

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 12503 - L2 Version 3  
Chandra X-Ray Center

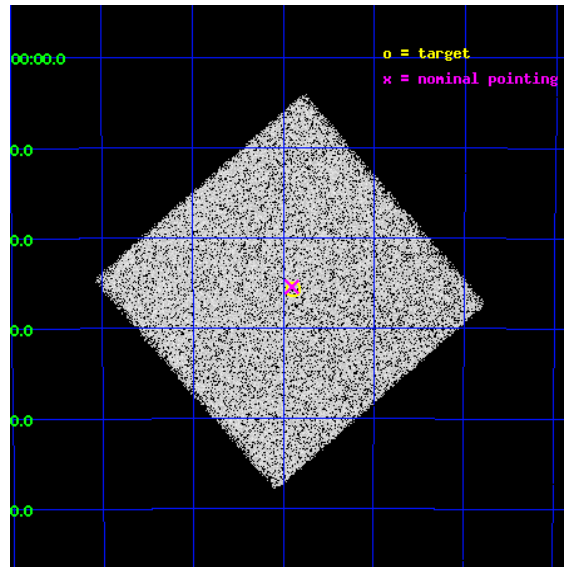
L2 Processing Date : Jul 27 2012

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# 1 Front

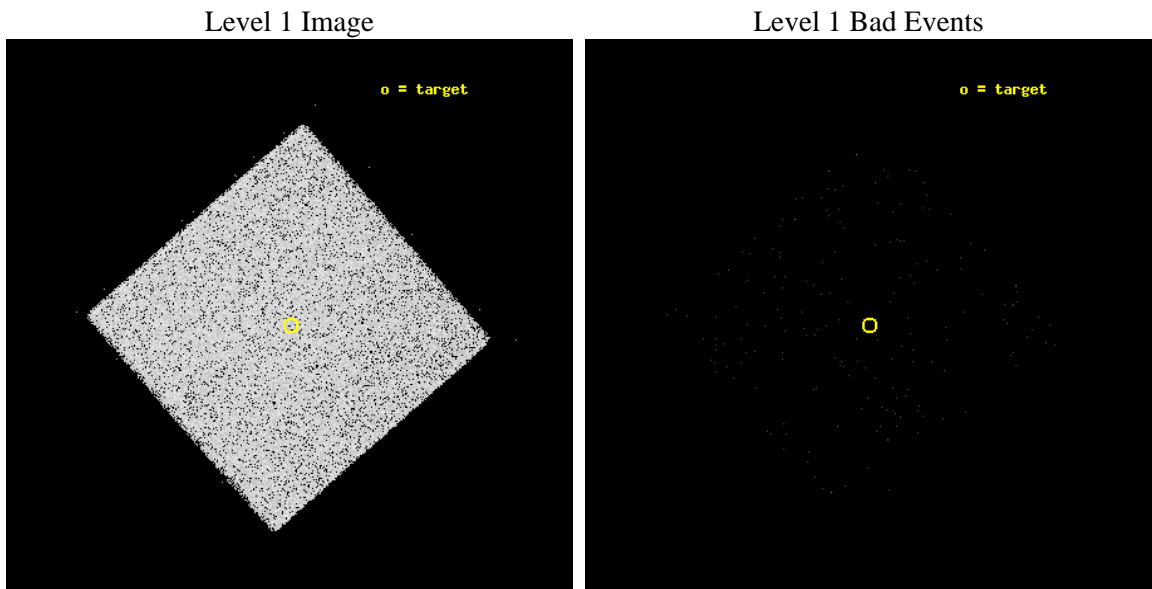
seq_num	401244	Sequence number
obs_id	12503	Observation id
title	Refining the positions of soft gamma-ray sources with Chandra	Prop
observer	Dr. Arash Bodaghee	Principal investigator
object	IGR J16358-4726	Source name
ra_targ	248.974167	Observer's specified target RA [deg]
dec_targ	-47.428083	Observer's specified target Dec [deg]
ra_nom	248.97631327552	Nominal RA [deg]
dec_nom	-47.423984155064	Nominal Dec [deg]
roll_nom	93.816682875647	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1155.4313096404	[s]
livetime	1143.1183667084	Ontime multiplied by DTCOR
l2events	85189	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	1155.4313096404	[s]
caldsver	4.5.1	&#160	l1events	221096	Number of level 1 events
date	2012-07-27T20:13:41	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

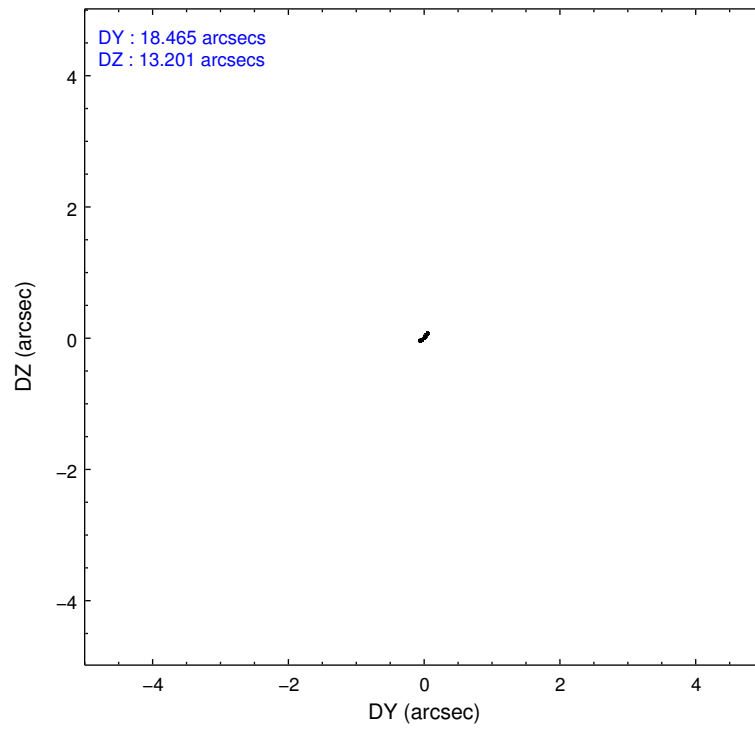
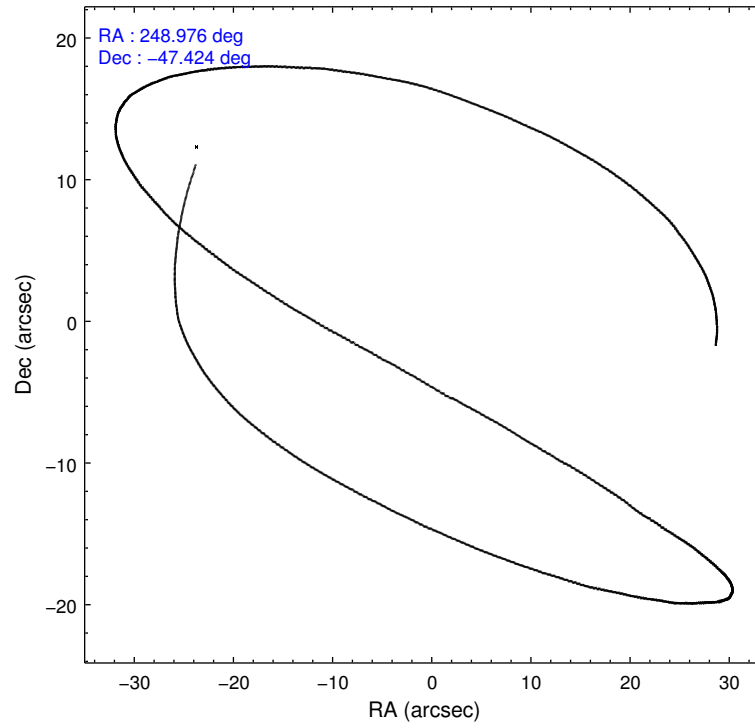
#### Level 1 Events

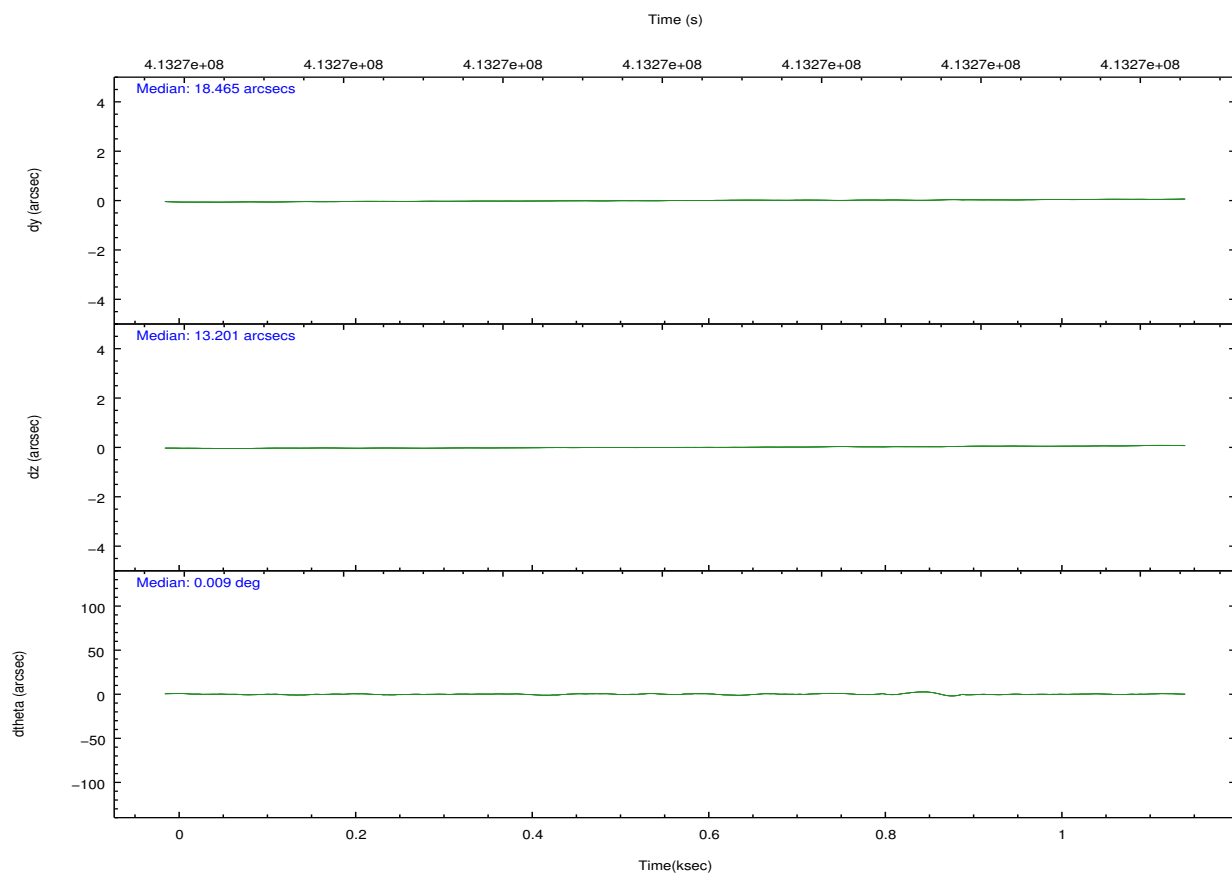
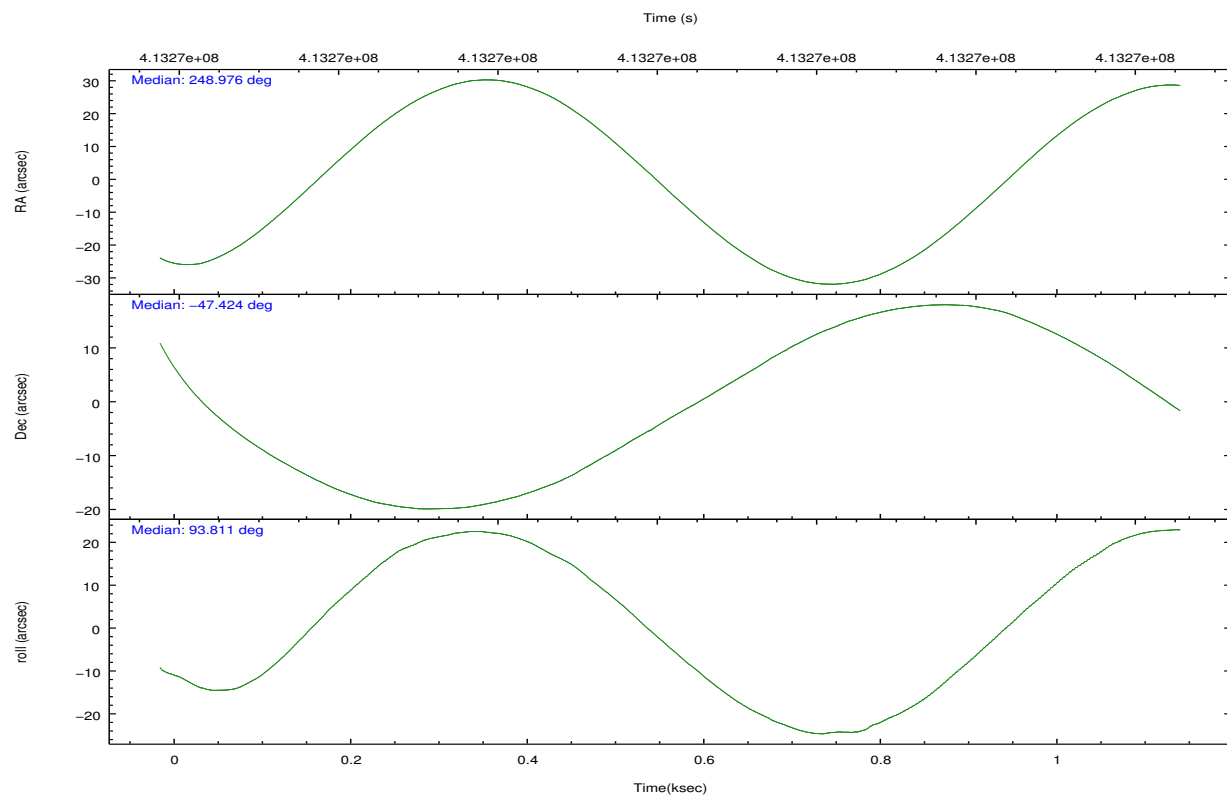
	<b>segment 0</b>
level 1 events	221096
rejected events	101303
rejected %	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	248.999230	248.9763132755189			
[deg] Pointing Dec	-47.446304	-47.42398415506354			
[deg] Pointing Roll	93.928989	93.81668287564655			
[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)	413272779.184000	413271681.31748			
Observation start date	2011-02-05T05:58:33	2011-02-05T05:41:21			
[s] Observation end time (MET)	413273779.184000	413274901.35515			
Observation end date	2011-02-05T06:15:13	2011-02-05T06:35:01			

## 2.3 Aspect





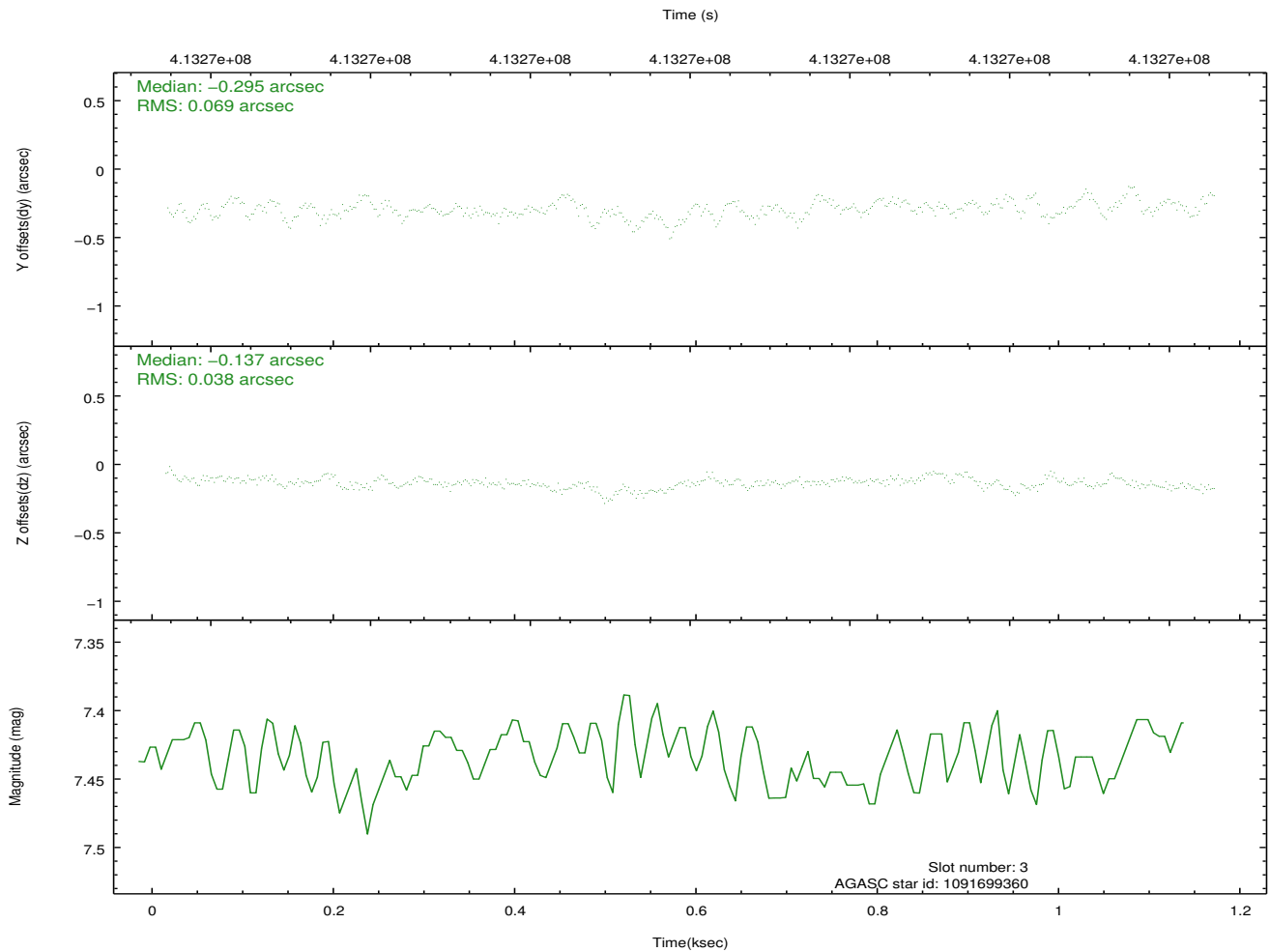
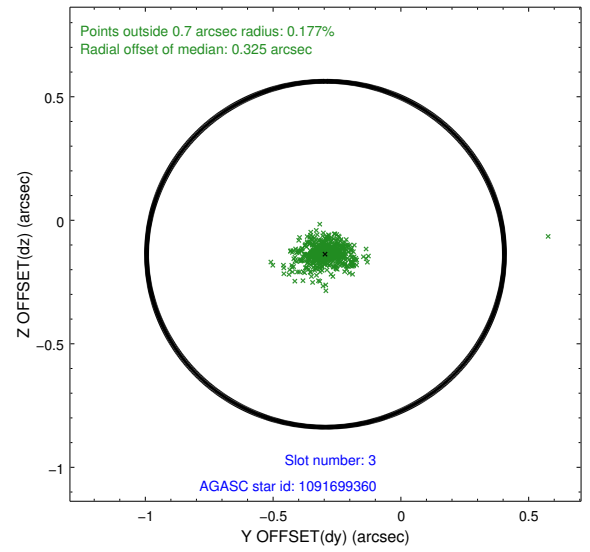
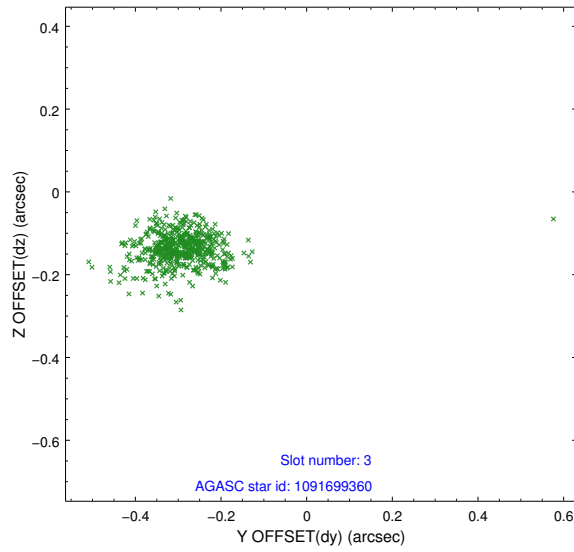
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.93	282	-0.074	0.055	0.006	0.011	0.000000	0.000000	-774.44	-1301.18
1	FID	HRC-I-2	6.97	282	0.239	-0.145	0.006	0.010	0.000000	0.000000	835.76	-1307.57
2	FID	HRC-I-3	7.01	282	-0.045	-0.000	0.005	0.009	0.000000	0.000000	-1199.93	998.69
3	GUIDE	1091699360	7.43	565	-0.295	-0.137	0.072	0.125	248.660725	-47.004364	1641.99	720.96
4	GUIDE	1091702440	8.74	565	0.055	-0.272	0.095	0.142	248.295809	-47.683380	-739.83	1761.61
5	GUIDE	1091705016	7.85	565	0.022	0.475	0.063	0.107	249.888030	-47.558250	-563.46	-2121.43
6	GUIDE	1091709768	7.72	565	0.061	0.143	0.067	0.103	249.435228	-47.706899	-1012.43	-992.28
7	GUIDE	1091698696	8.80	564	0.172	-0.194	0.093	0.149	248.529134	-48.079711	-2202.95	1283.18

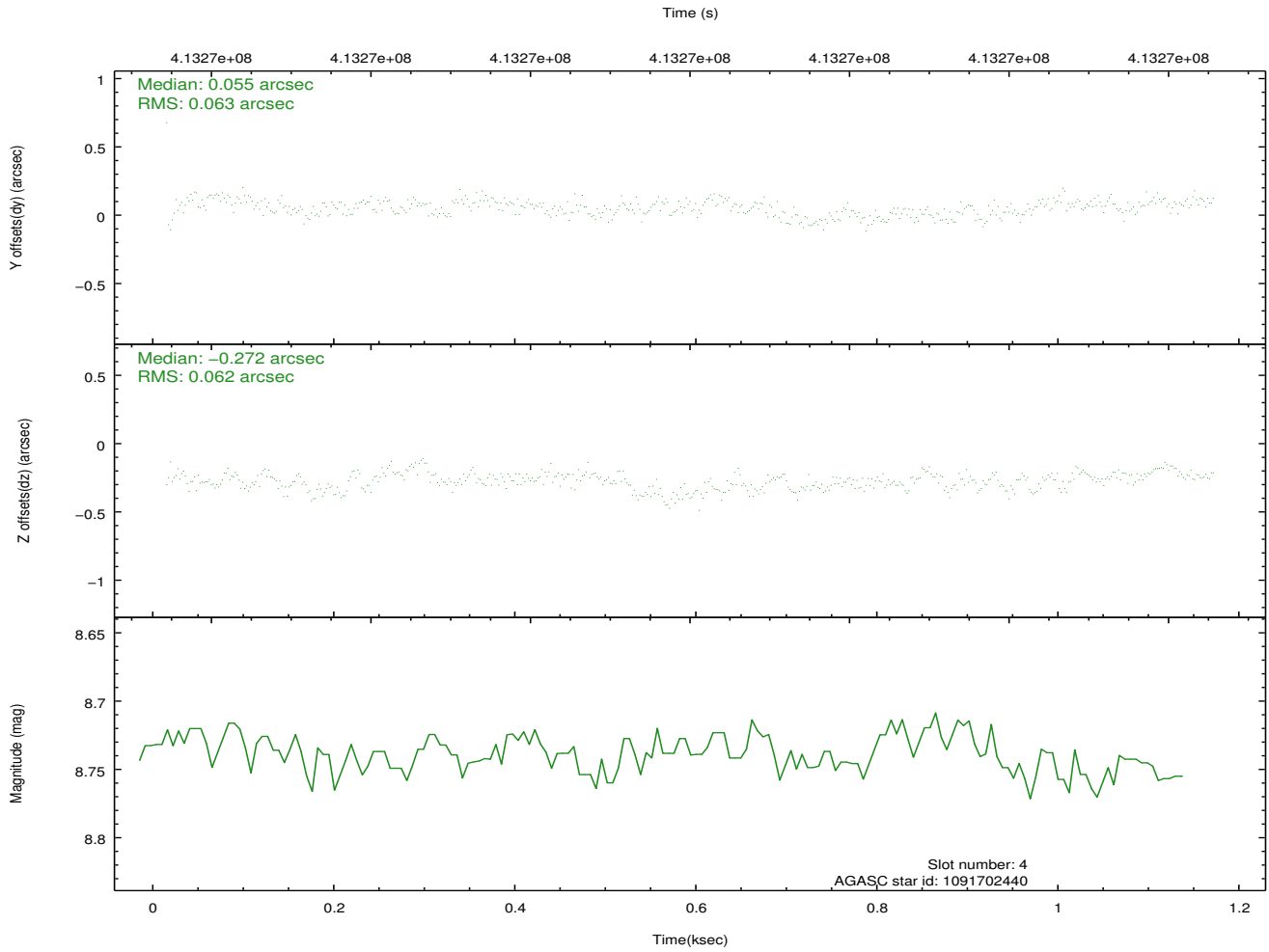
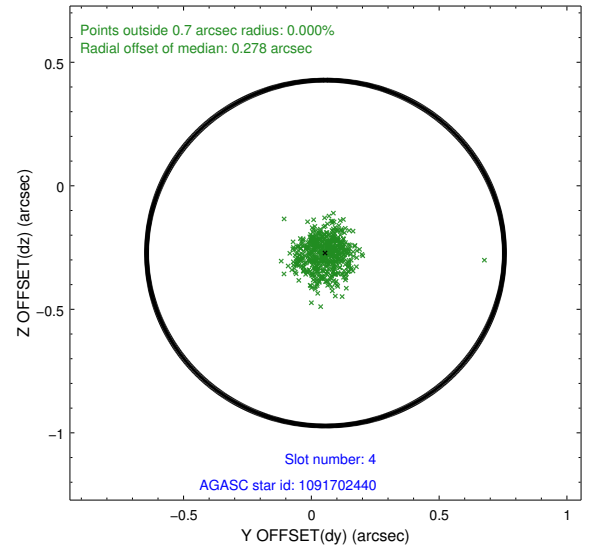
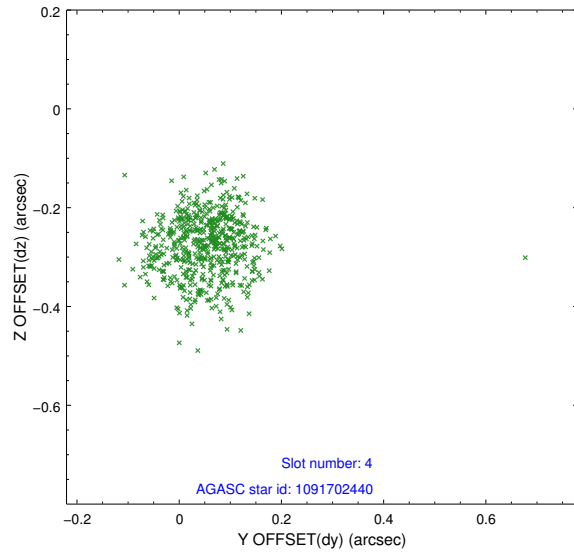


## 2.4 Star Slots

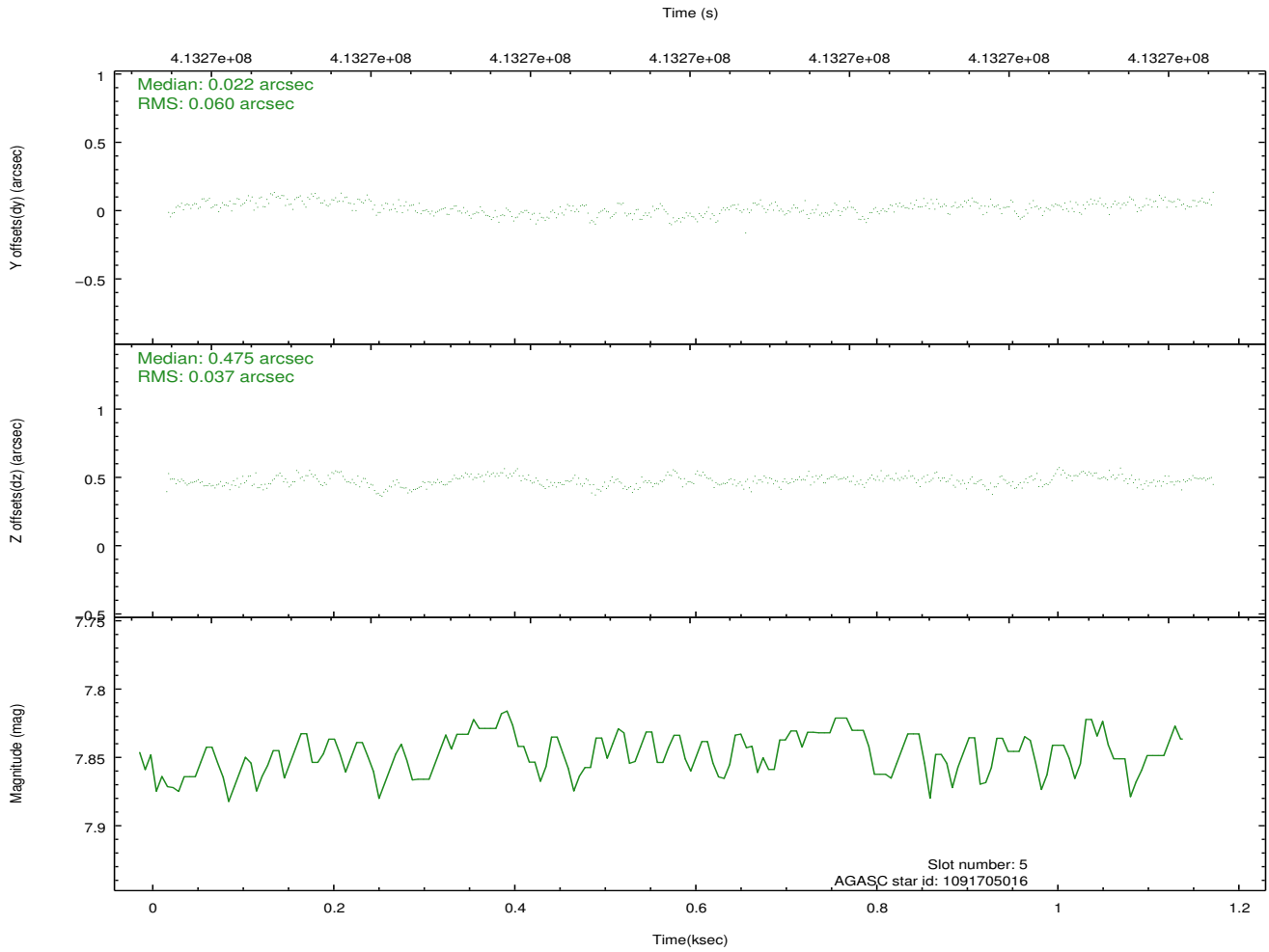
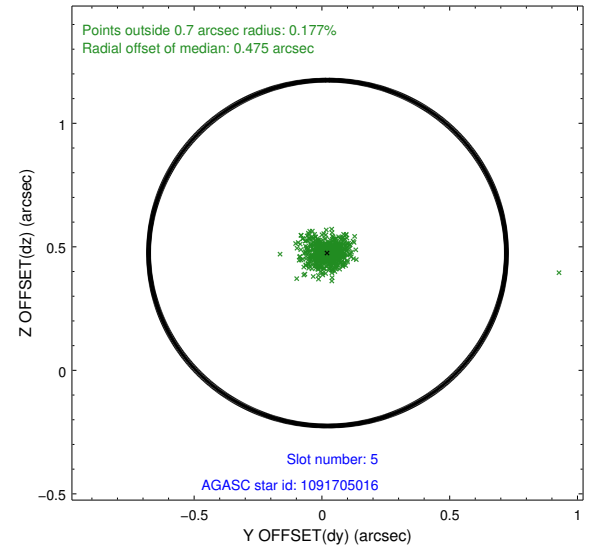
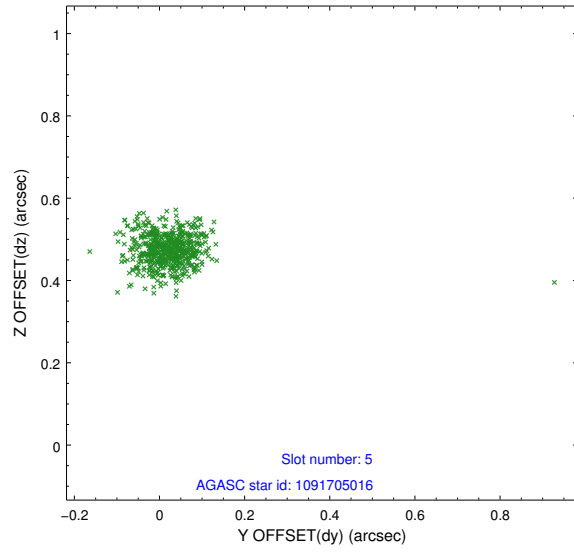
### 2.4.1 Slot 3



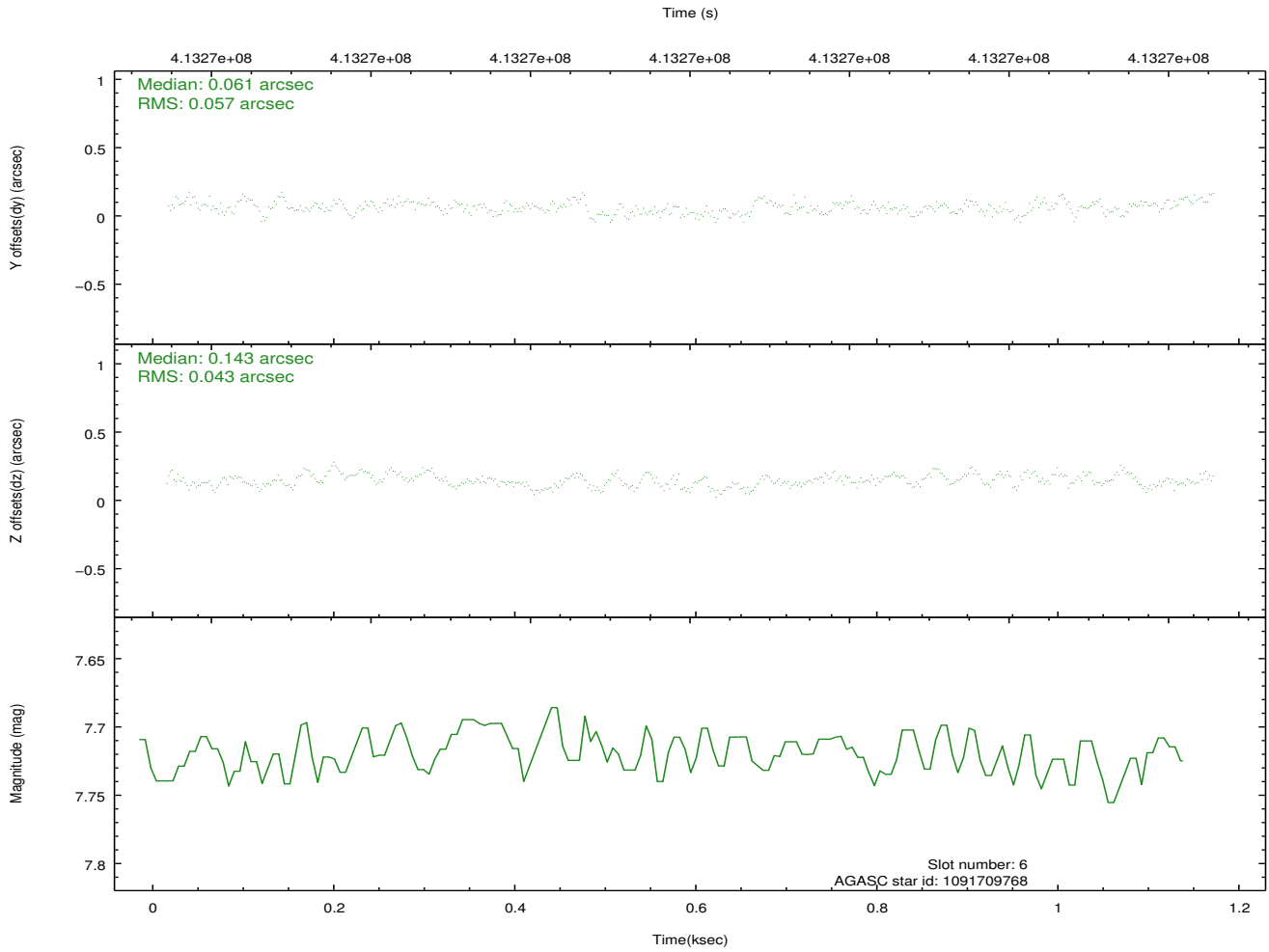
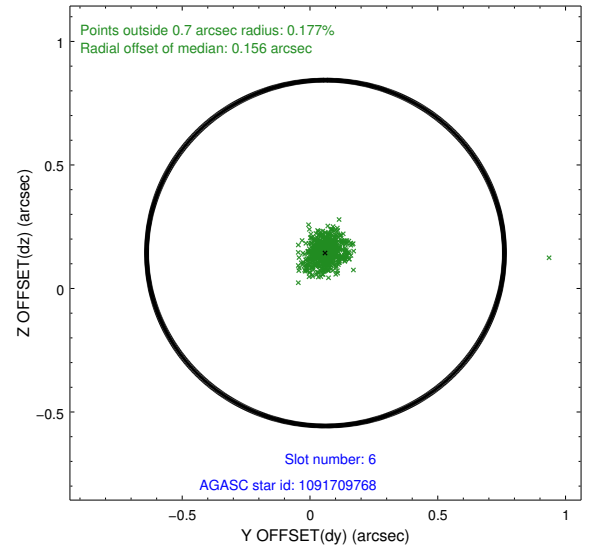
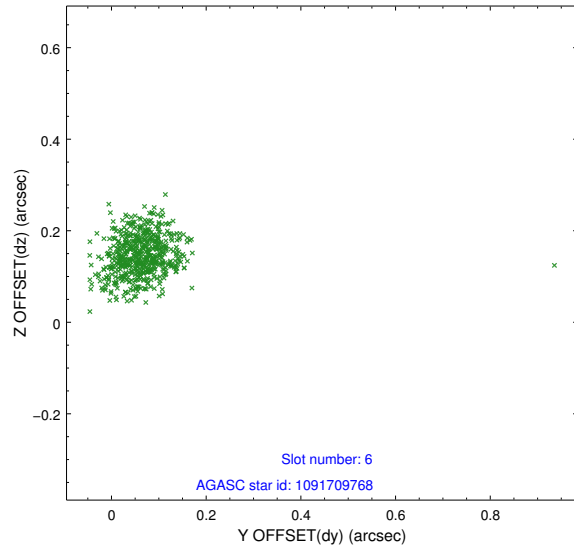
## 2.4.2 Slot 4



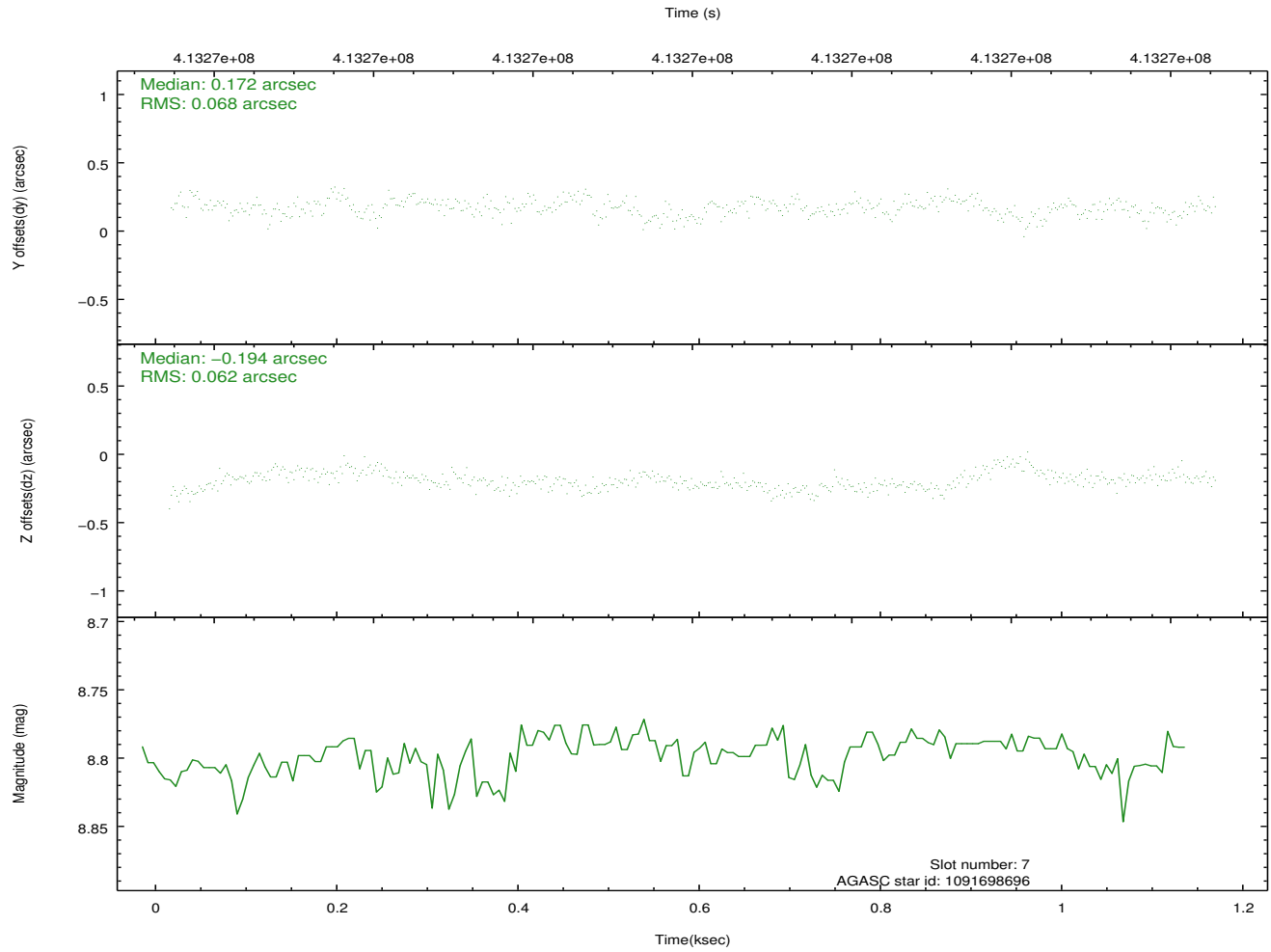
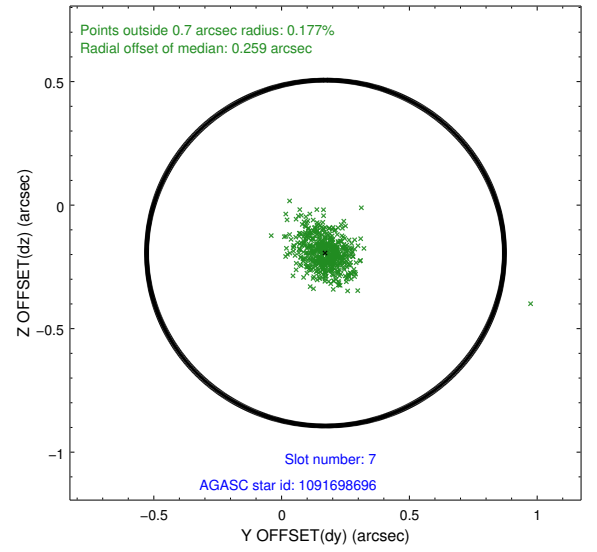
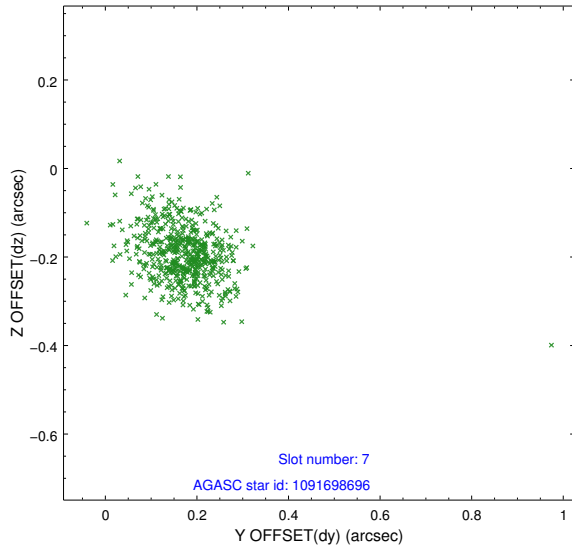
### 2.4.3 Slot 5



## 2.4.4 Slot 6

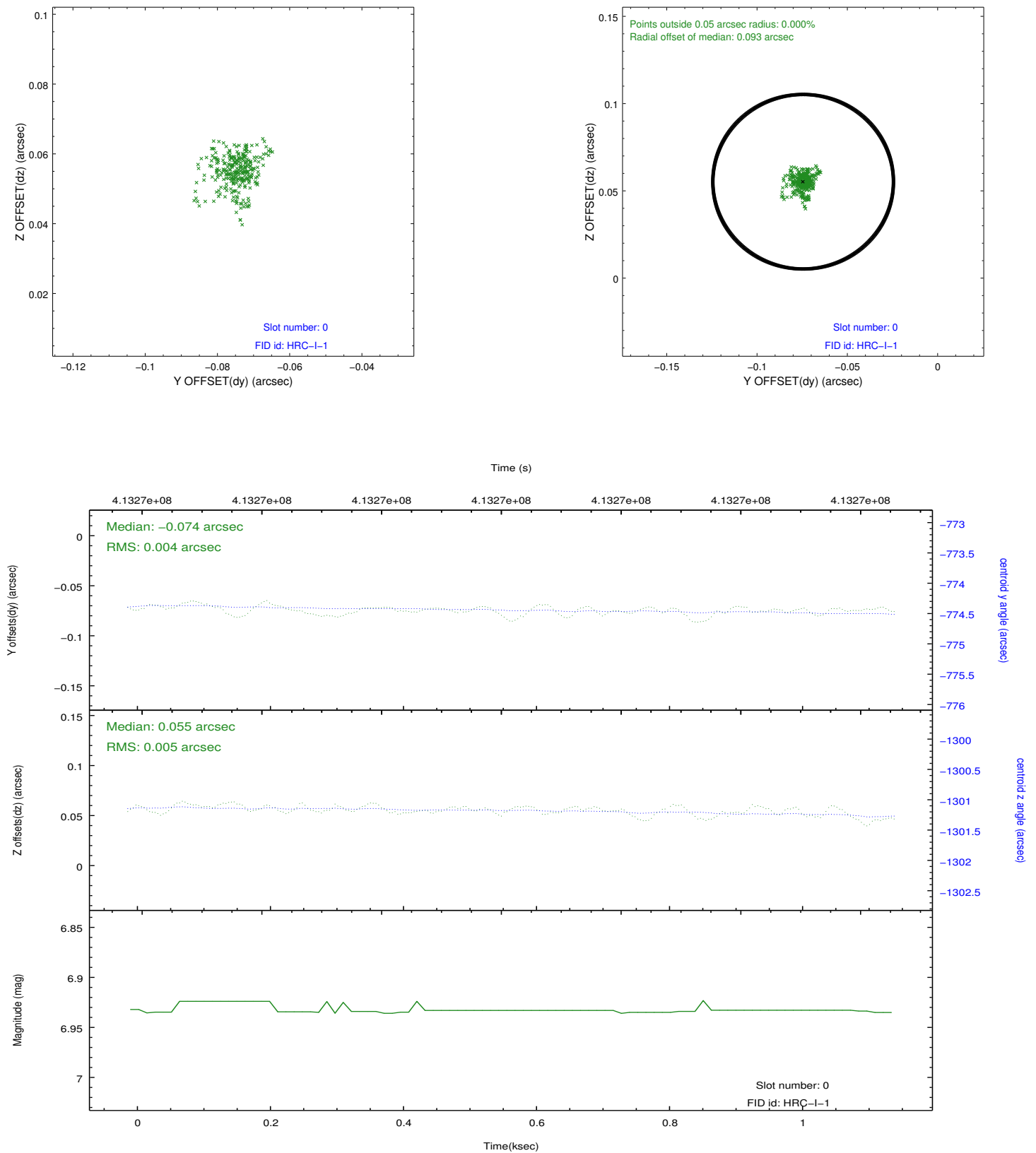


## 2.4.5 Slot 7

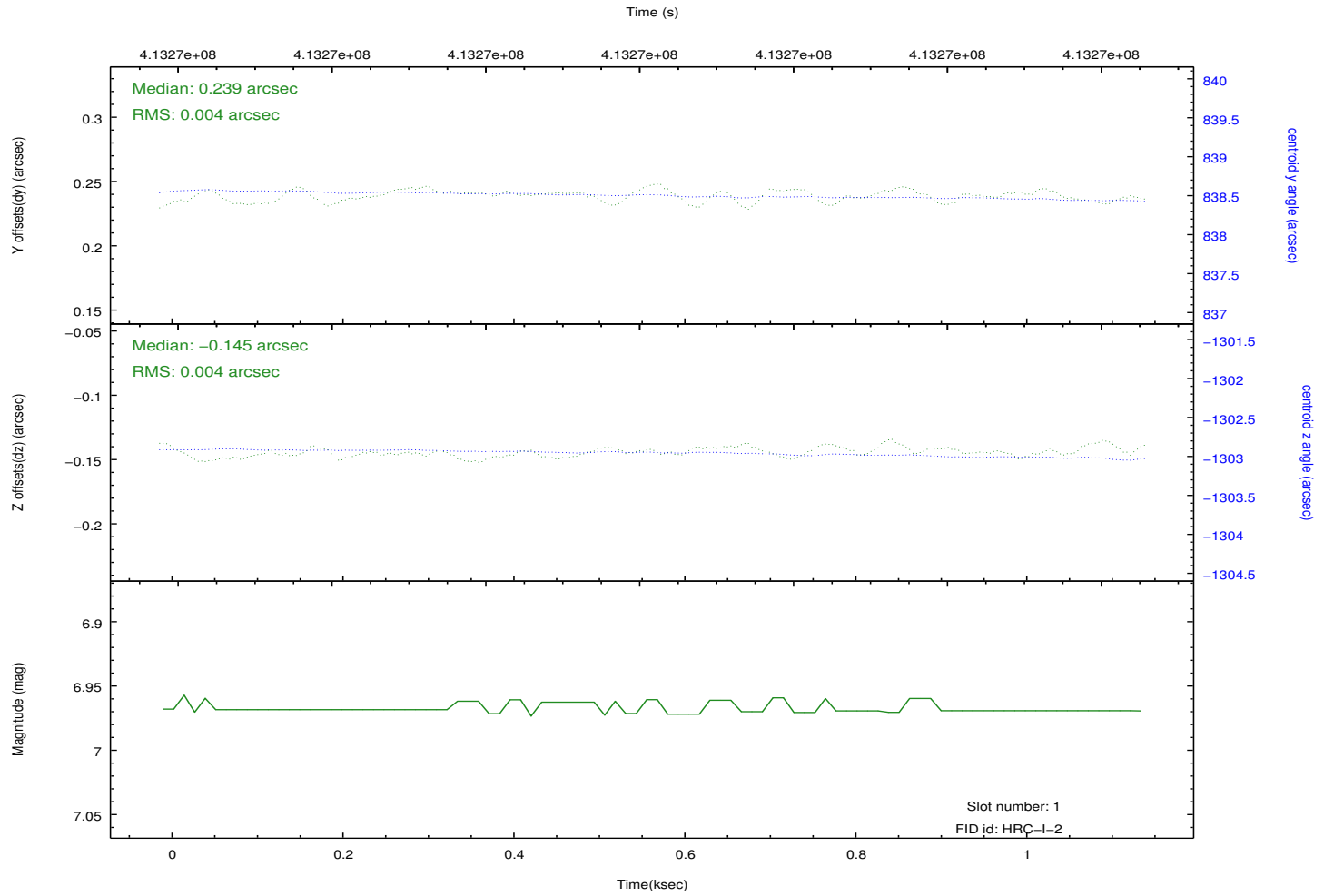
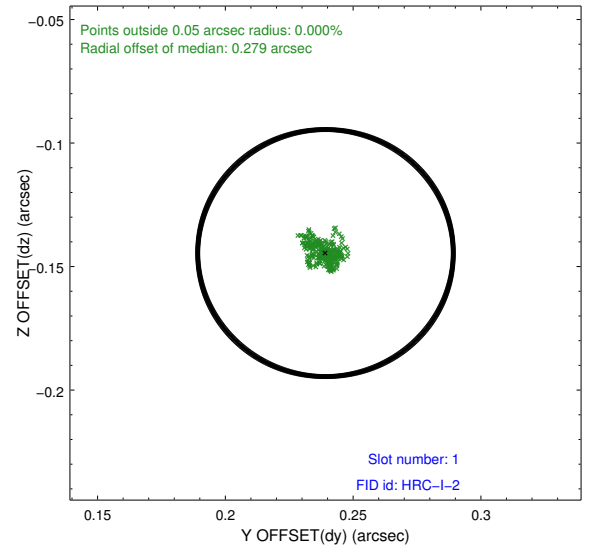
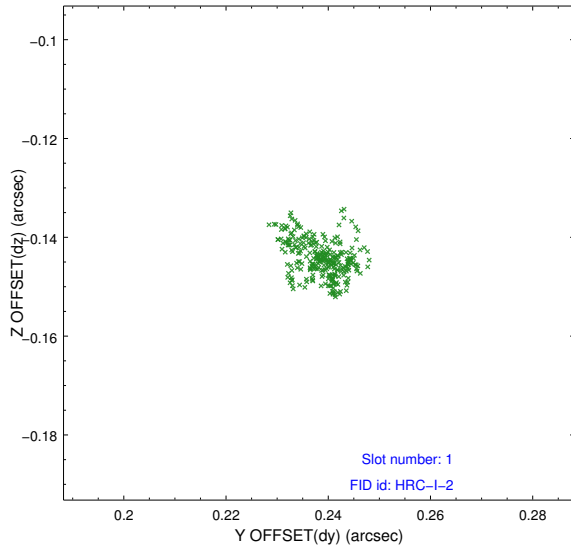


## 2.5 FID Slots

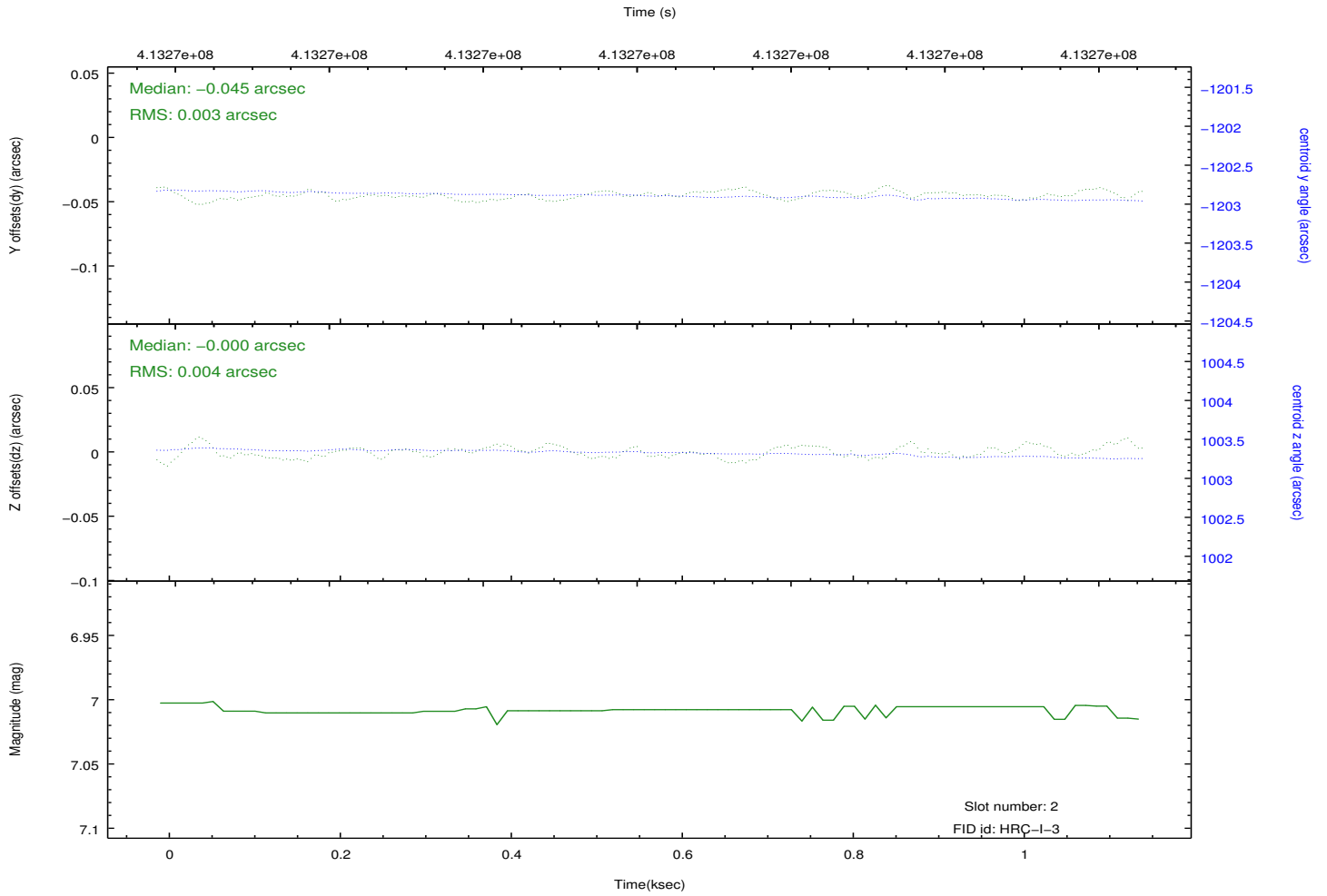
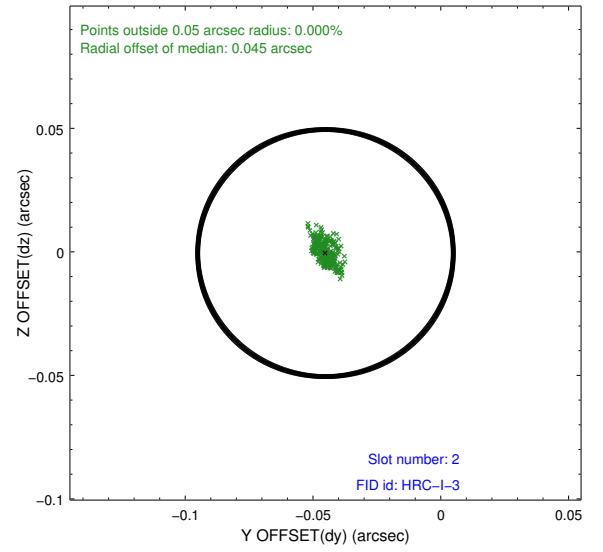
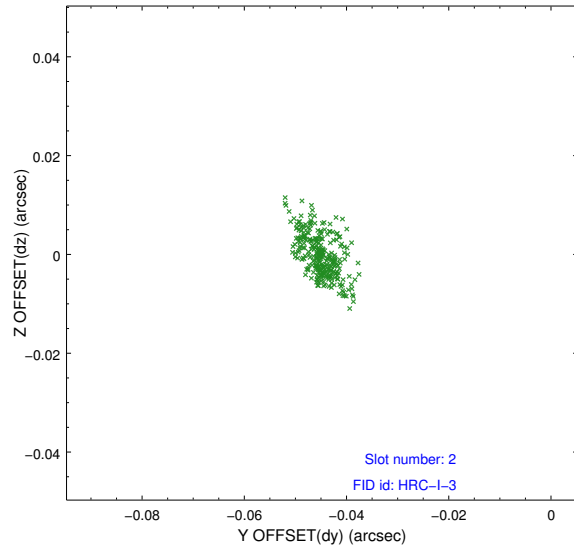
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.155175059855

### A.2 Comments