

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7471 - L2 Version 3  
Chandra X-Ray Center

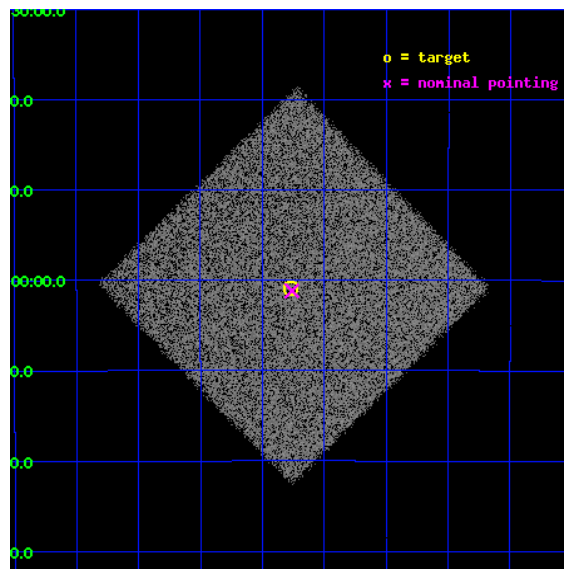
L2 Processing Date : Aug 12 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

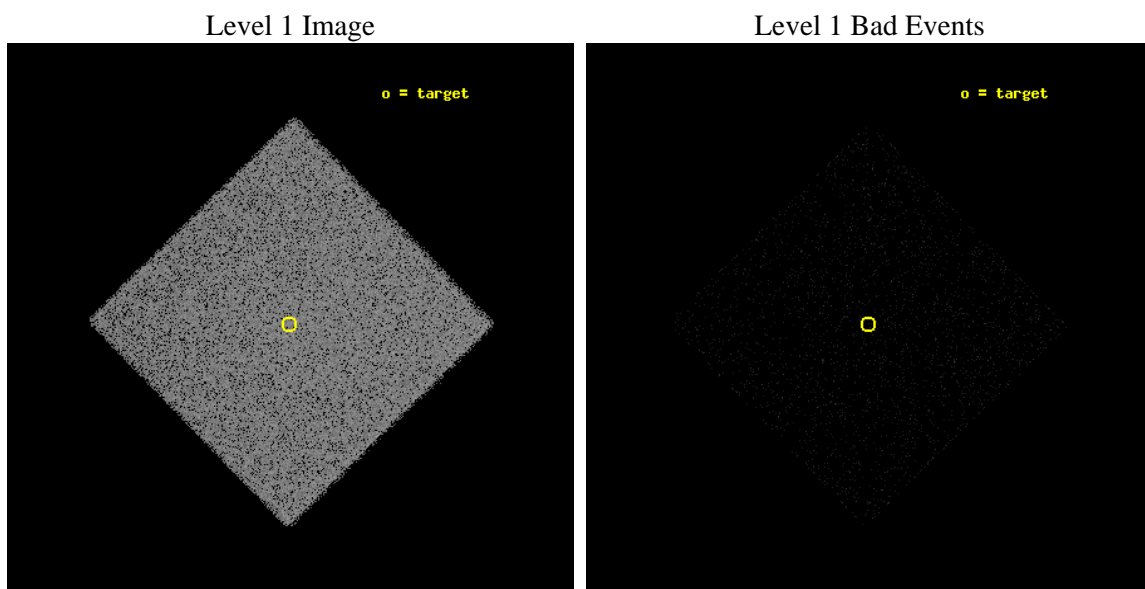
seq_num	400581	Sequence number
obs_id	7471	Observation id
title	Chandra follow-up of weak persistent sources	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	IGR J17597-2201	Source name
ra_targ	269.941667	Observer's specified target RA [deg]
dec_targ	-22.015	Observer's specified target Dec [deg]
ra_nom	269.94032266058	Nominal RA [deg]
dec_nom	-22.01945756692	Nominal Dec [deg]
roll_nom	270.74091246415	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1192.3313075304	[s]
livetime	1180.3982374685	Ontime multiplied by DTCOR
l2events	69265	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	1192.3313075304	[s]
caldbver	4.5.1.1	&#160	l1events	147677	Number of level 1 events
date	2012-08-12T06:29:36	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

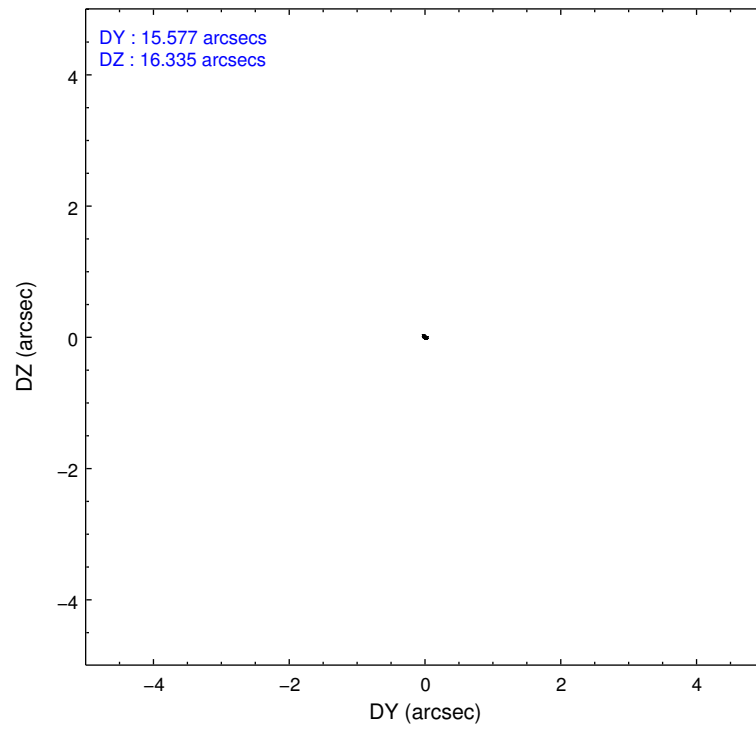
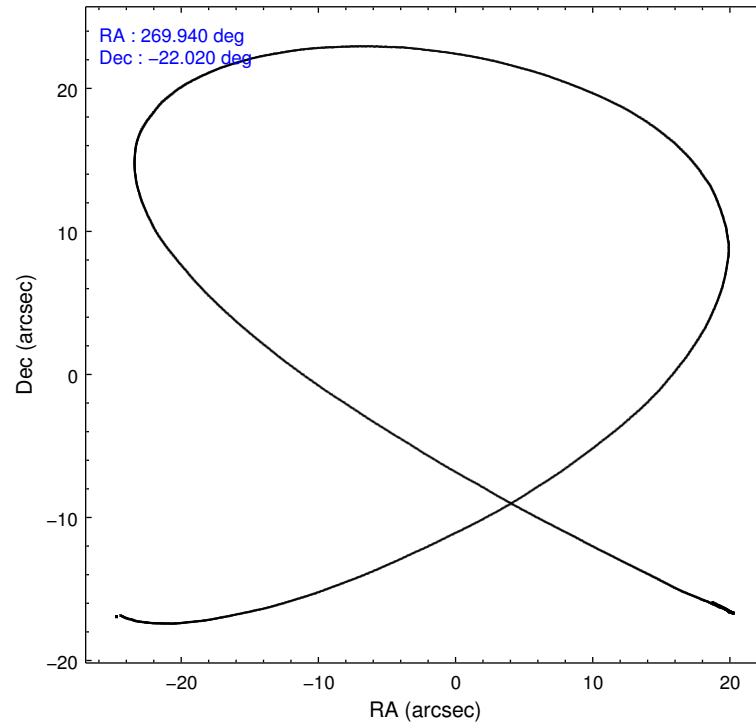
	<b>segment 0</b>
level 1 events	147677
rejected events	45357
rejected %	30%

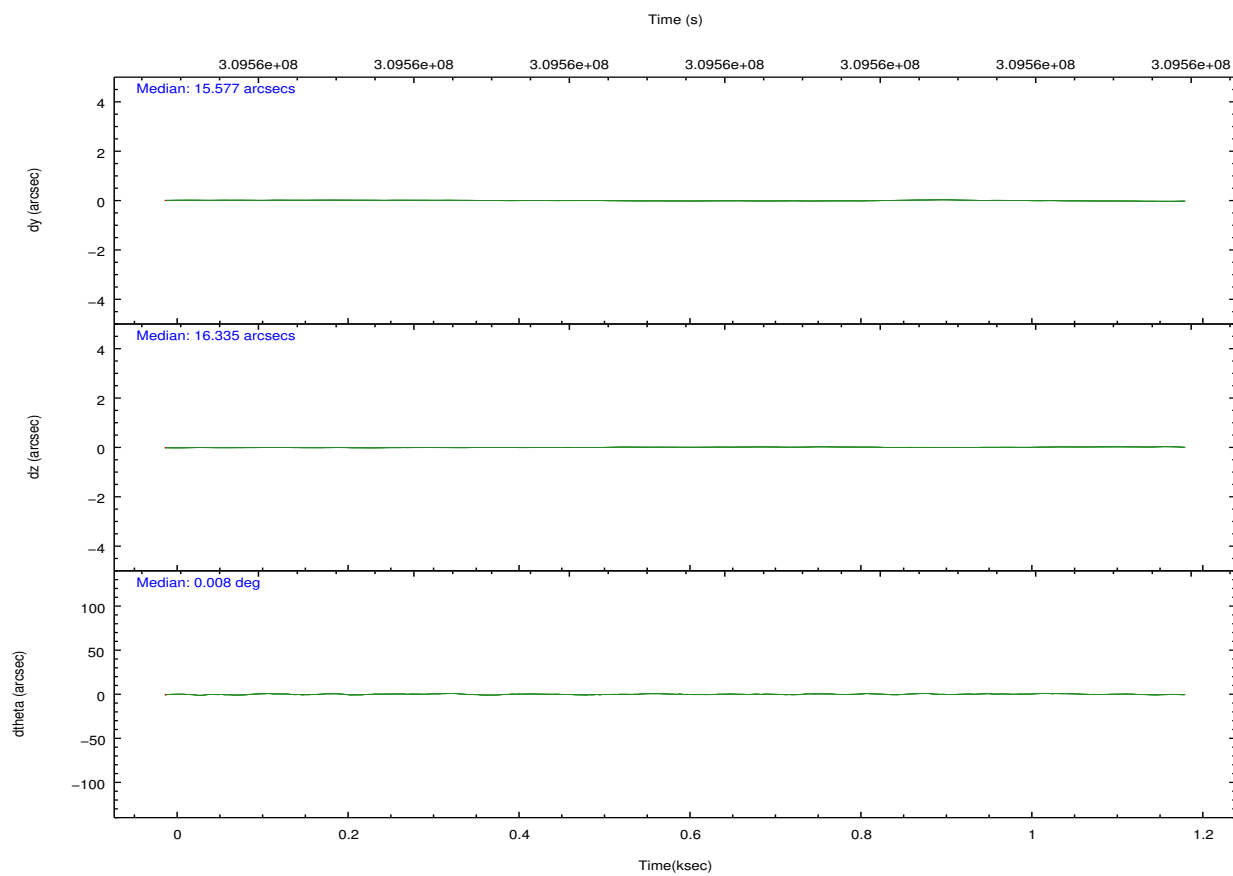
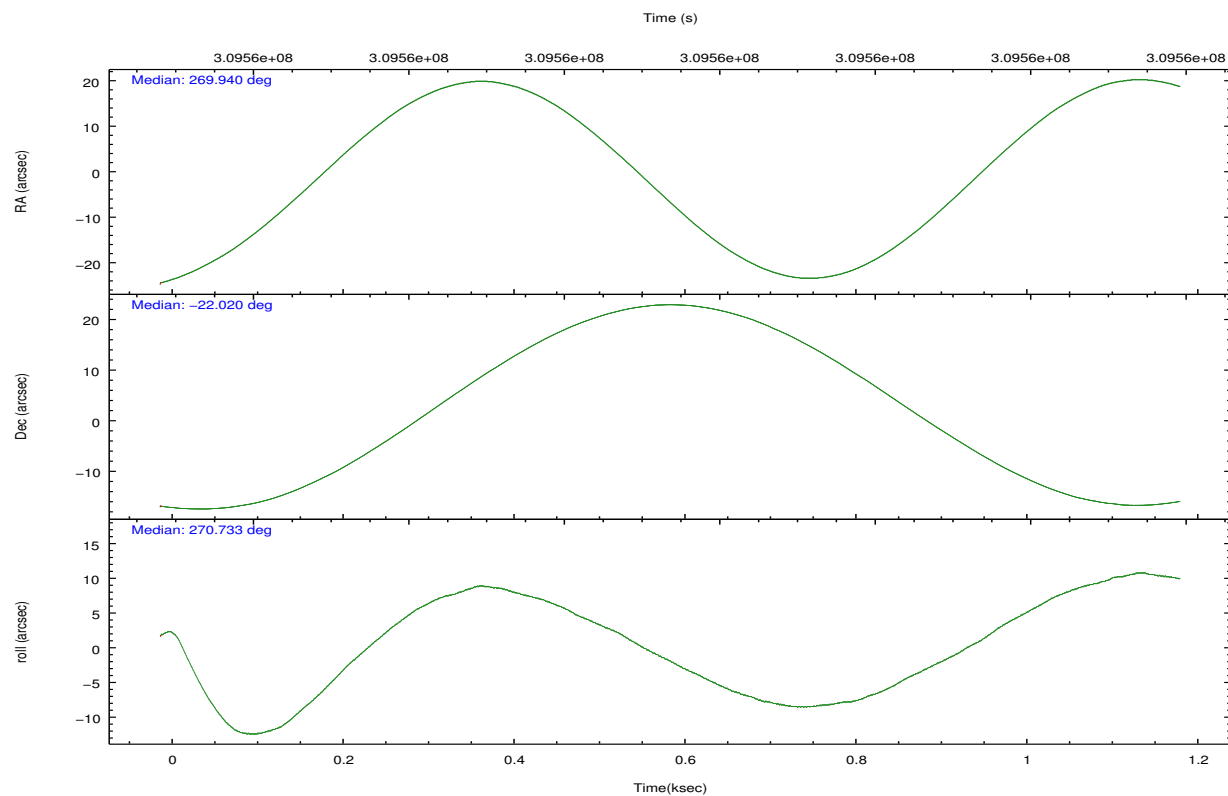
## 2.2 Compared Parameters

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	269.924470	269.9403226605775
[deg] Pointing Dec	-21.995903	-22.01945756691982
[deg] Pointing Roll	270.830337	270.7409124641461
[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)	309555124.184000	309554606.22655
Observation start date	2007-10-23T19:30:59	2007-10-23T19:23:26
[s] Observation end time (MET)	309556124.184000	309556331.30163
Observation end date	2007-10-23T19:47:39	2007-10-23T19:52:11

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

## 2.3 Aspect





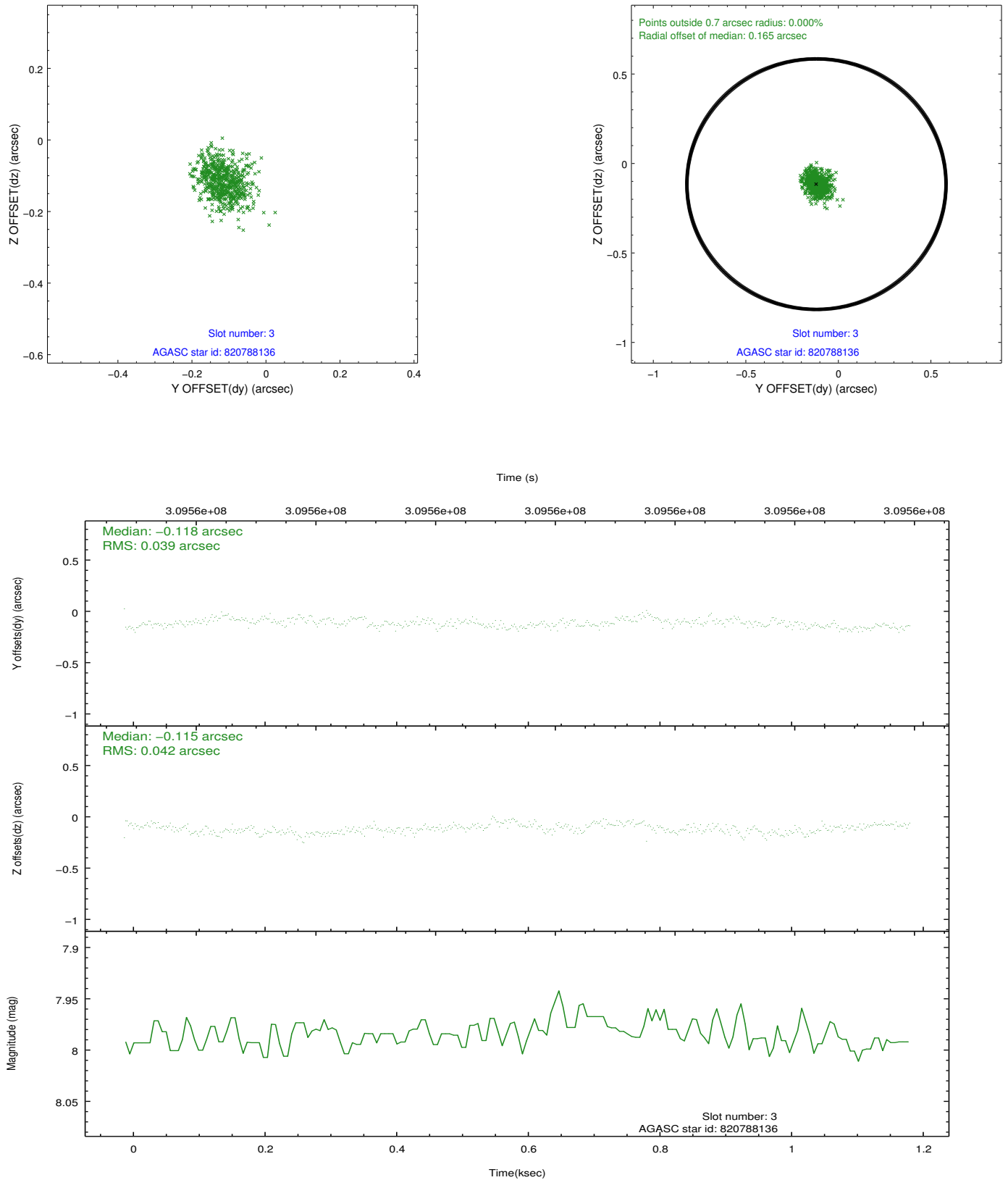
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	292	-0.067	0.004	0.006	0.012	0.000000	0.000000	-771.45	-1304.46
1	FID	HRC-I-2	7.01	292	0.191	-0.089	0.005	0.010	0.000000	0.000000	838.79	-1310.58
2	FID	HRC-I-3	7.06	292	-0.005	-0.004	0.005	0.011	0.000000	0.000000	-1197.02	995.61
3	GUIDE	820788136	7.98	583	-0.118	-0.115	0.060	0.099	269.432922	-22.233732	833.76	-1651.15
4	GUIDE	820904384	8.34	582	-0.166	-0.000	0.075	0.117	270.591600	-21.963127	-81.25	2225.05
5	GUIDE	820905520	8.74	583	-0.101	-0.120	0.078	0.122	270.033888	-21.732770	-943.40	382.30
6	GUIDE	896673568	7.26	583	0.090	0.077	0.064	0.103	269.738578	-22.517547	1866.34	-645.25
7	GUIDE	820915424	8.93	582	0.291	0.143	0.088	0.140	270.577591	-22.329480	1238.85	2155.63

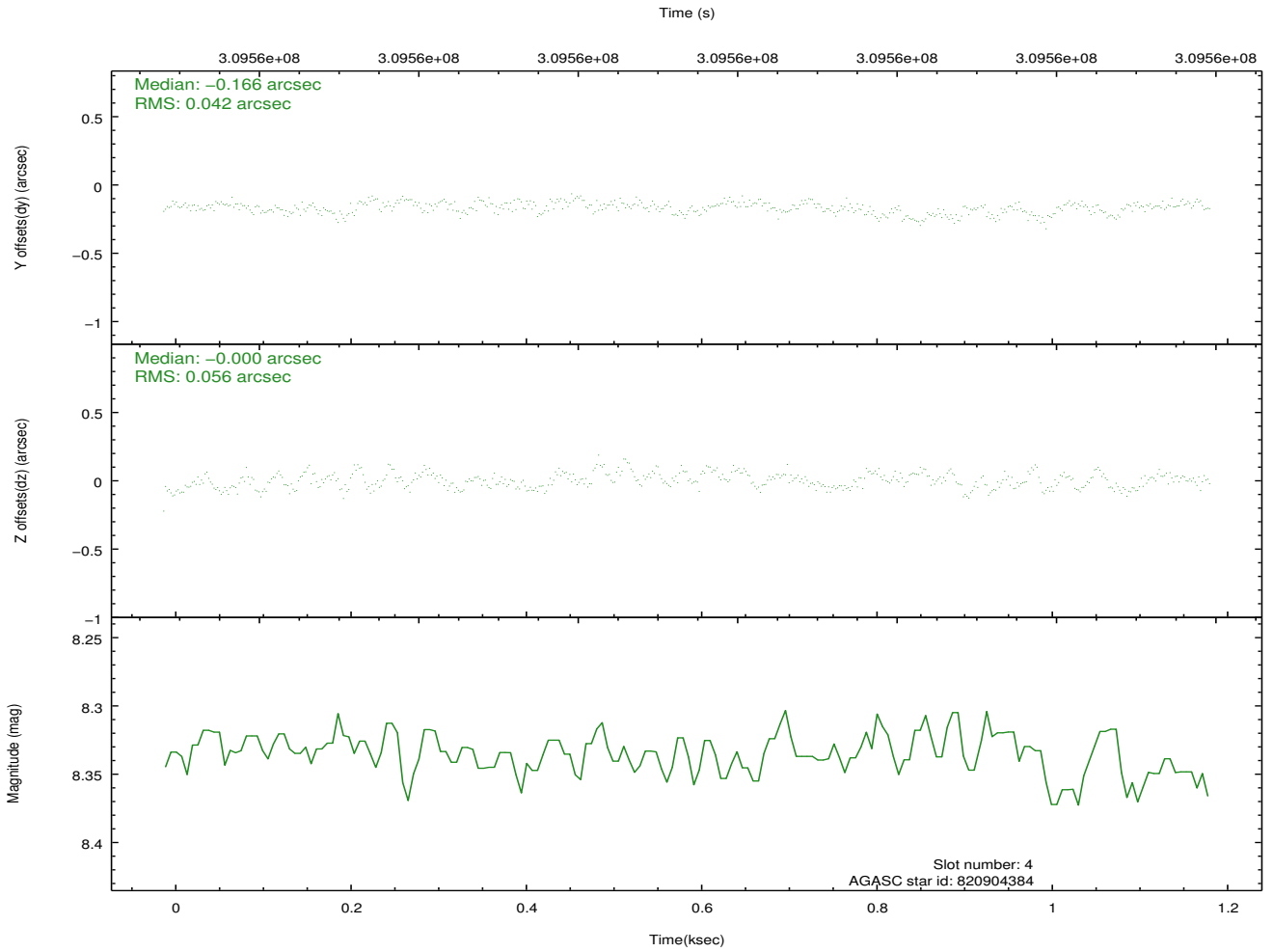
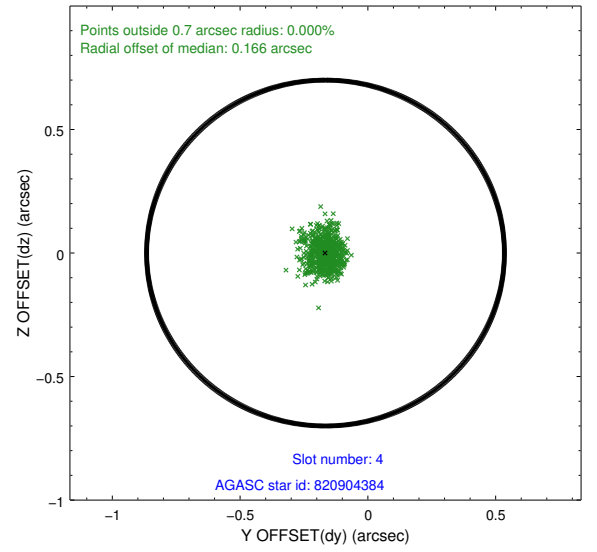
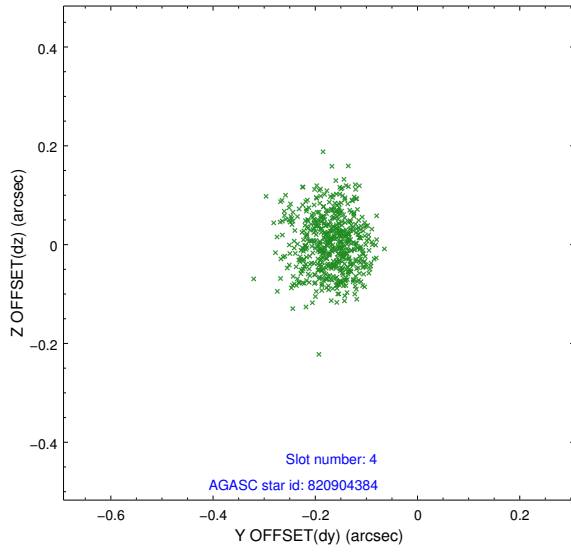


## 2.4 Star Slots

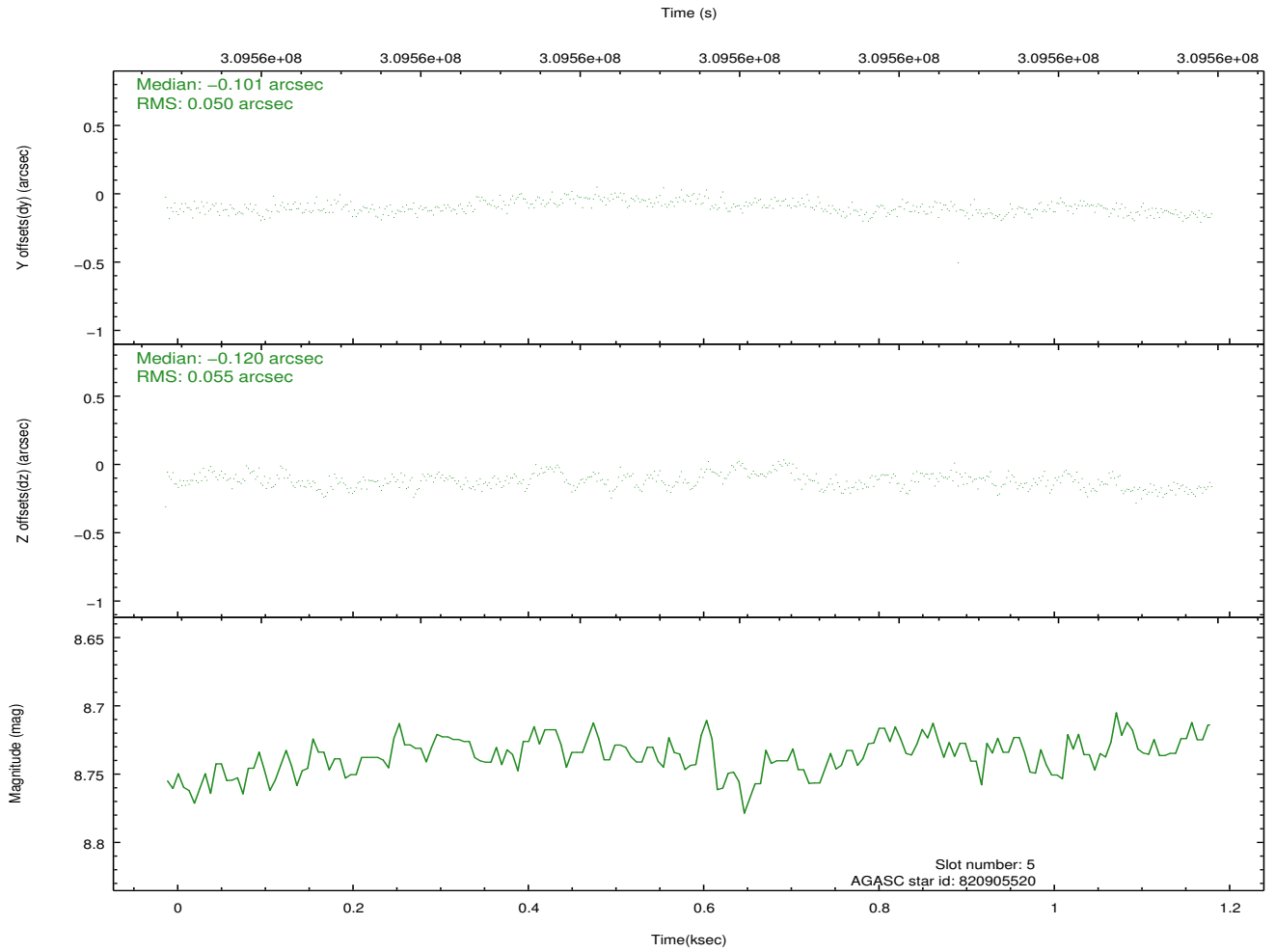
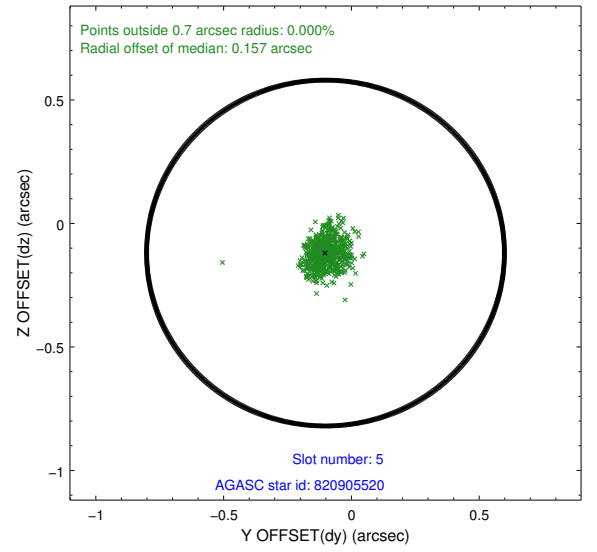
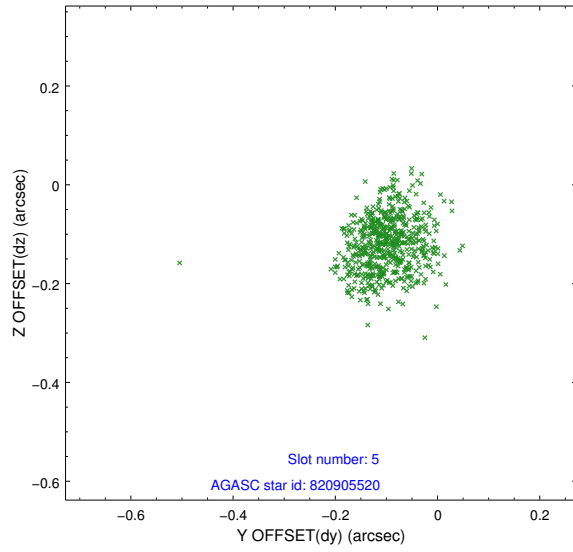
### 2.4.1 Slot 3



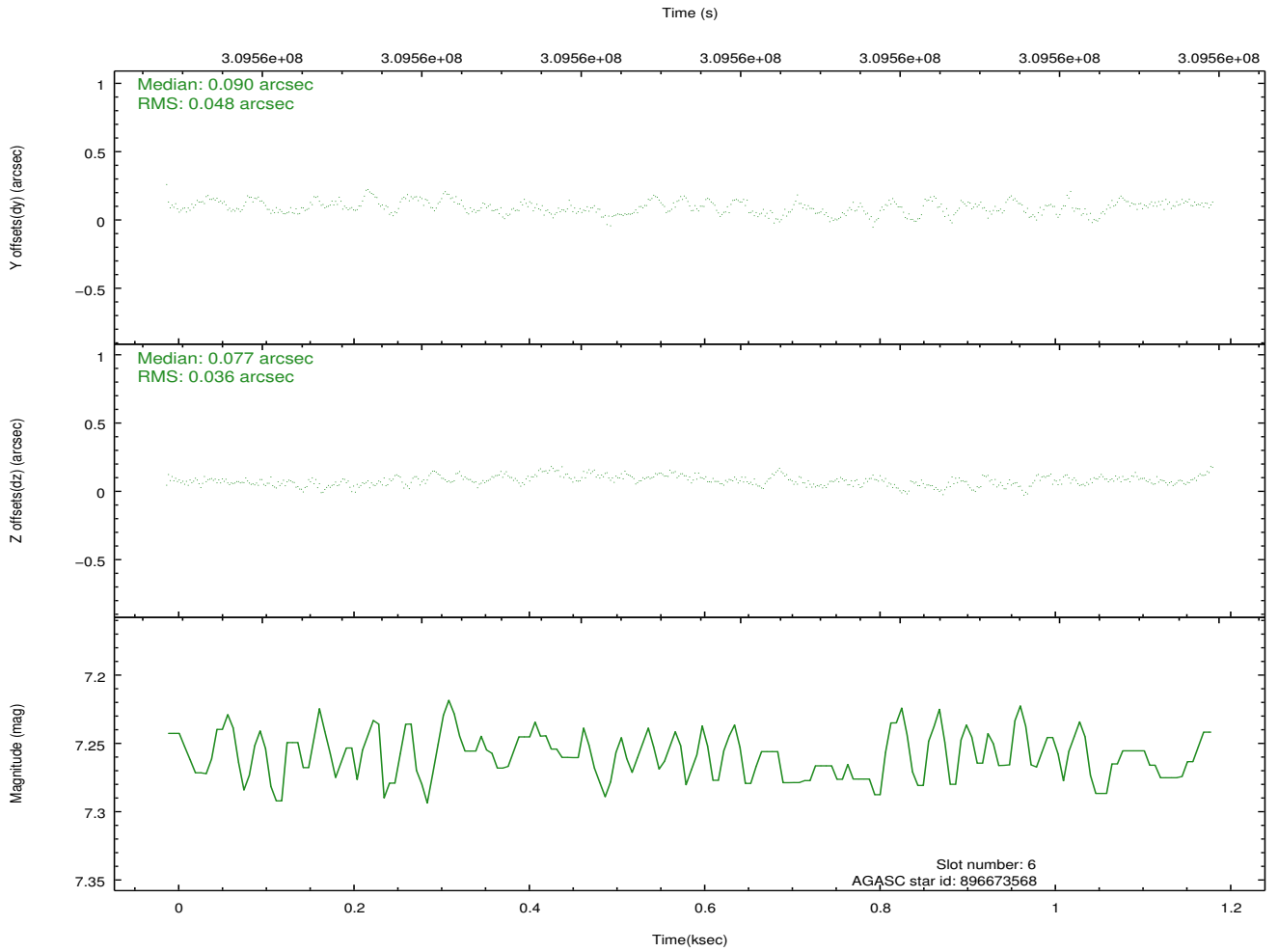
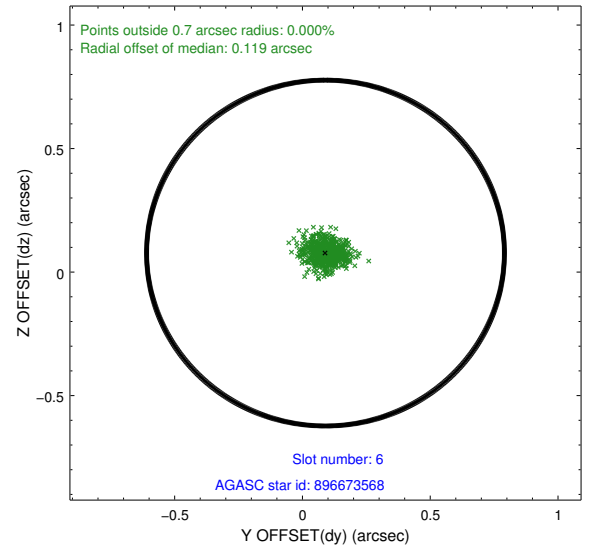
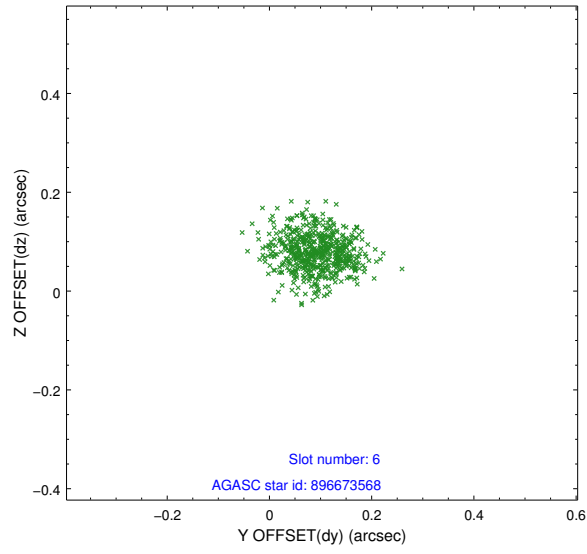
## 2.4.2 Slot 4



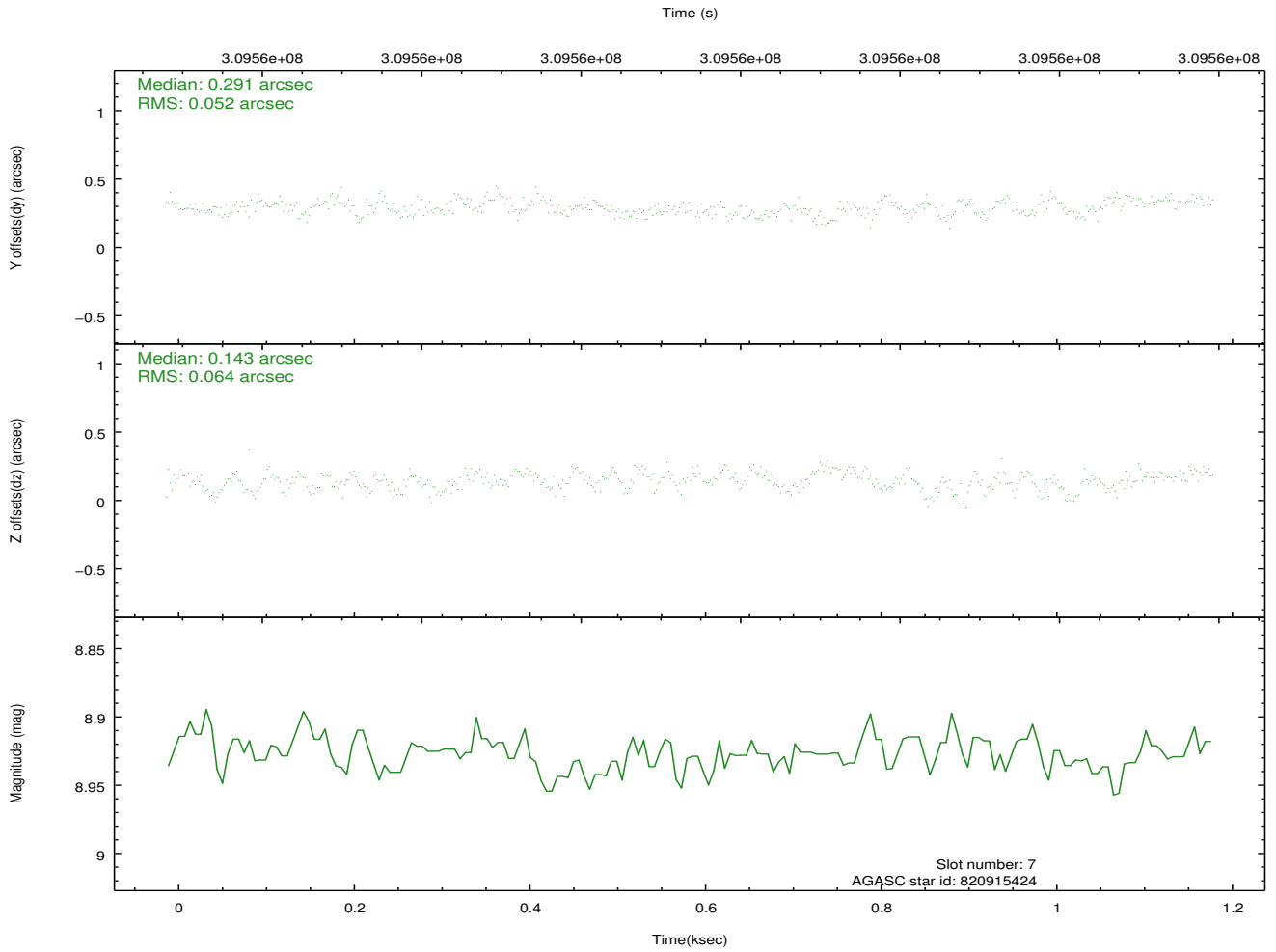
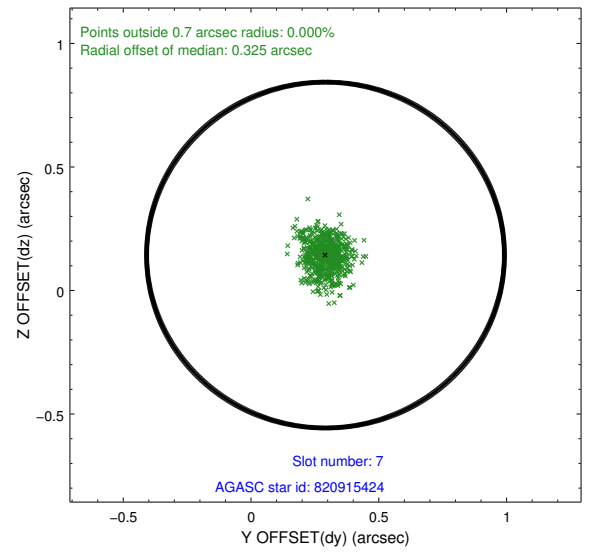
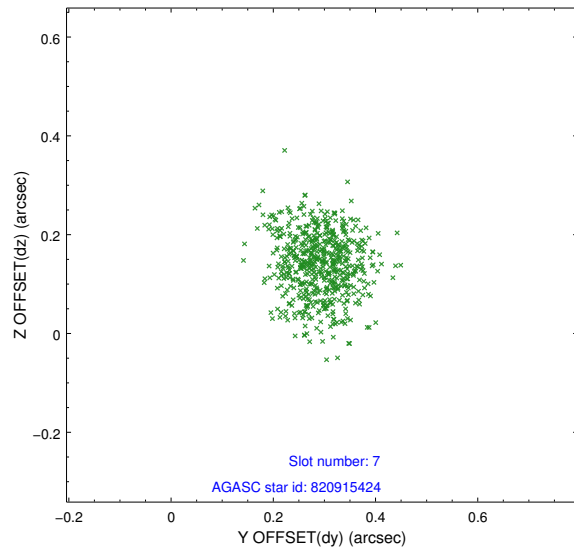
### 2.4.3 Slot 5



## 2.4.4 Slot 6

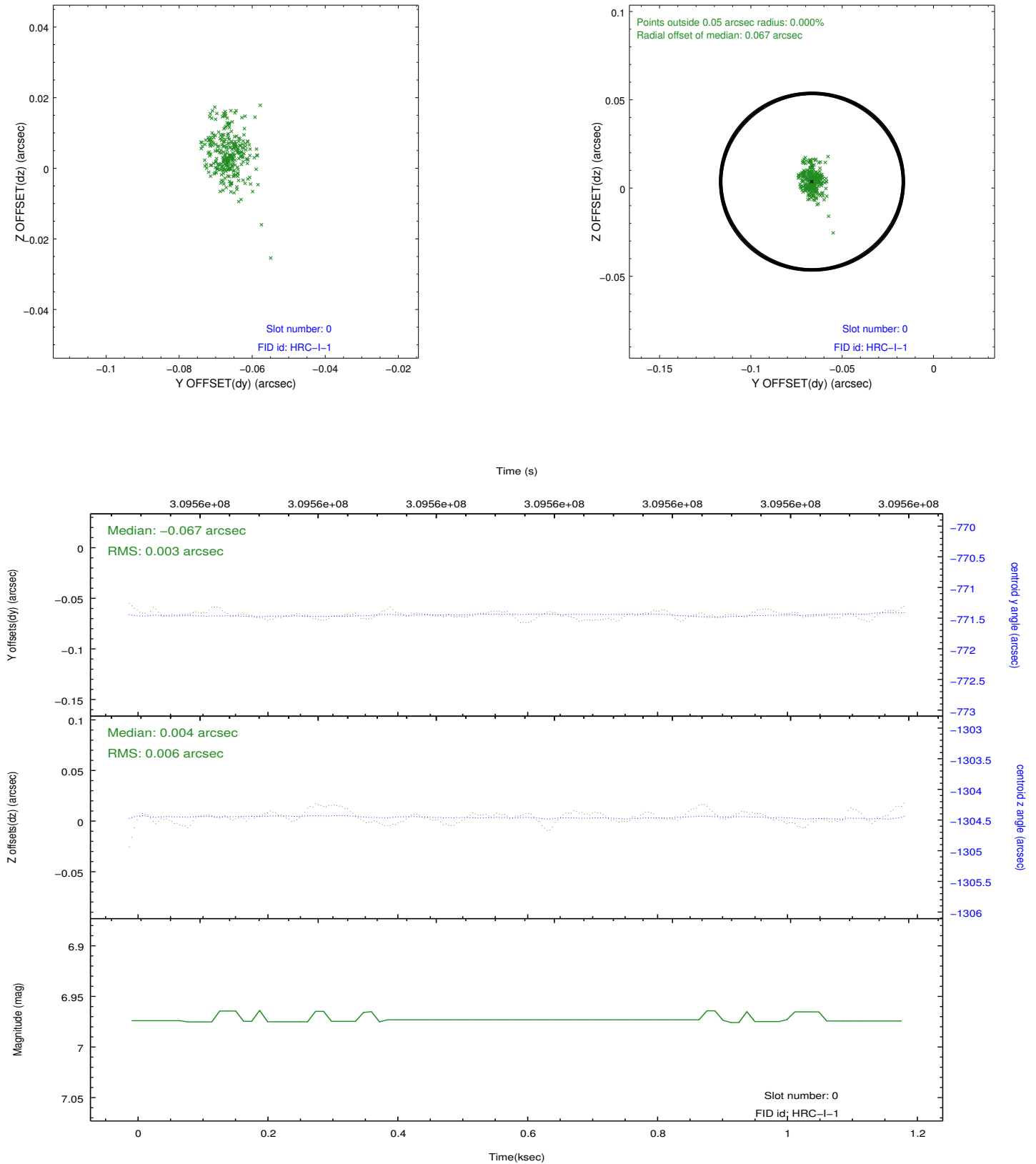


## 2.4.5 Slot 7

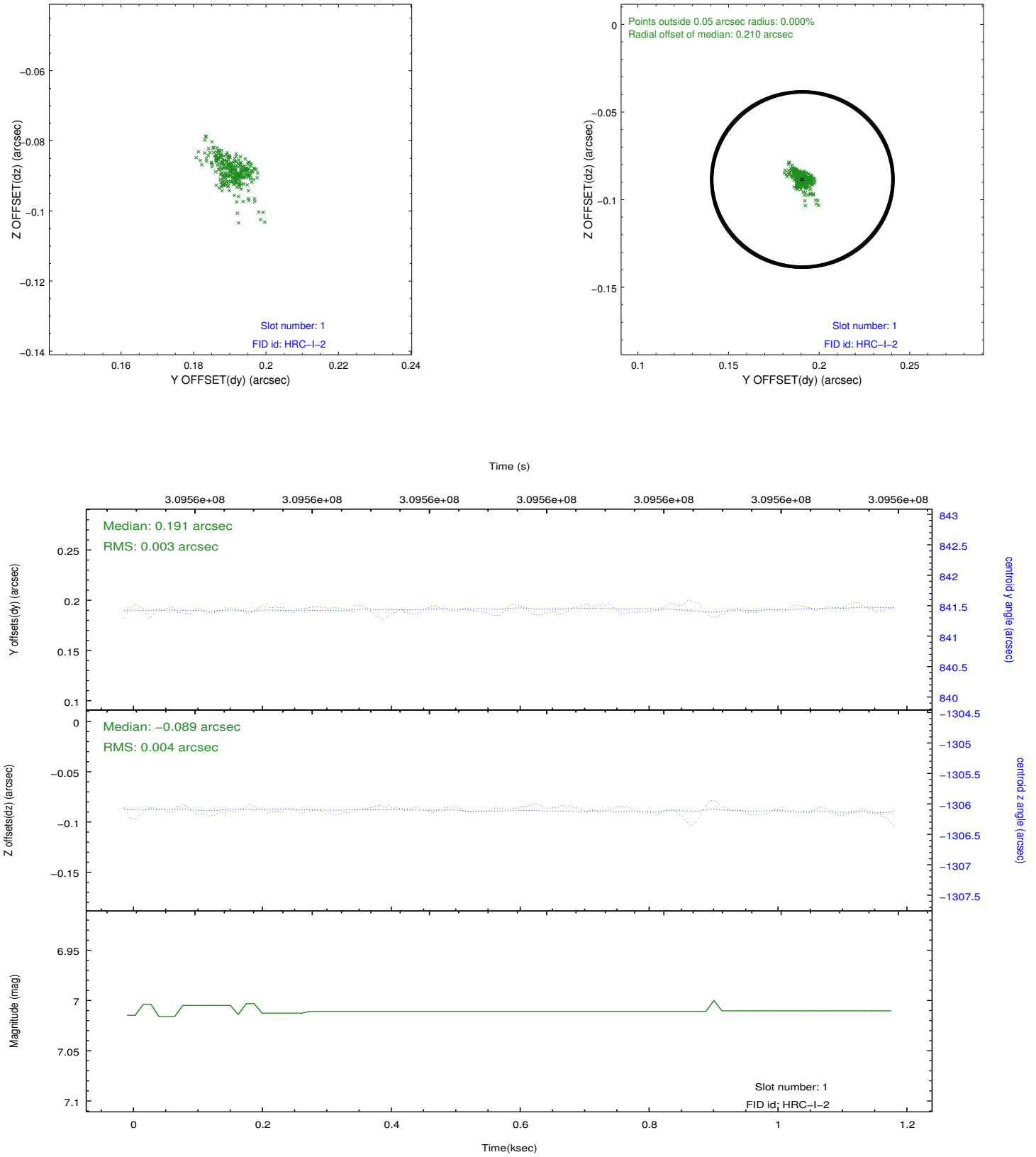


## 2.5 FID Slots

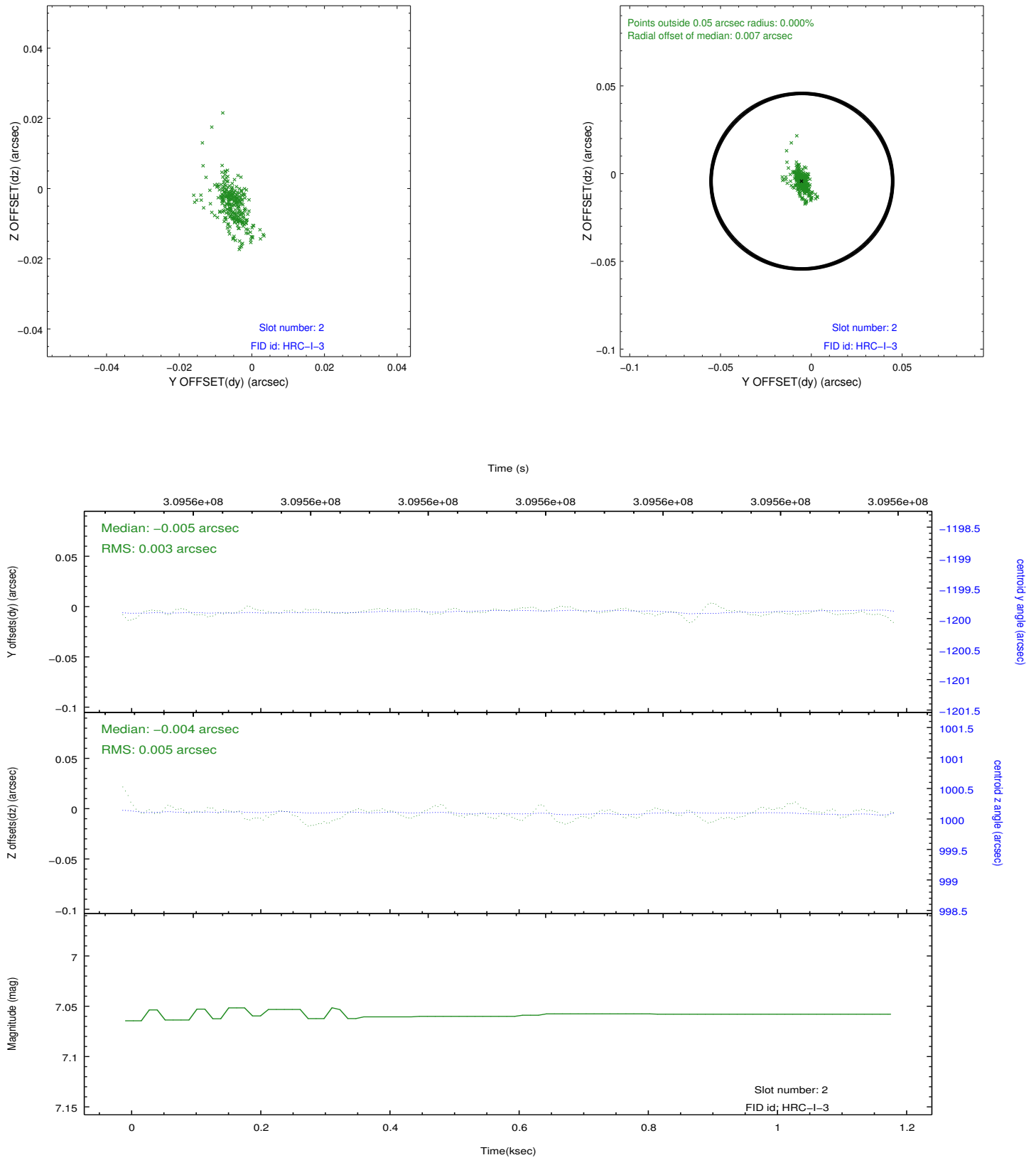
### 2.5.1 Slot 0



## 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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1923313

### A.2 Comments