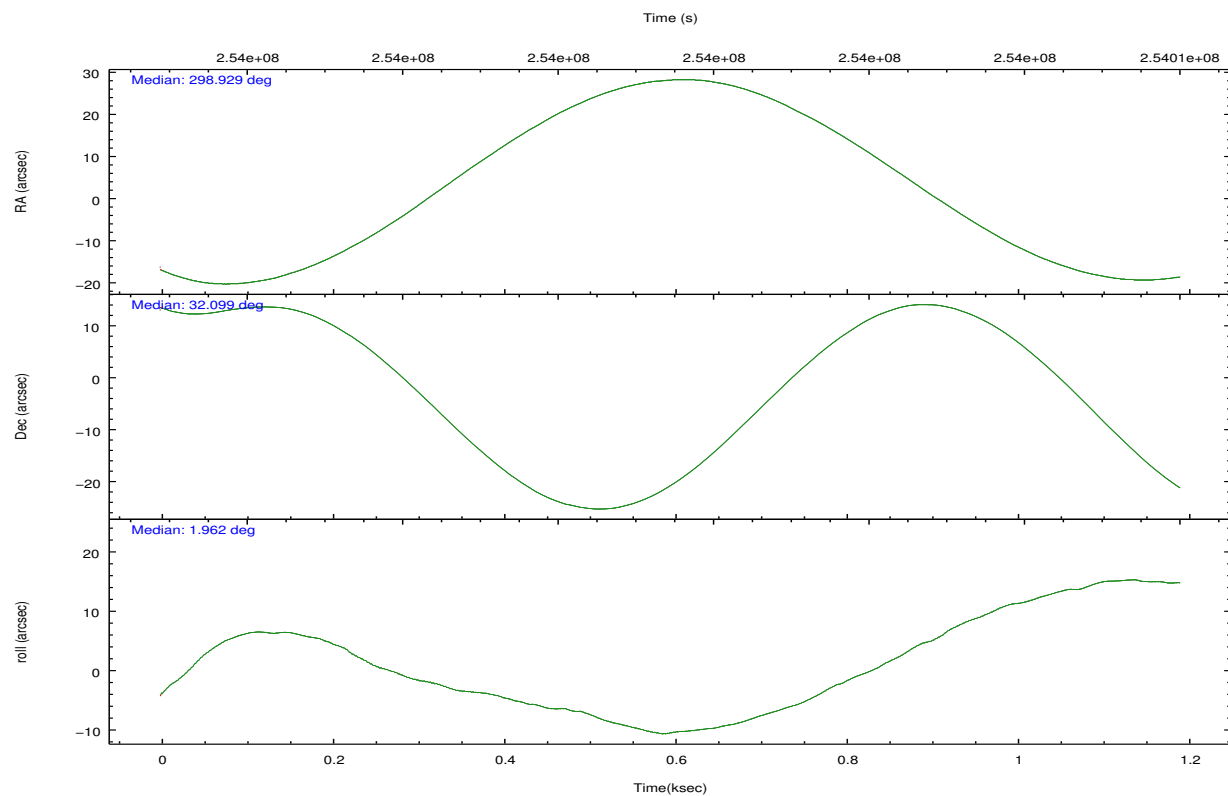
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	298.903279	298.929436320642
[deg] Pointing Dec	32.082676	32.09852806565258
[deg] Pointing Roll	2.075796	1.966282186407477
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	254004142.184000	254003070.66242
Observation start date	2006-01-18T20:41:17	2006-01-18T20:24:30
[s] Observation end time (MET)	254005142.184000	254005514.26253
Observation end date	2006-01-18T20:57:57	2006-01-18T21:05:14

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

2.3 Aspect





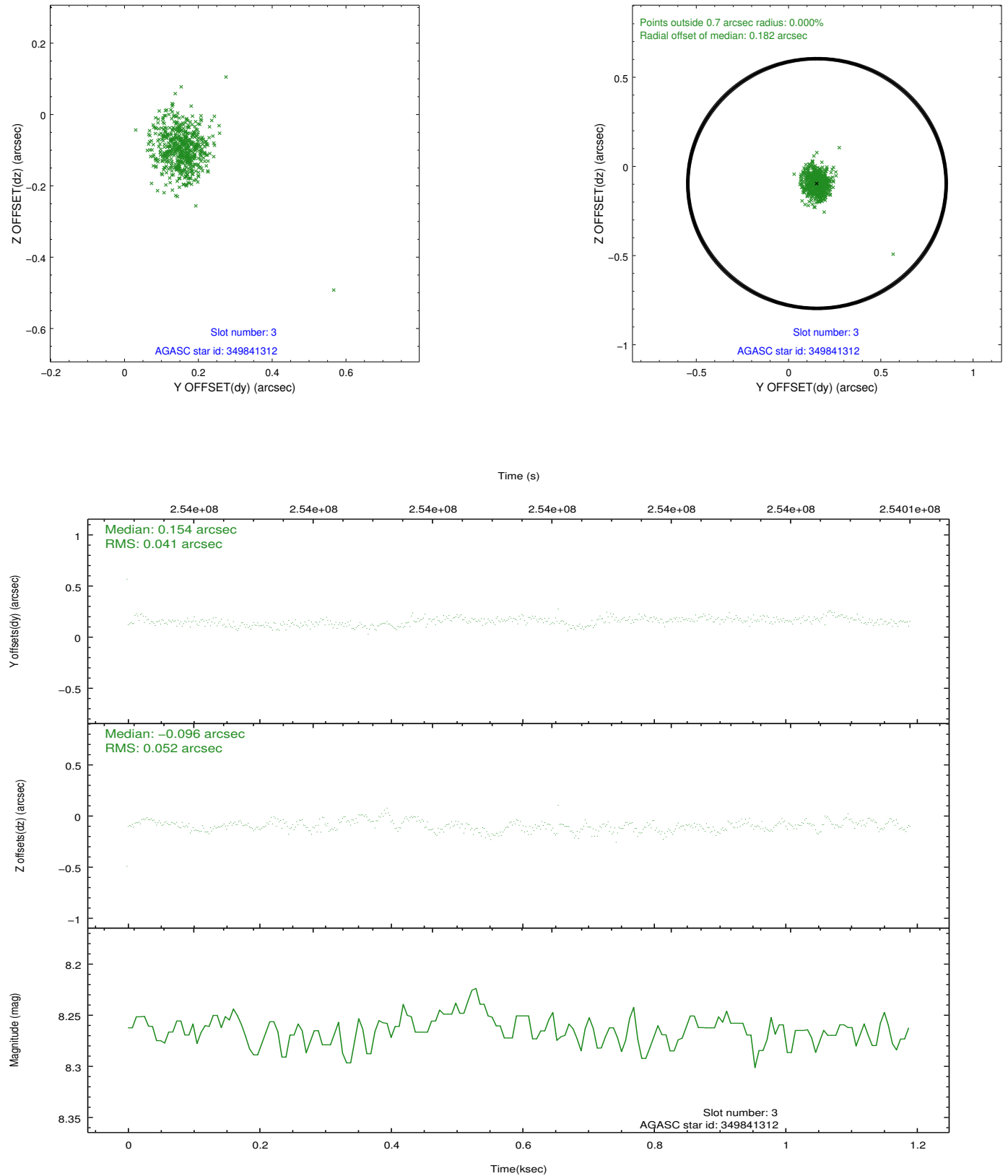
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	291	0.090	-0.076	0.007	0.011	0.000000	0.000000	848.37	-1298.47
1	FID	HRC-I-3	7.05	291	-0.077	0.026	0.006	0.011	0.000000	0.000000	-1190.01	1003.29
2	FID	HRC-I-4	6.99	291	0.106	-0.036	0.007	0.010	0.000000	0.000000	1274.45	1008.75
3	GUIDE	349841312	8.26	582	0.154	-0.096	0.065	0.105	298.856261	31.626128	-201.29	-1640.70
4	GUIDE	349963408	8.99	582	0.100	0.024	0.077	0.126	299.534365	31.670641	1880.70	-1552.79
5	GUIDE	350359272	8.70	582	0.048	-0.007	0.068	0.116	299.002899	32.399371	349.10	1122.53
6	GUIDE	350359416	8.87	582	0.120	-0.021	0.068	0.115	298.163115	32.169694	-2239.70	400.90
7	GUIDE	350378144	9.04	581	-0.423	0.114	0.090	0.154	298.174777	31.947165	-2243.58	-402.18

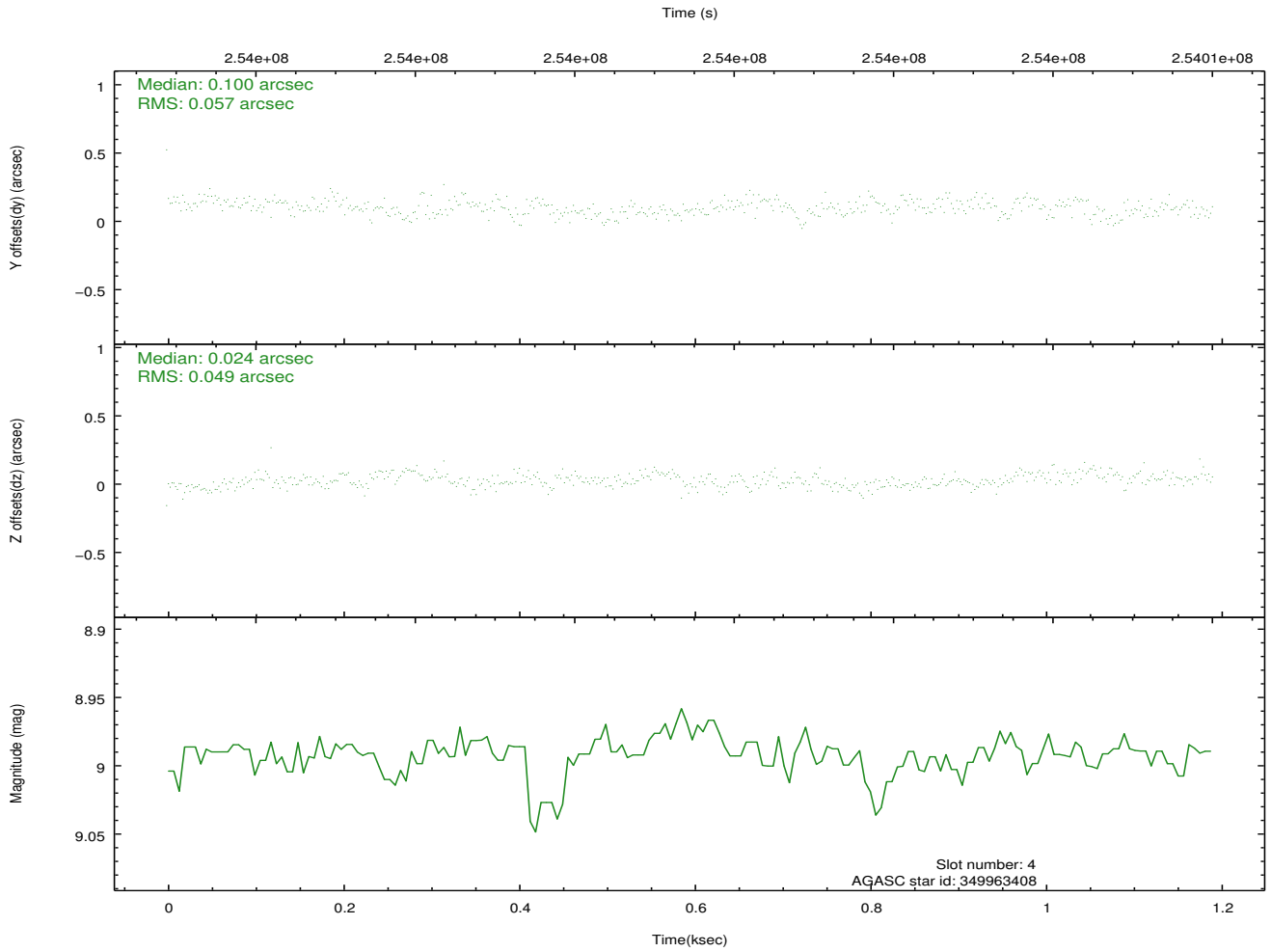
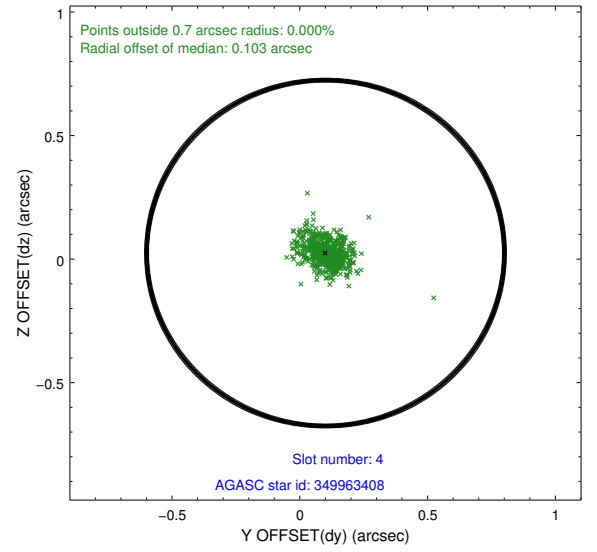
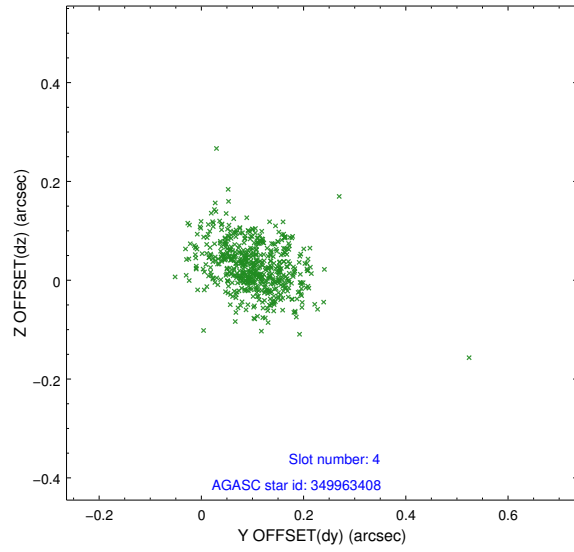


## 2.4 Star Slots

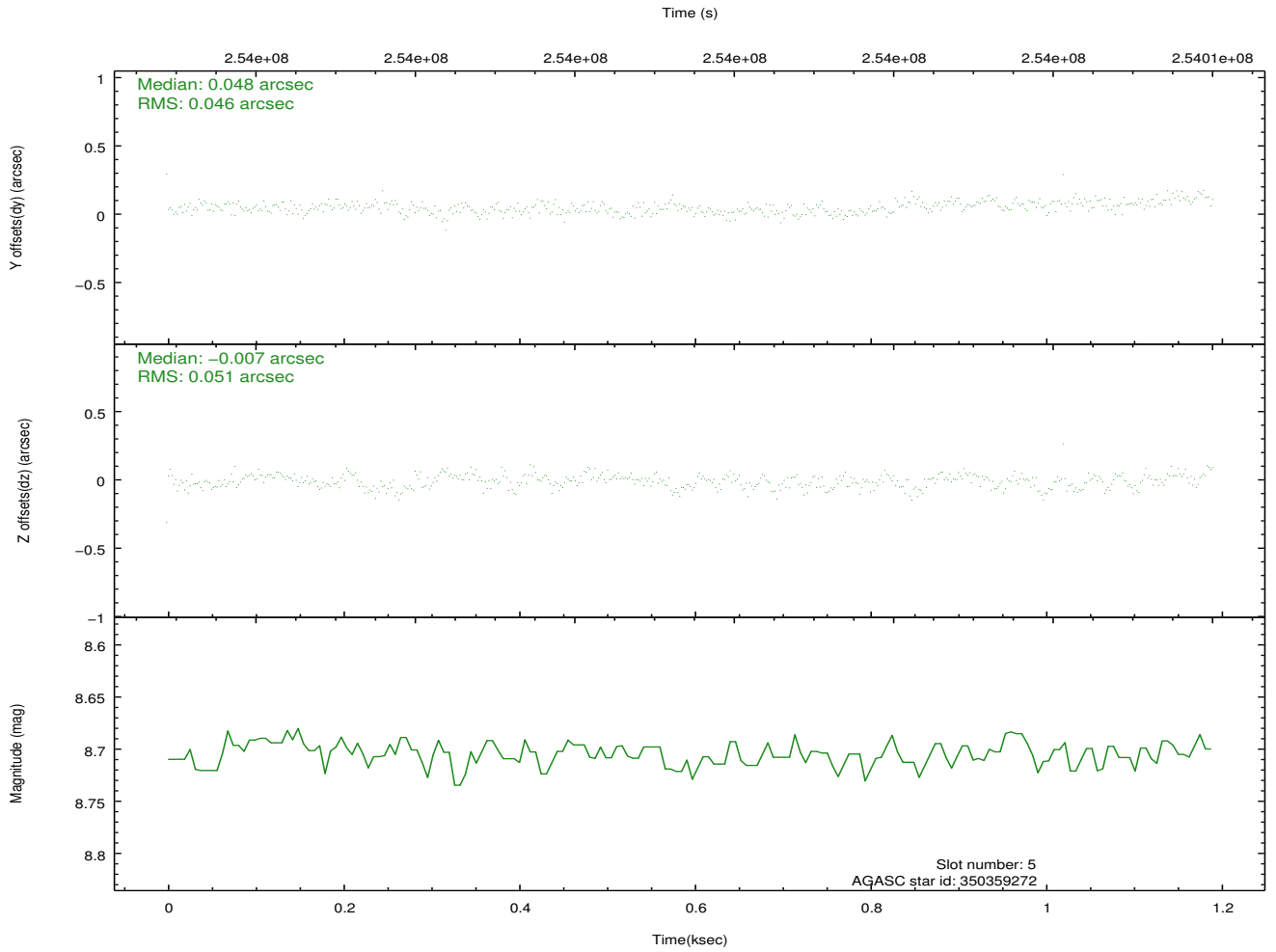
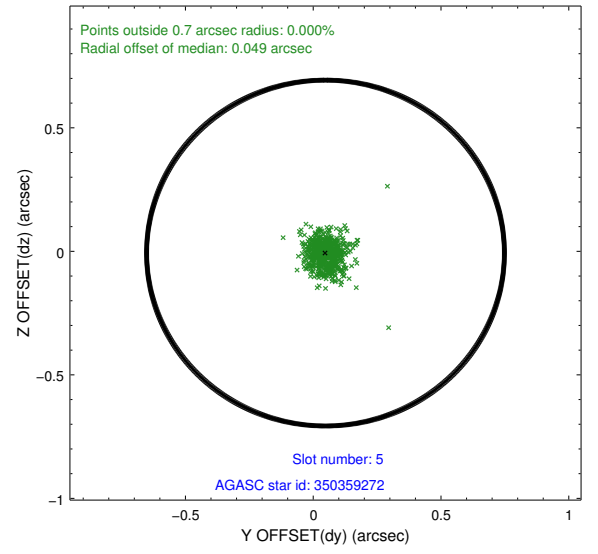
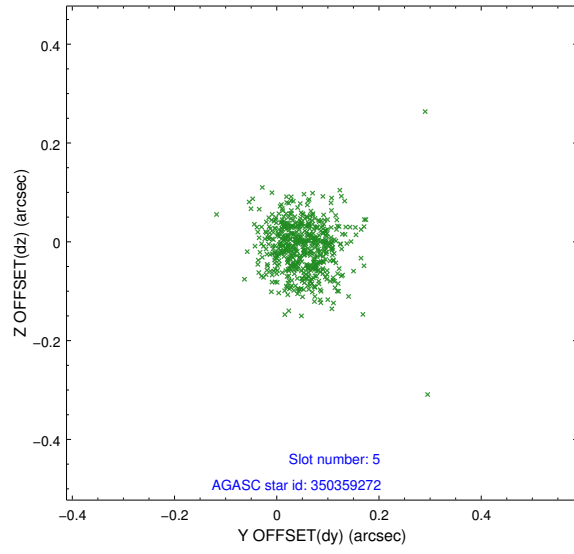
### 2.4.1 Slot 3



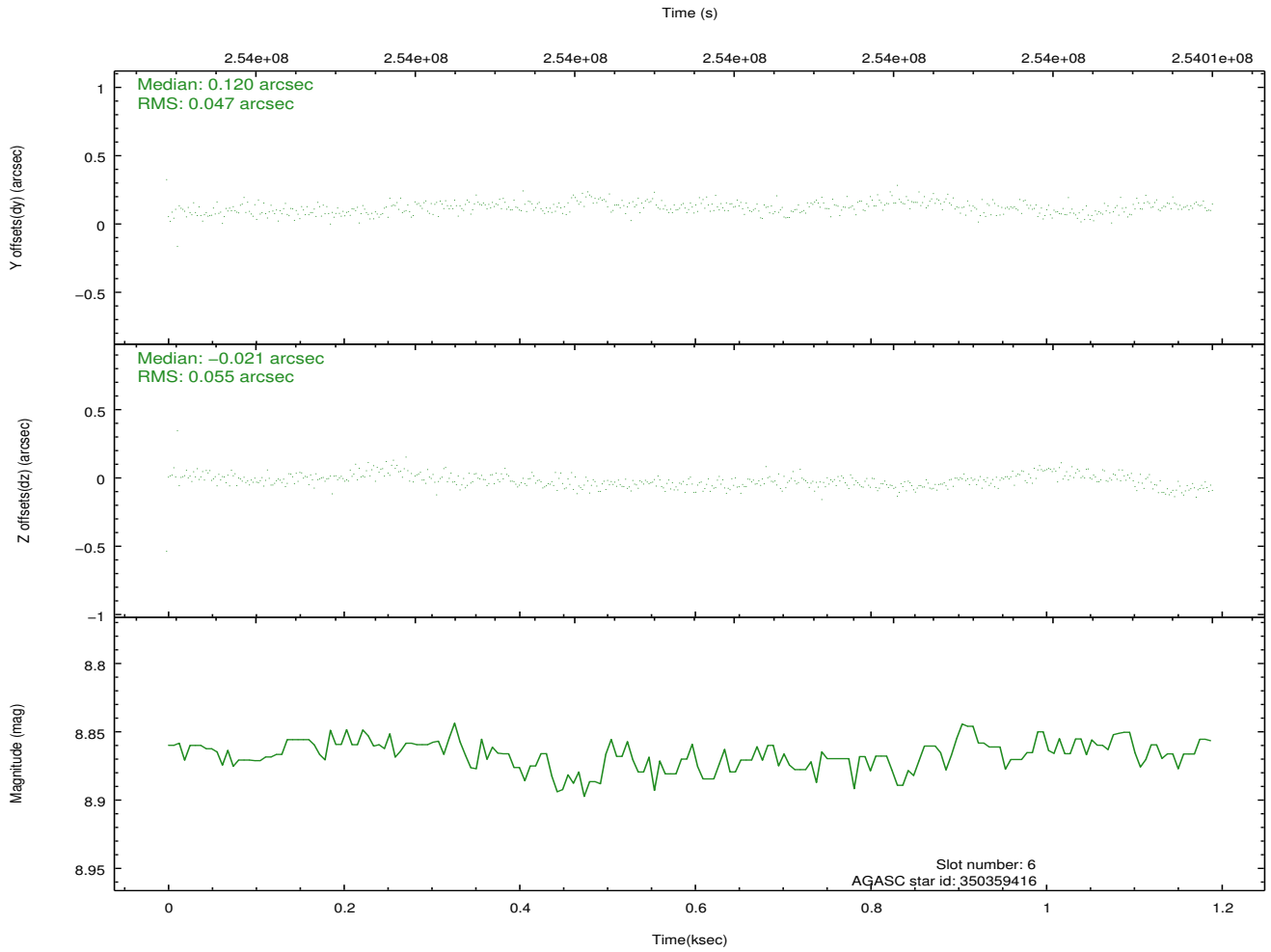
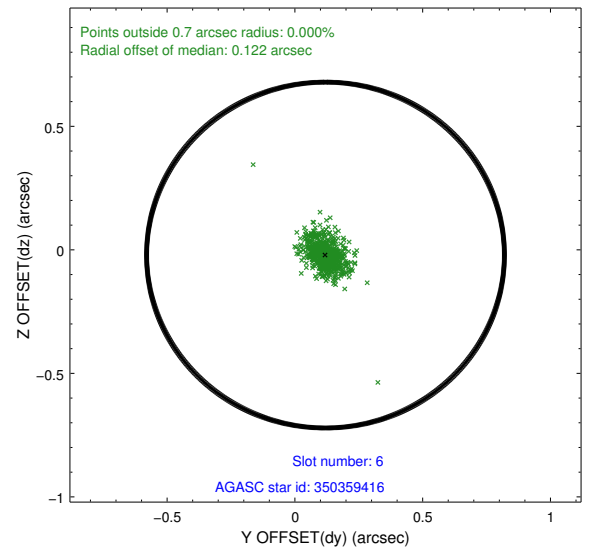
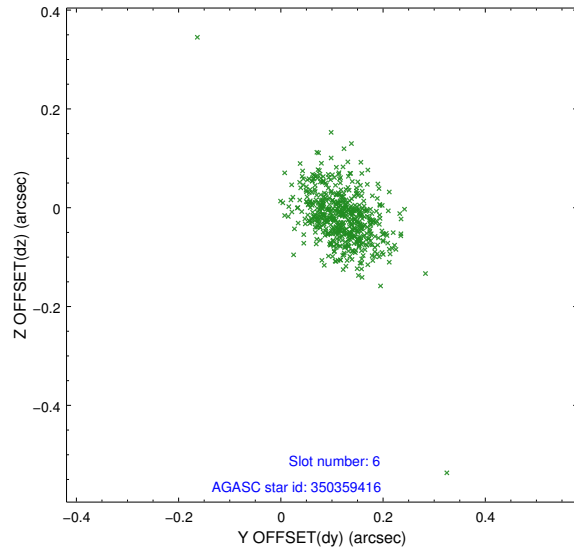
## 2.4.2 Slot 4



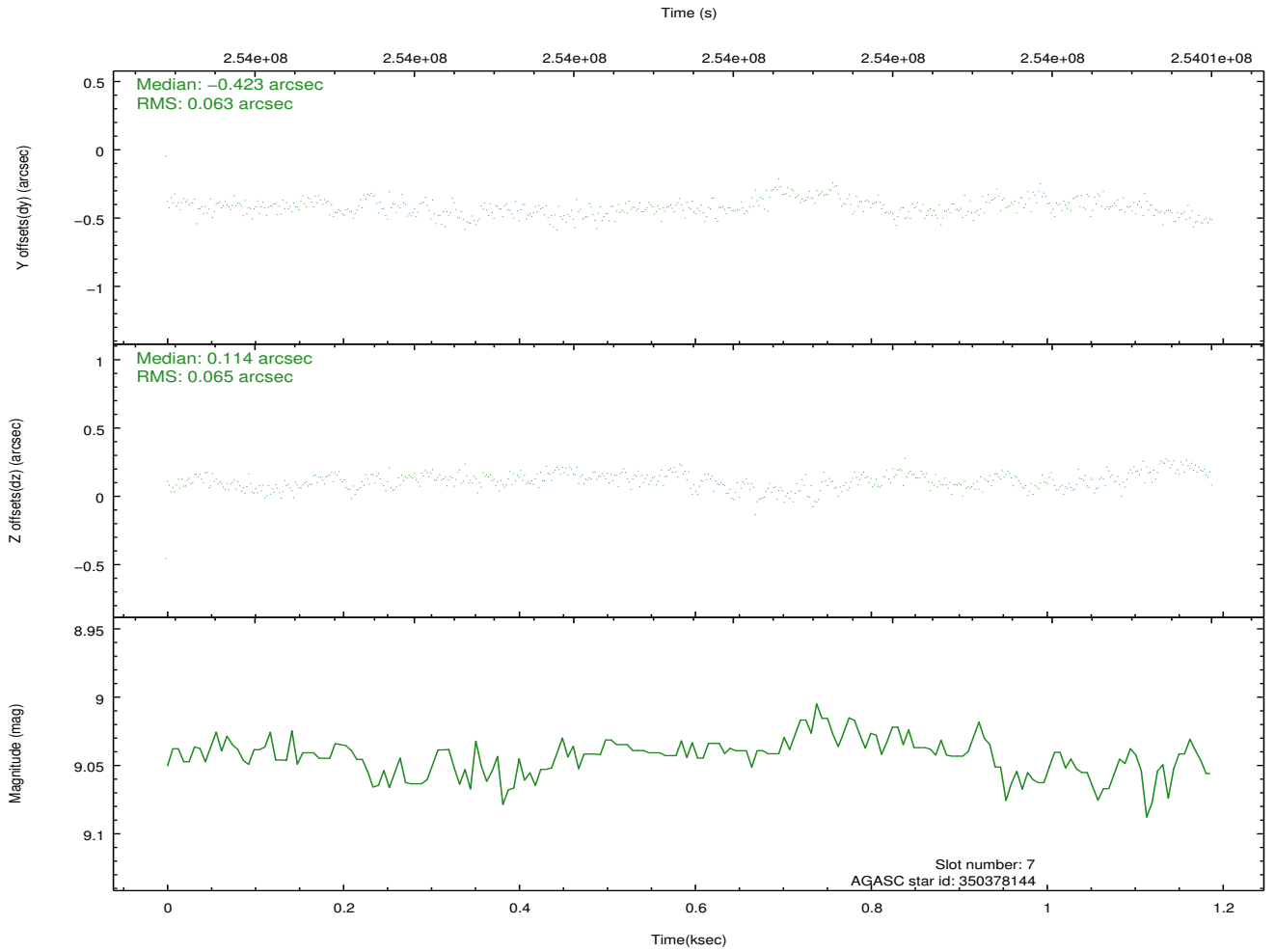
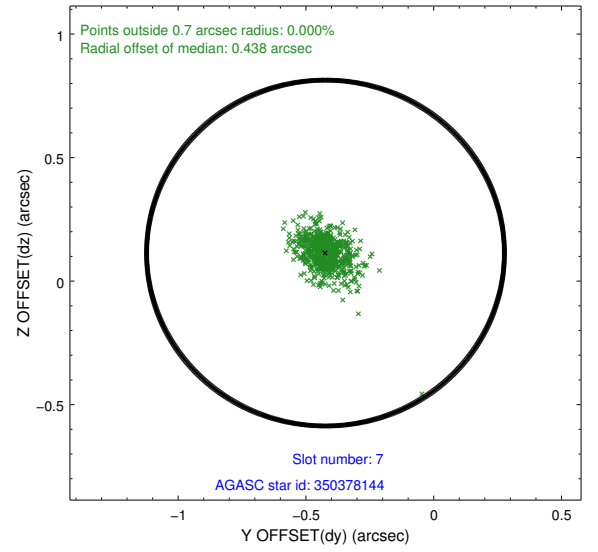
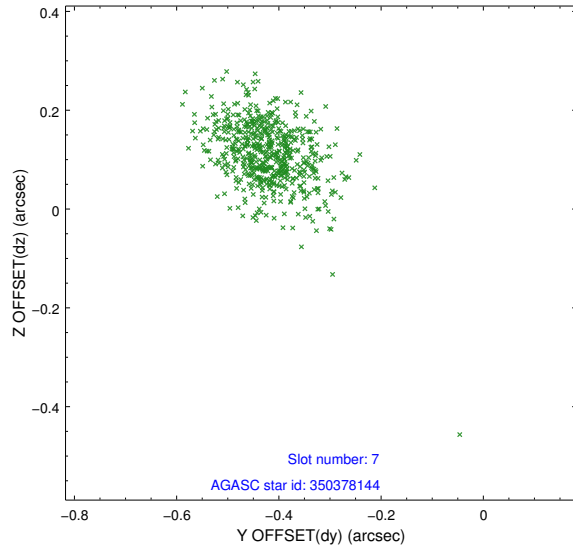
### 2.4.3 Slot 5



## 2.4.4 Slot 6

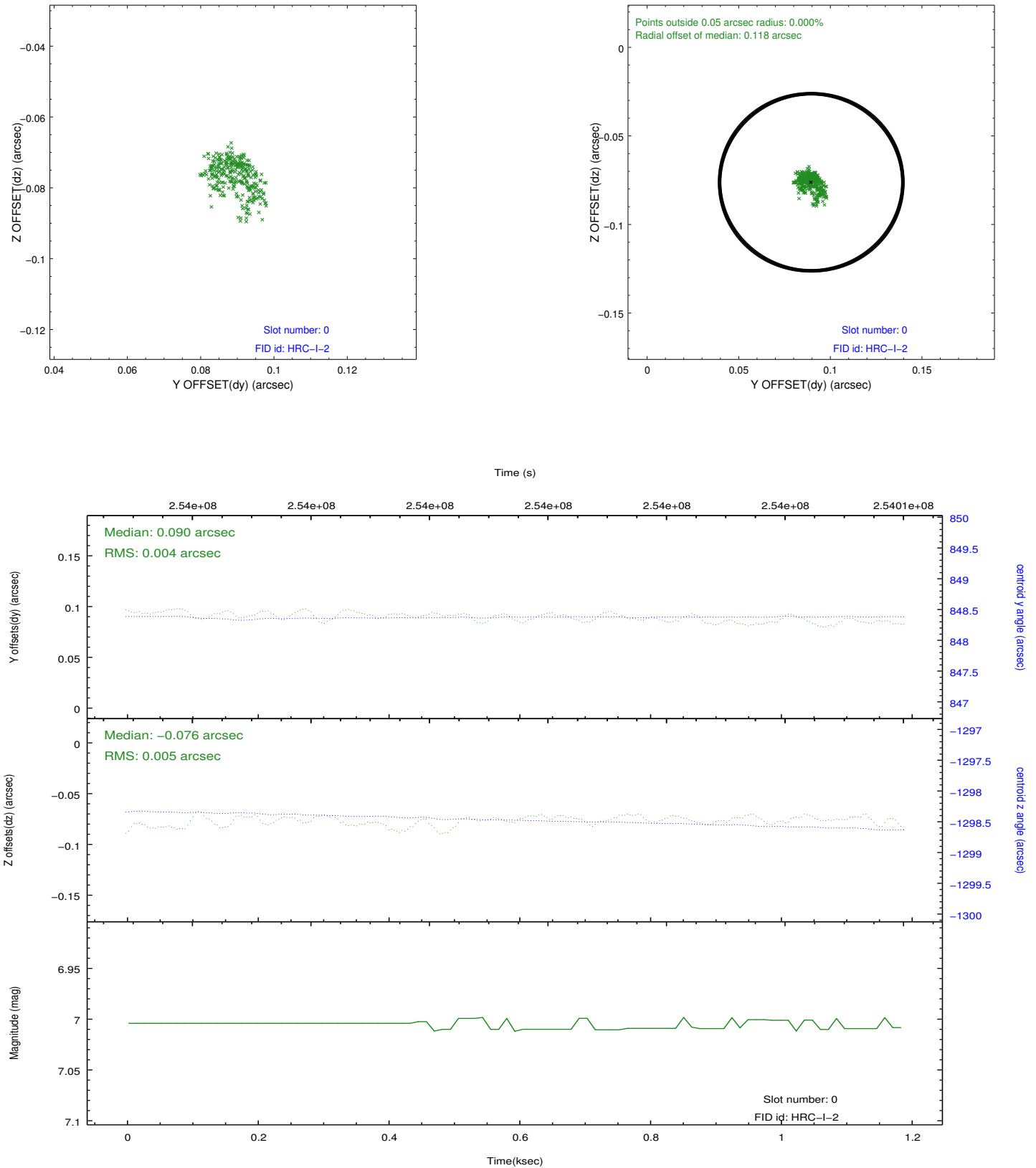


## 2.4.5 Slot 7

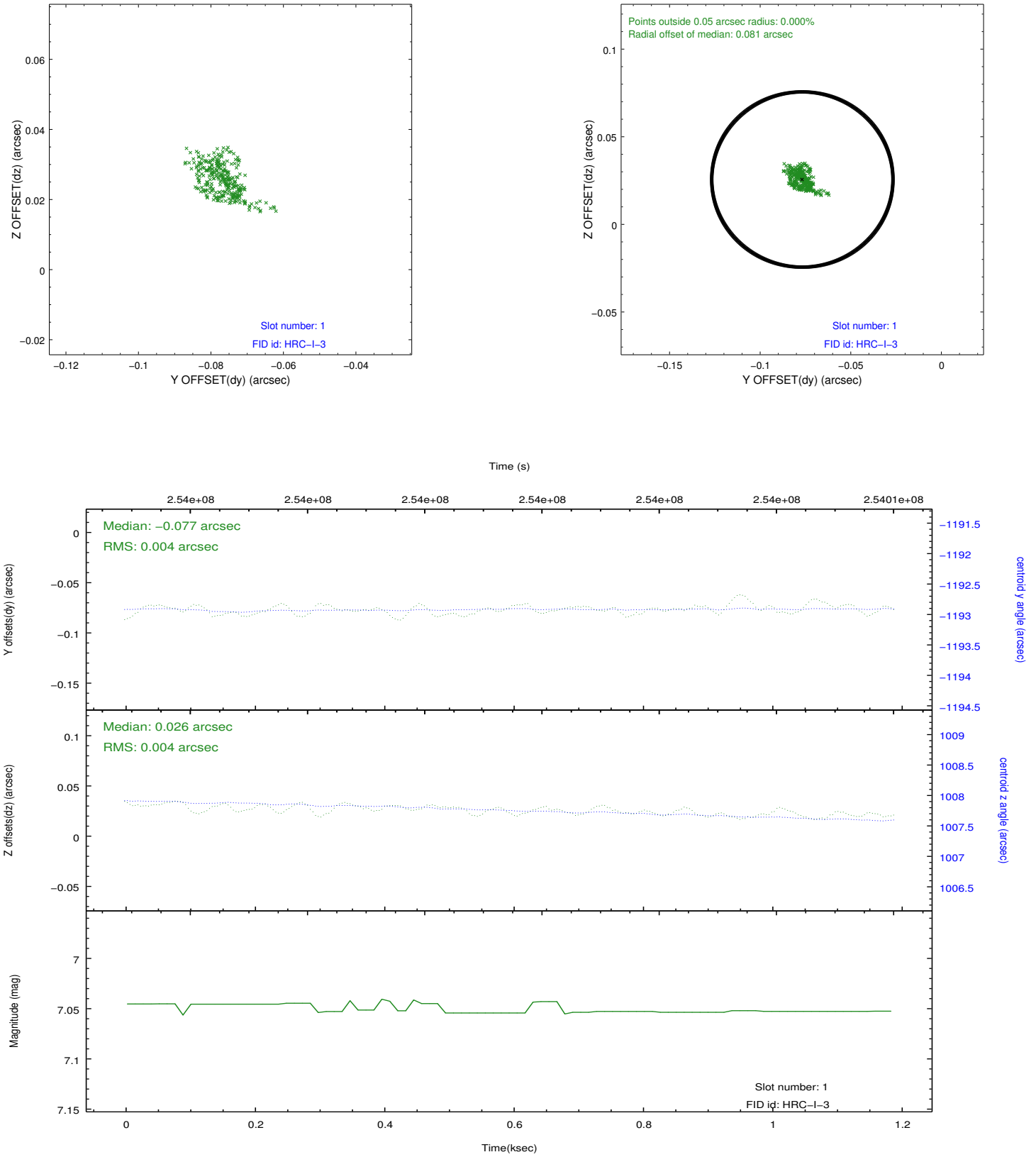


## 2.5 FID Slots

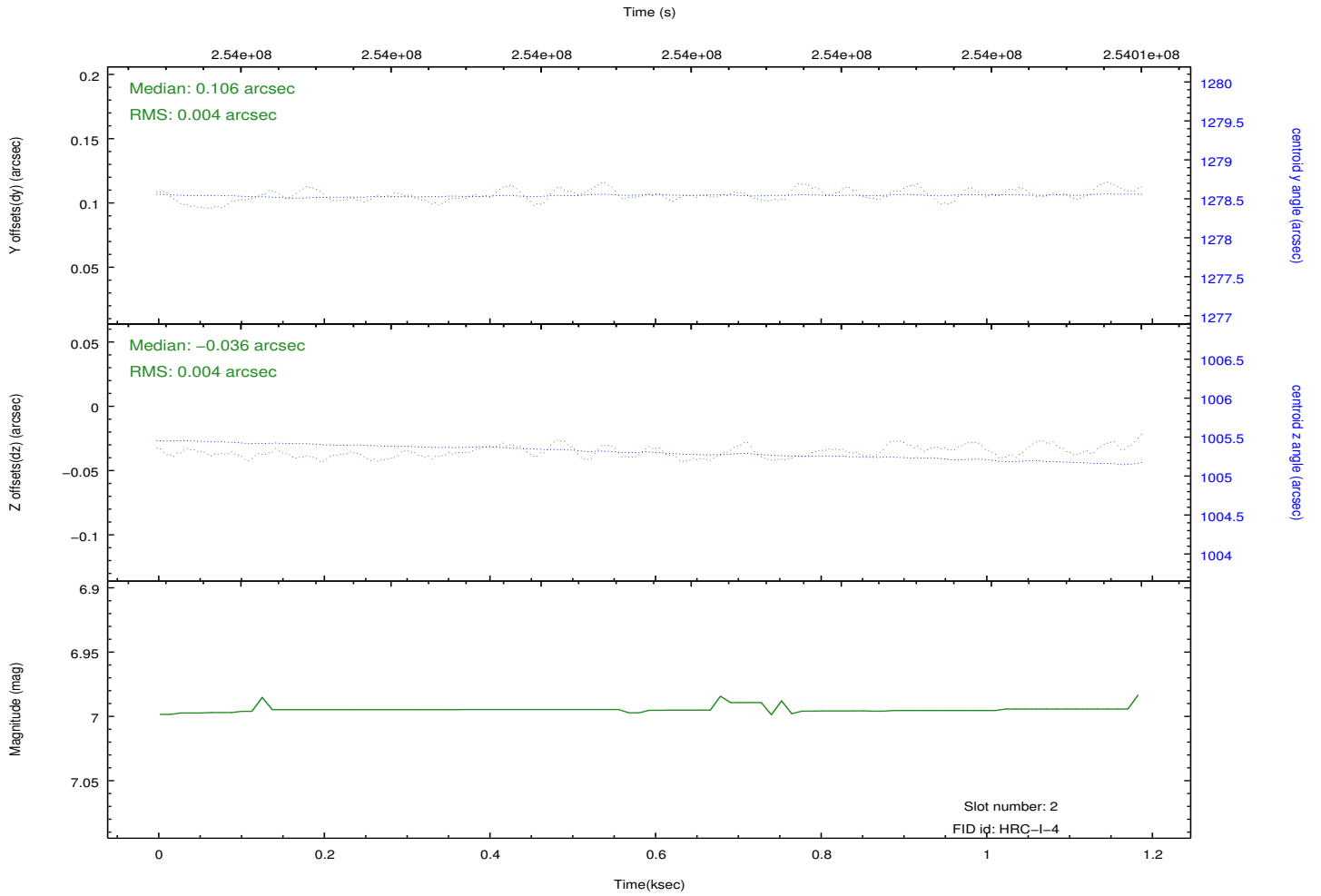
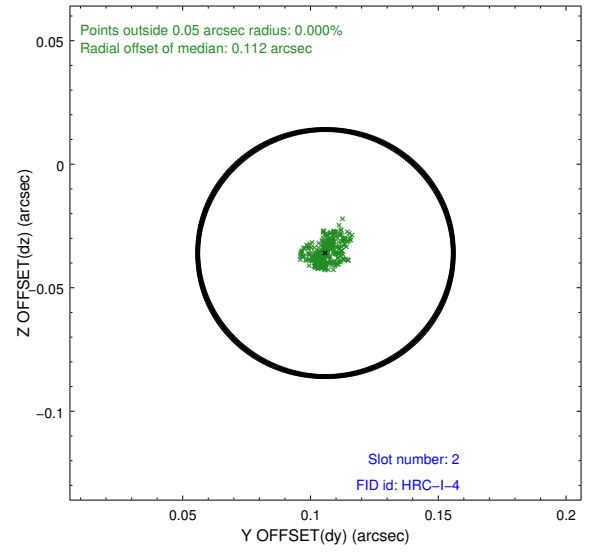
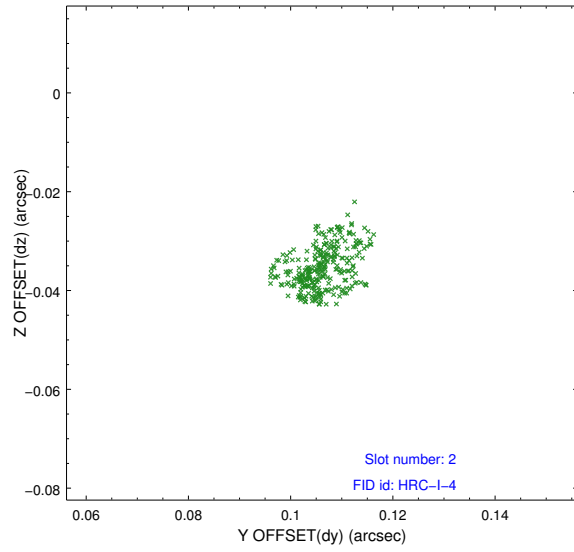
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1902813

### A.2 Comments