

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13511 - L2 Version 3  
Chandra X-Ray Center

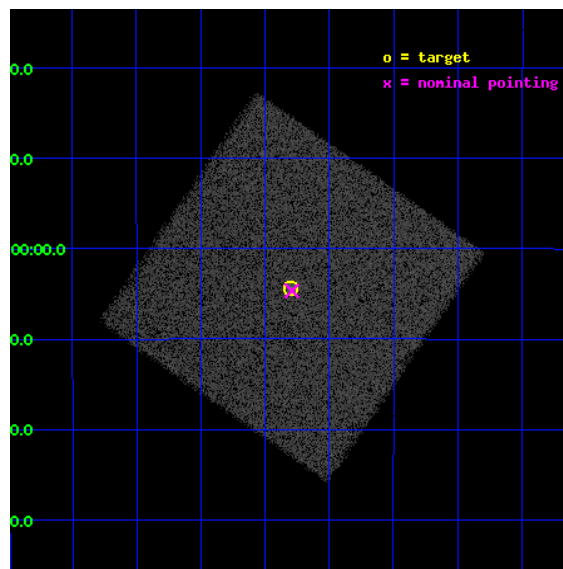
L2 Processing Date : Jul 27 2012

## 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

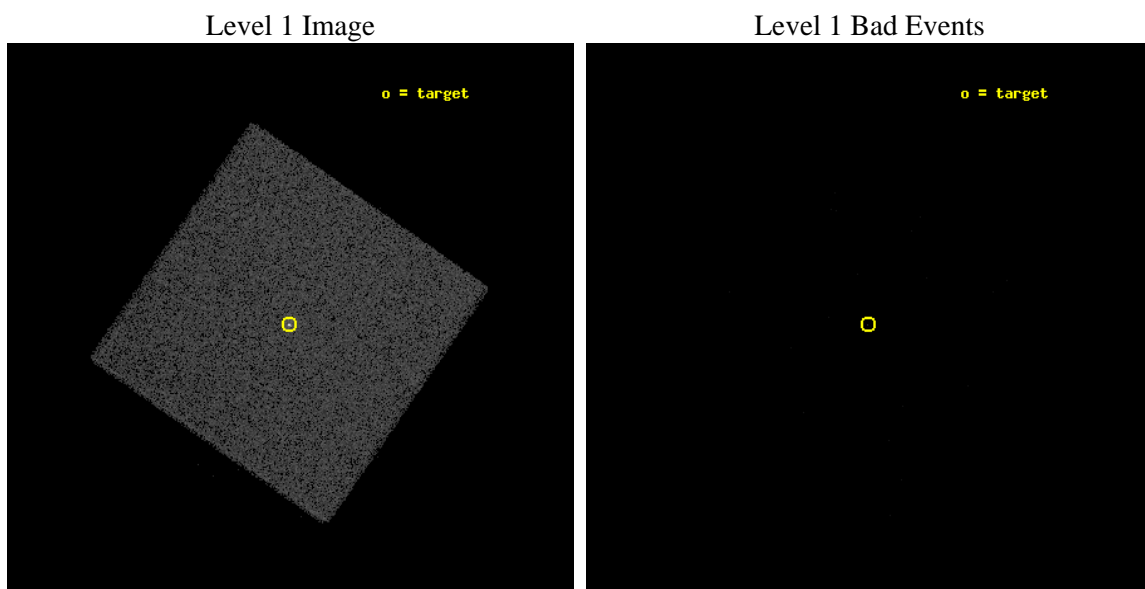
seq_num	501567	Sequence number
obs_id	13511	Observation id
title	Determination of the true nature of Swift J1822.3-1606	Proposal ti
observer	Dr Chryssa Kouveliotou	Principal investigator
object	Swift J1822.3-1606	Source name
ra_targ	275.575	Observer's specified target RA [deg]
dec_targ	-16.074111	Observer's specified target Dec [deg]
ra_nom	275.57281899002	Nominal RA [deg]
dec_nom	-16.077804726065	Nominal Dec [deg]
roll_nom	259.75984752789	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1181.9531859756	[s]
livetime	1170.2761663164	Ontime multiplied by DTCOR
l2events	84387	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	1182.0813118815	[s]
caldsver	4.5.1	&#160	l1events	250870	Number of level 1 events
date	2012-07-28T00:44:15	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

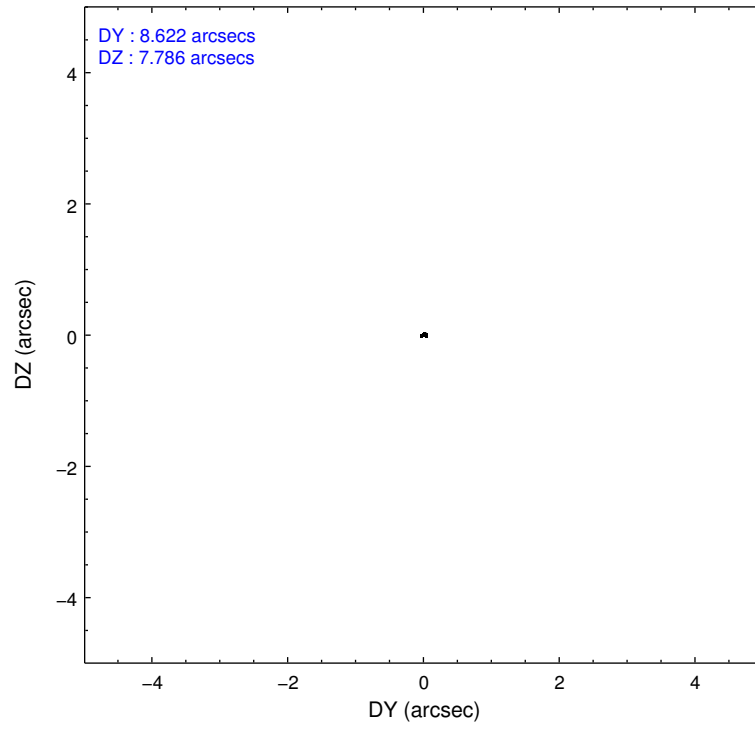
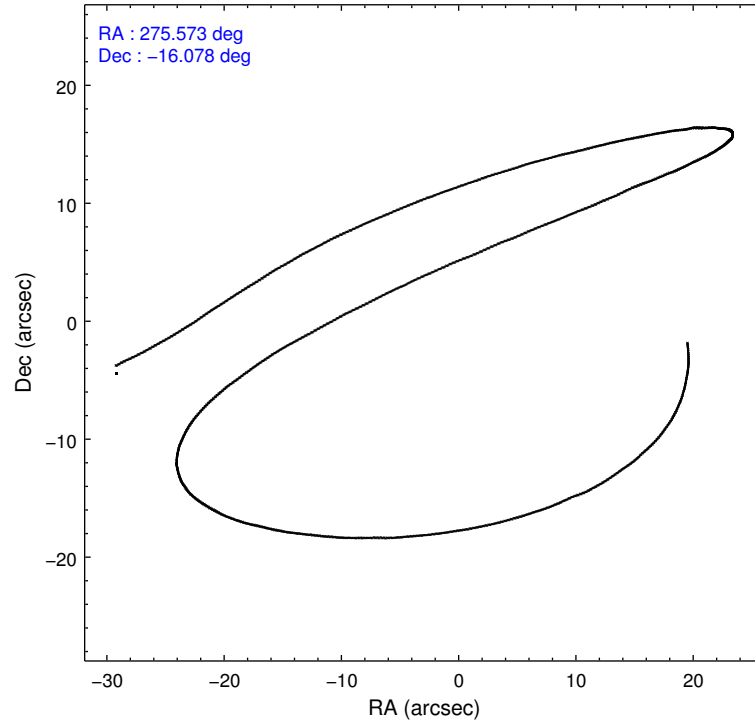
#### Level 1 Events

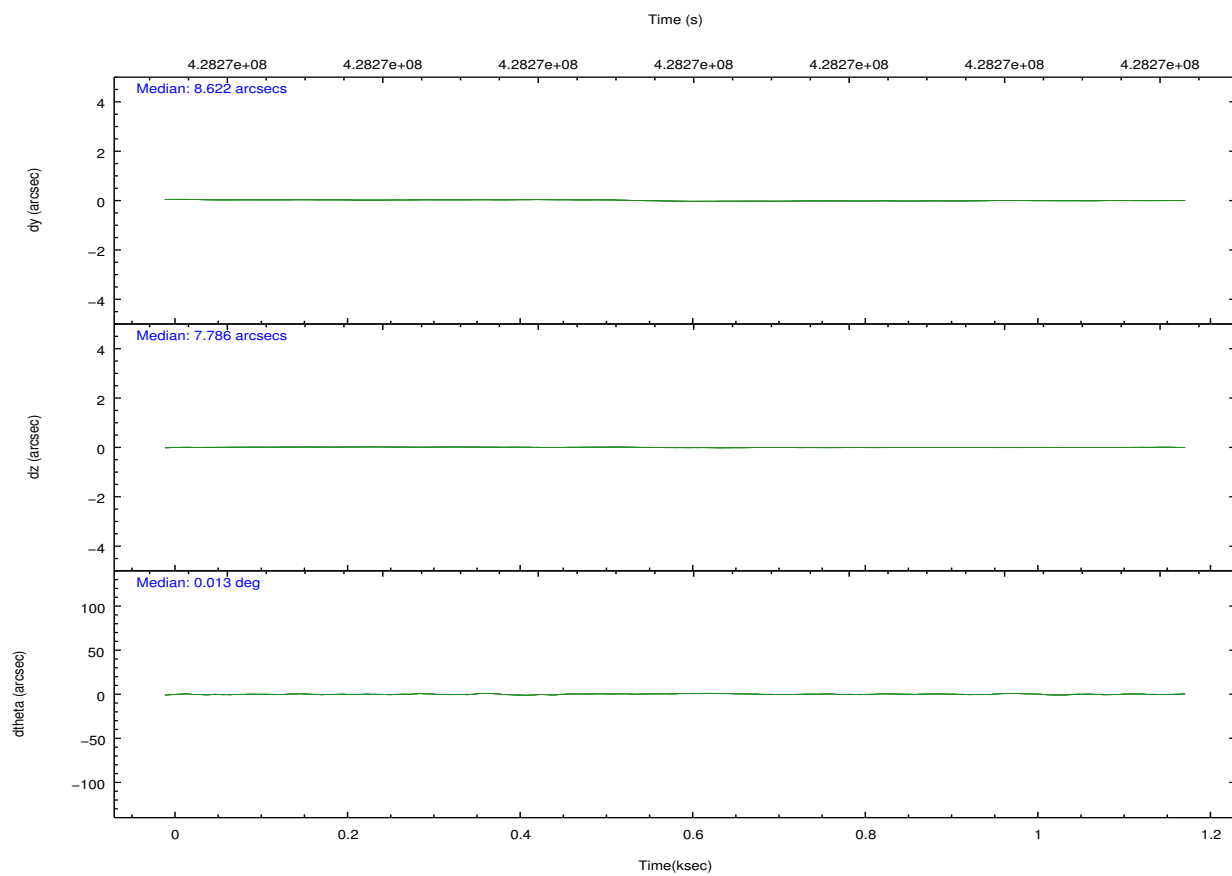
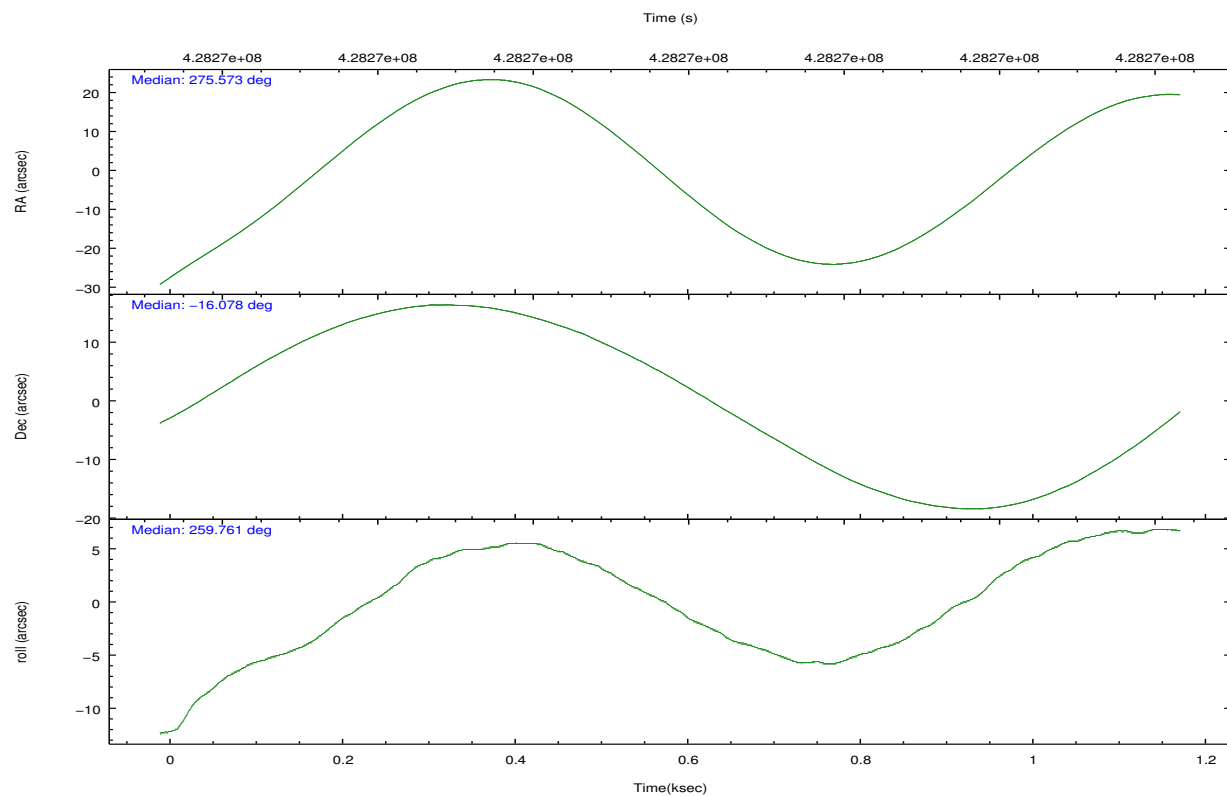
	<b>segment 0</b>
level 1 events	250870
rejected events	135109
rejected %	53%

## 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	275.562494	275.5728189900167			
[deg] Pointing Dec	-16.052322	-16.07780472606549			
[deg] Pointing Roll	259.852508	259.759847527895			
[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)	428271754.184000	428270154.63683			
Observation start date	2011-07-28T20:21:28	2011-07-28T19:55:54			
[s] Observation end time (MET)	428272754.184000	428273143.53699			
Observation end date	2011-07-28T20:38:08	2011-07-28T20:45:43			

## 2.3 Aspect





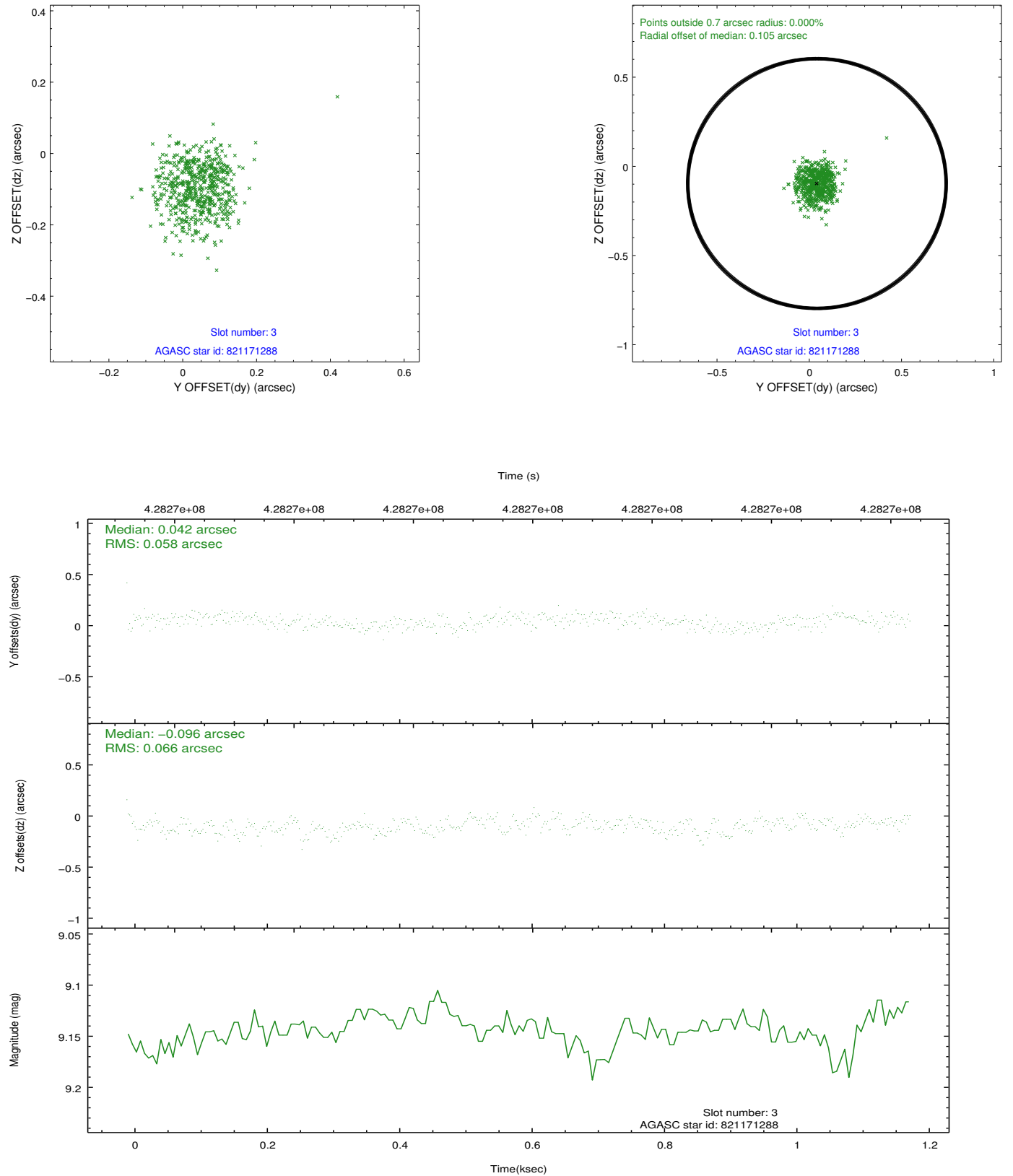
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	289	0.042	-0.030	0.006	0.010	0.000000	0.000000	-764.31	-1295.63
1	FID	HRC-I-3	7.03	289	-0.138	-0.024	0.007	0.013	0.000000	0.000000	-1195.46	1004.48
2	FID	HRC-I-4	6.95	289	0.210	-0.035	0.005	0.008	0.000000	0.000000	1274.67	1009.86
3	GUIDE	821171288	9.14	578	0.042	-0.096	0.093	0.143	275.426002	-15.652858	-1331.86	-719.48
4	GUIDE	821171832	8.86	575	-0.149	-0.164	0.079	0.136	275.792275	-15.610164	-1709.04	502.13
5	GUIDE	821175360	8.54	578	-0.035	0.239	0.078	0.131	275.121622	-15.398191	-2049.78	-1920.08
6	GUIDE	821180448	7.17	578	0.073	0.018	0.063	0.105	275.453560	-16.324585	1027.93	-201.41
7	GUIDE	821181752	7.62	576	0.082	-0.004	0.070	0.111	275.331456	-16.373905	1282.68	-582.20

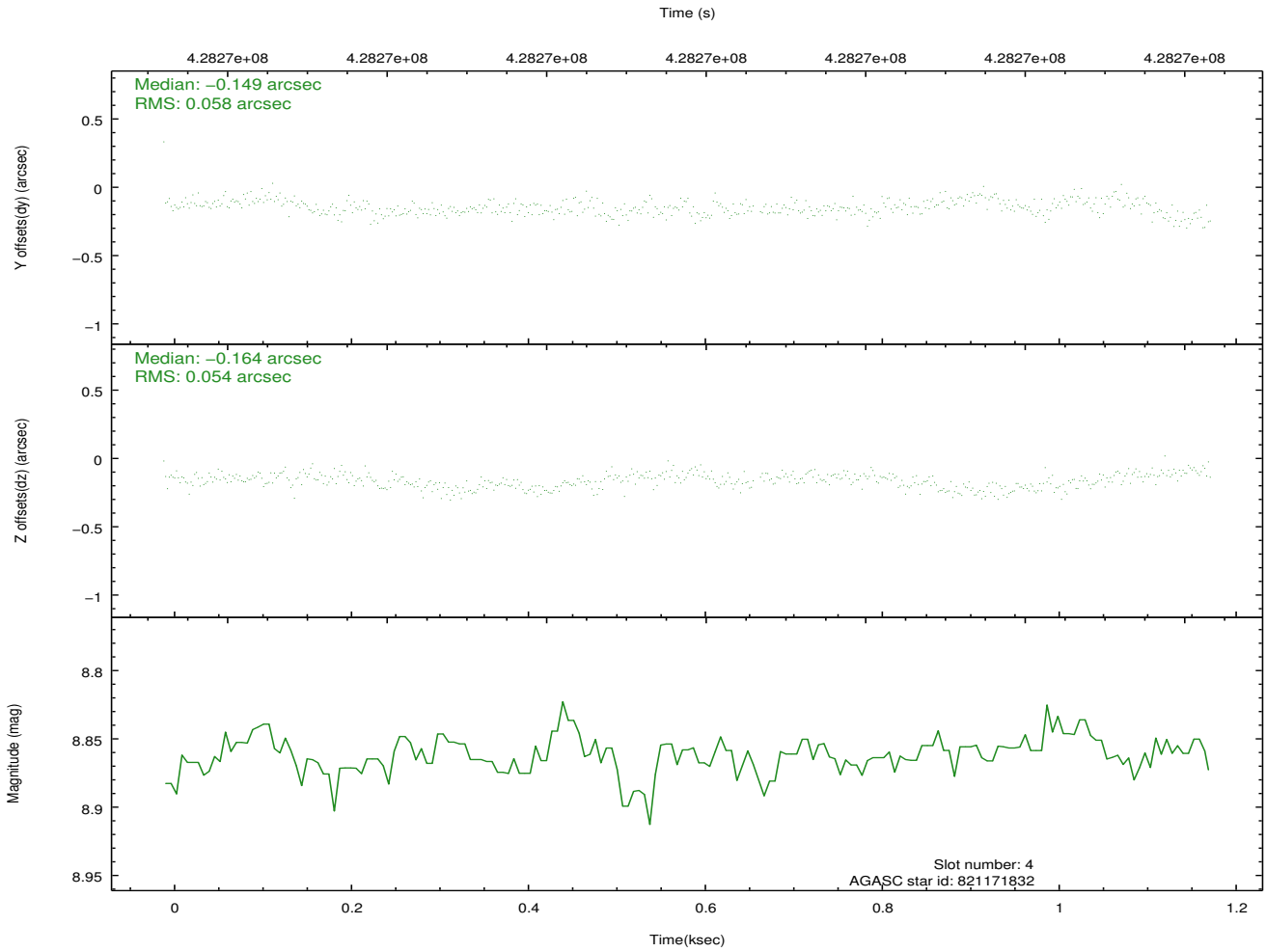
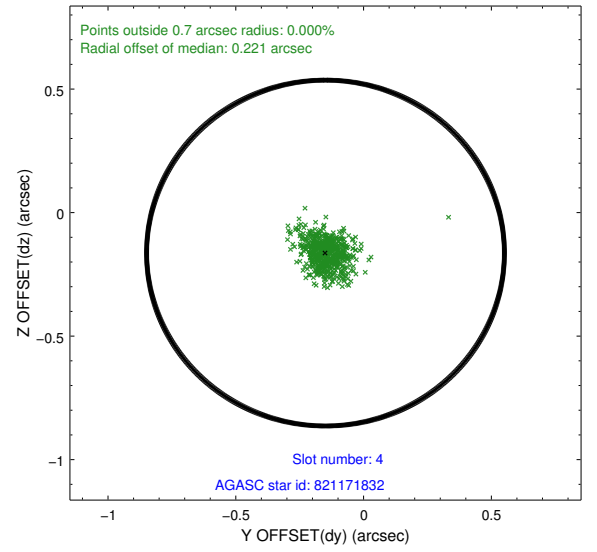
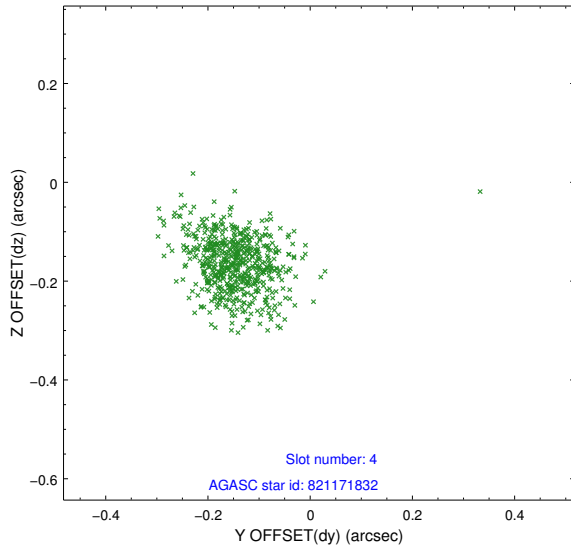


## 2.4 Star Slots

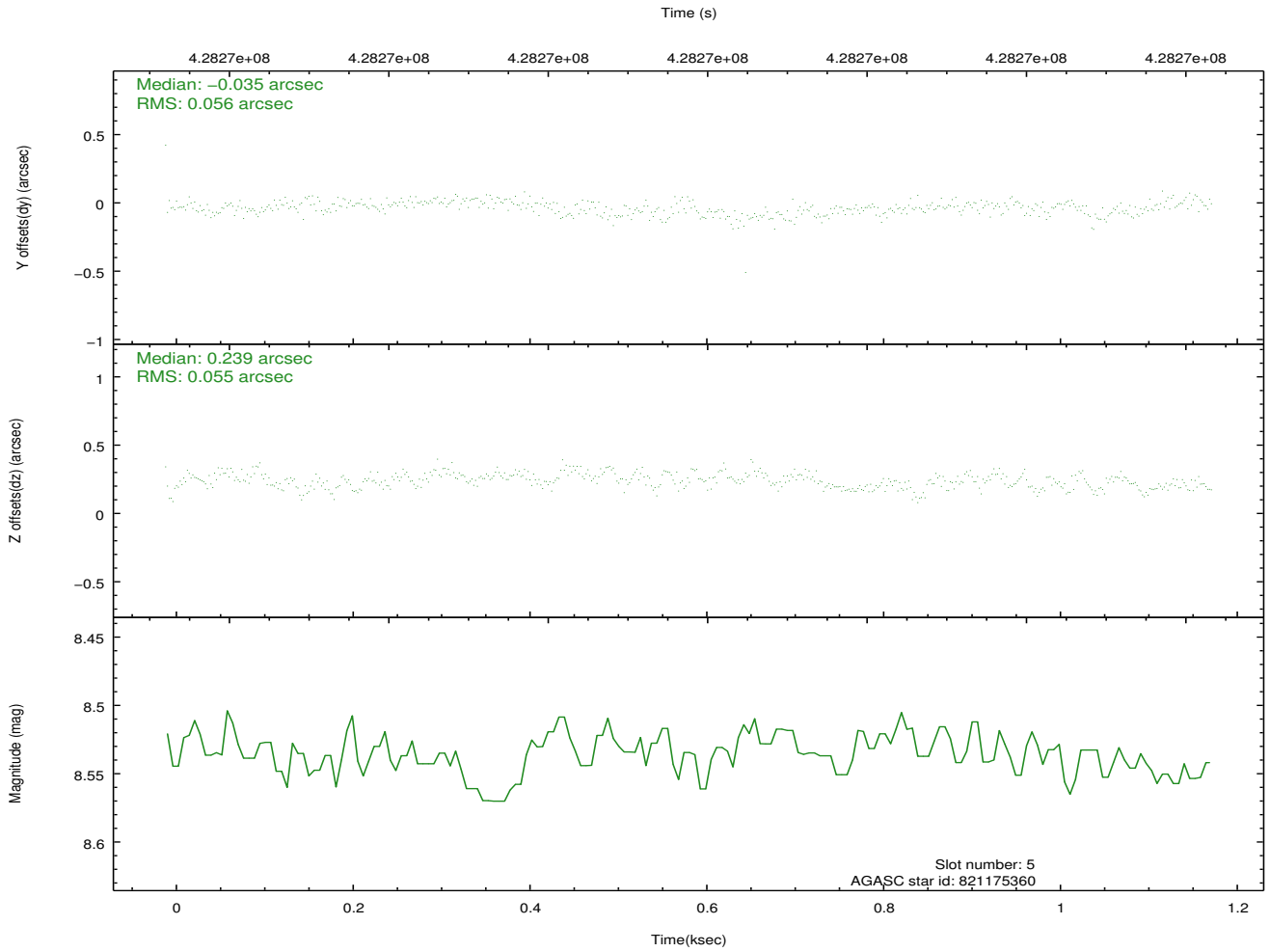
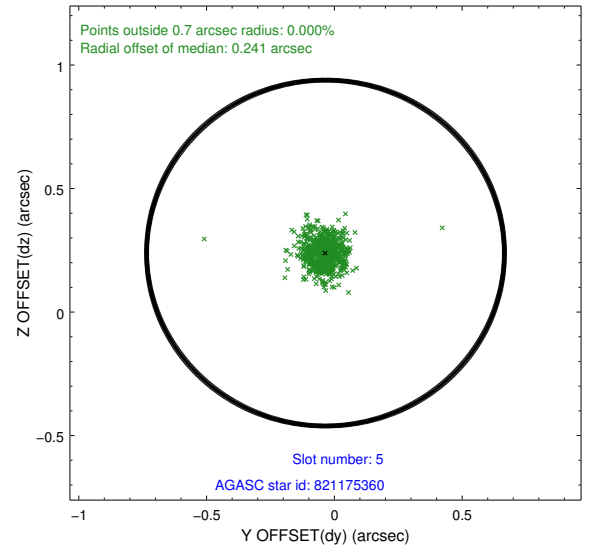
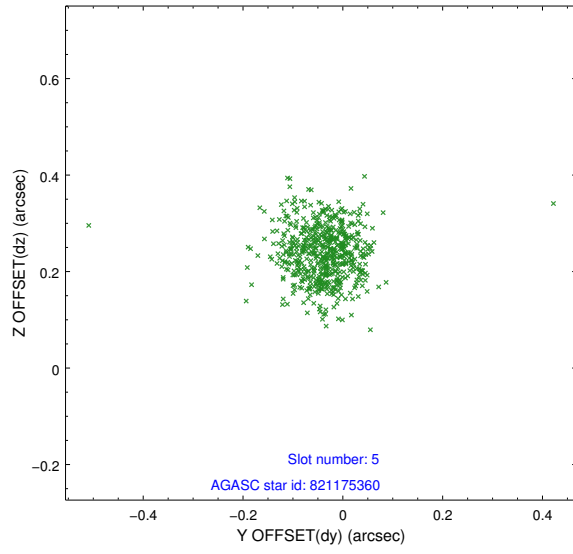
### 2.4.1 Slot 3



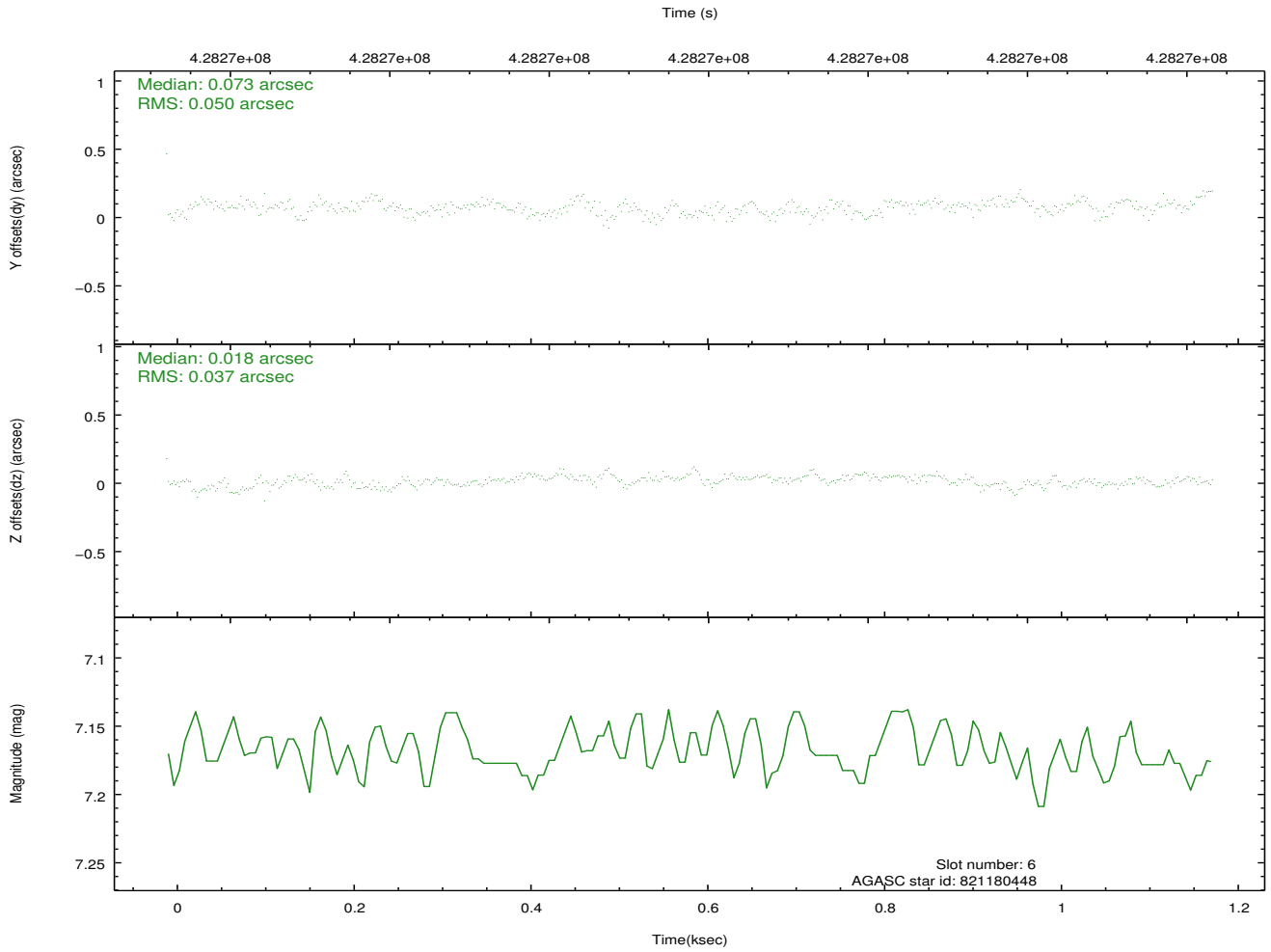
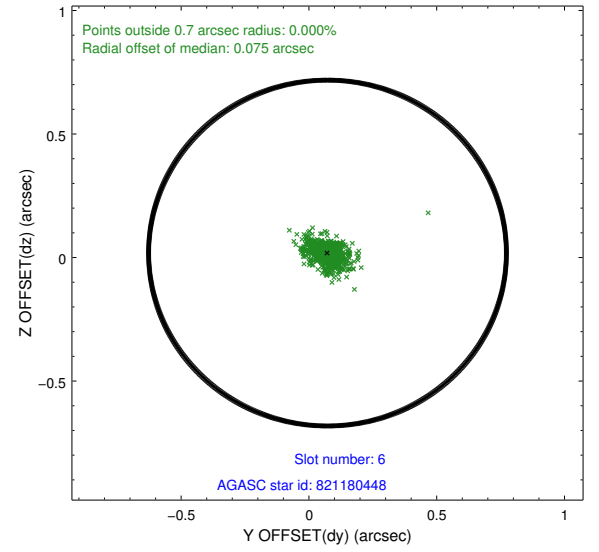
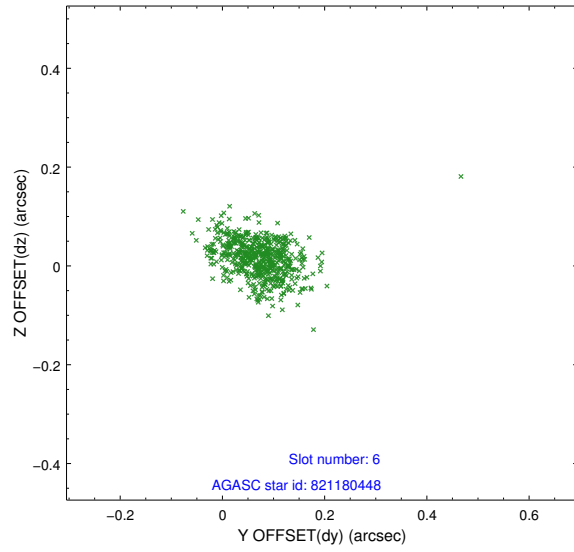
## 2.4.2 Slot 4



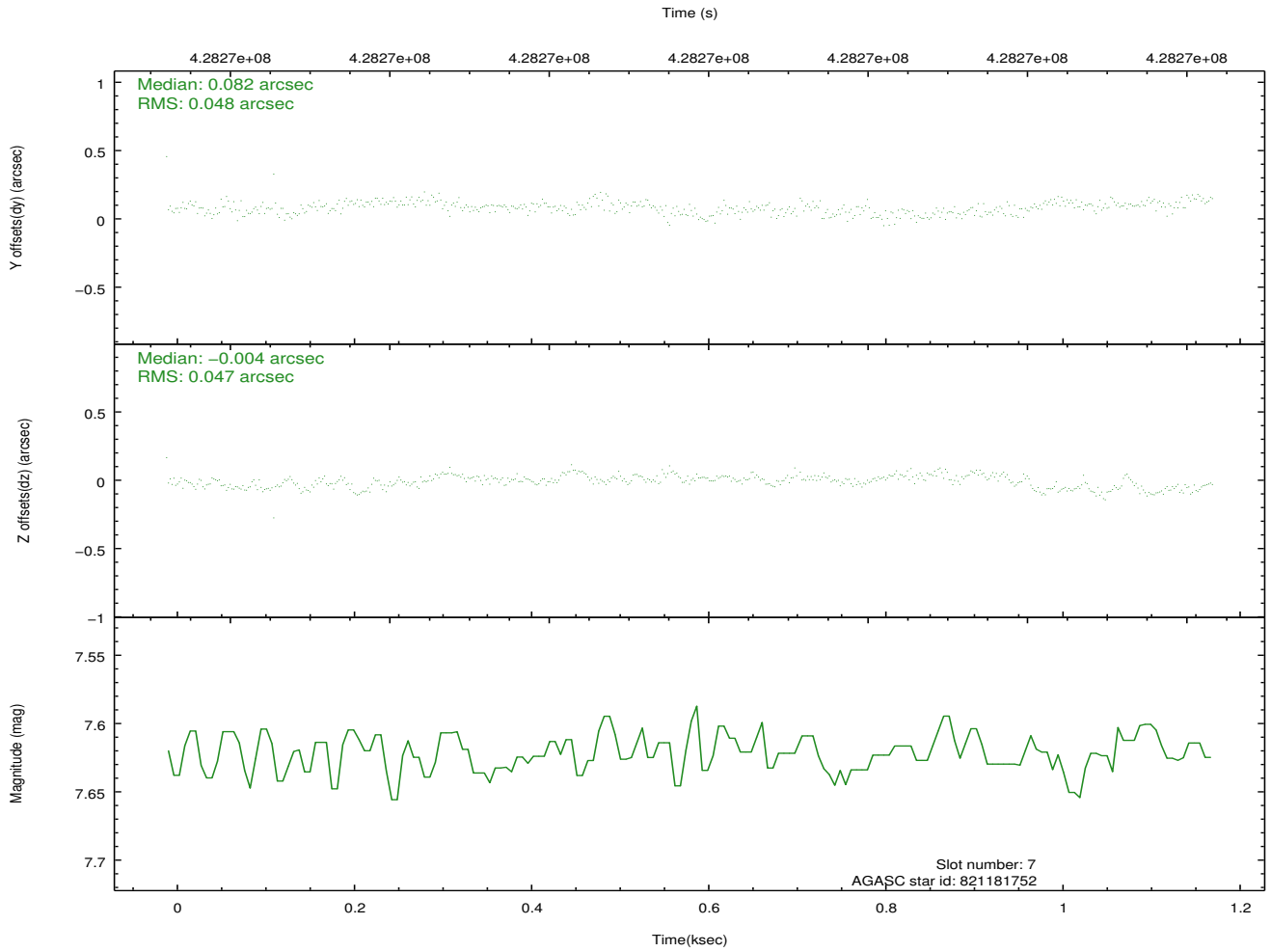
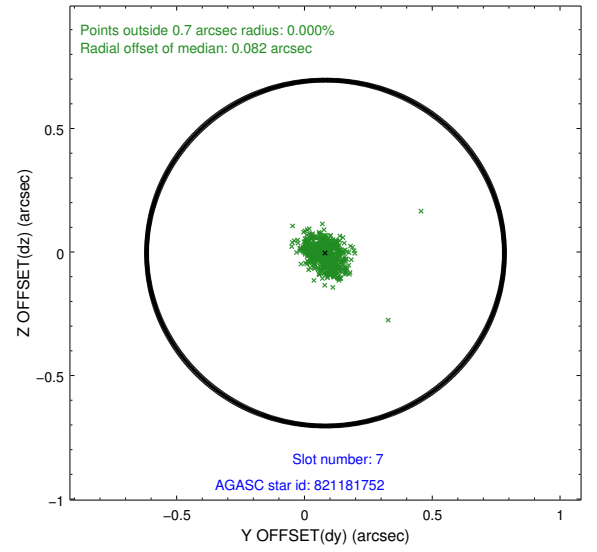
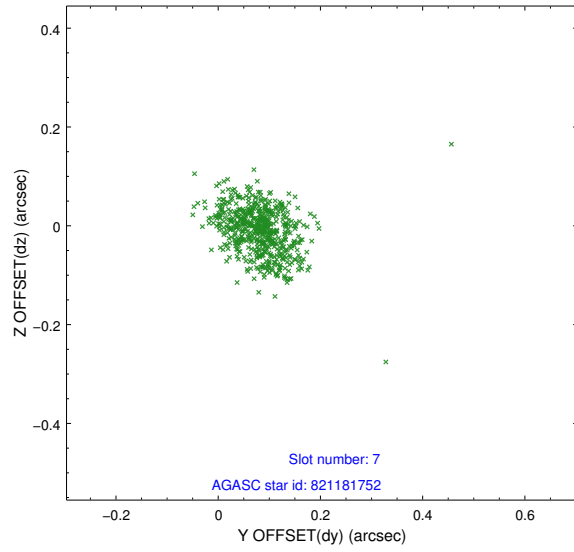
### 2.4.3 Slot 5



## 2.4.4 Slot 6

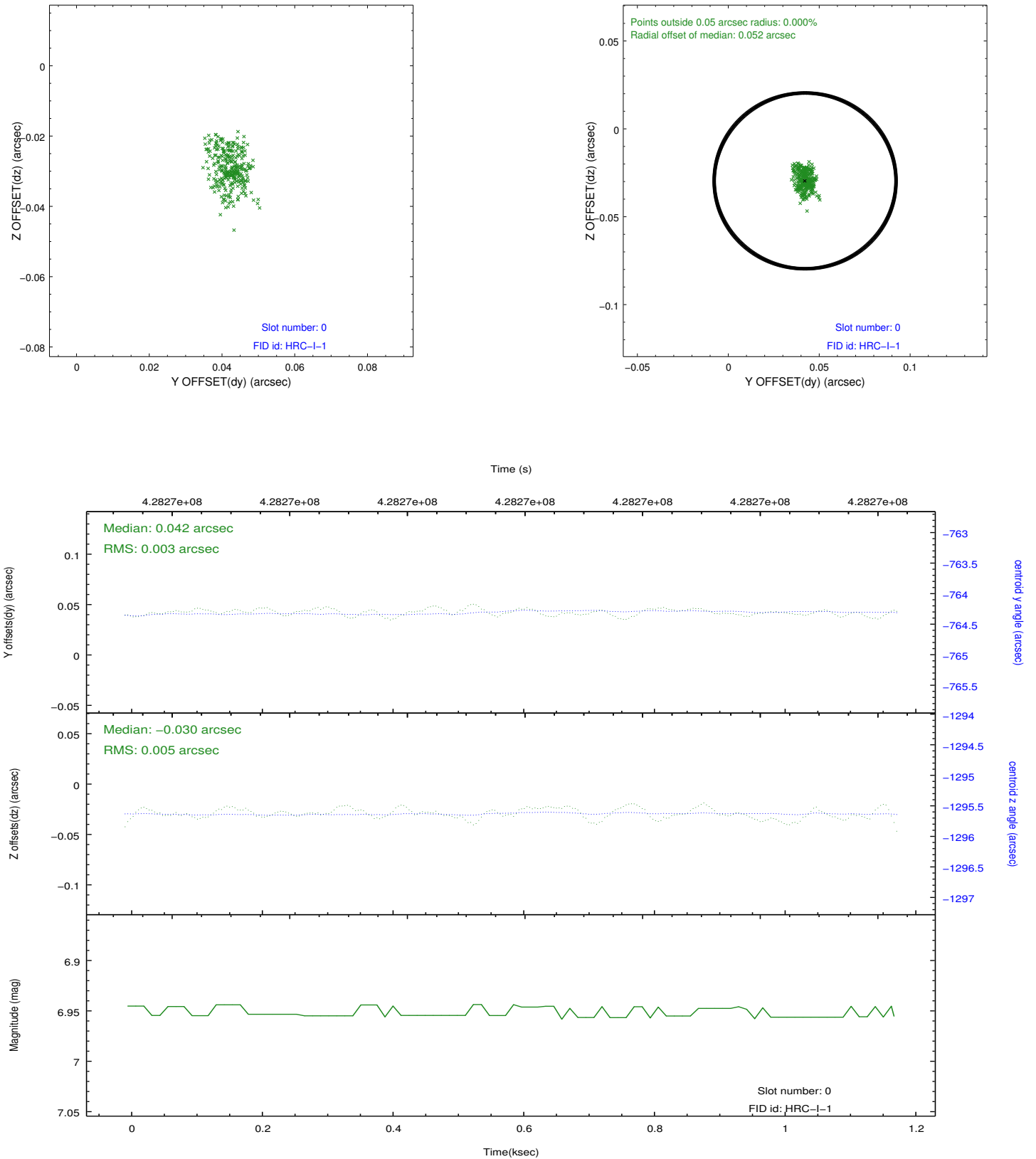


## 2.4.5 Slot 7

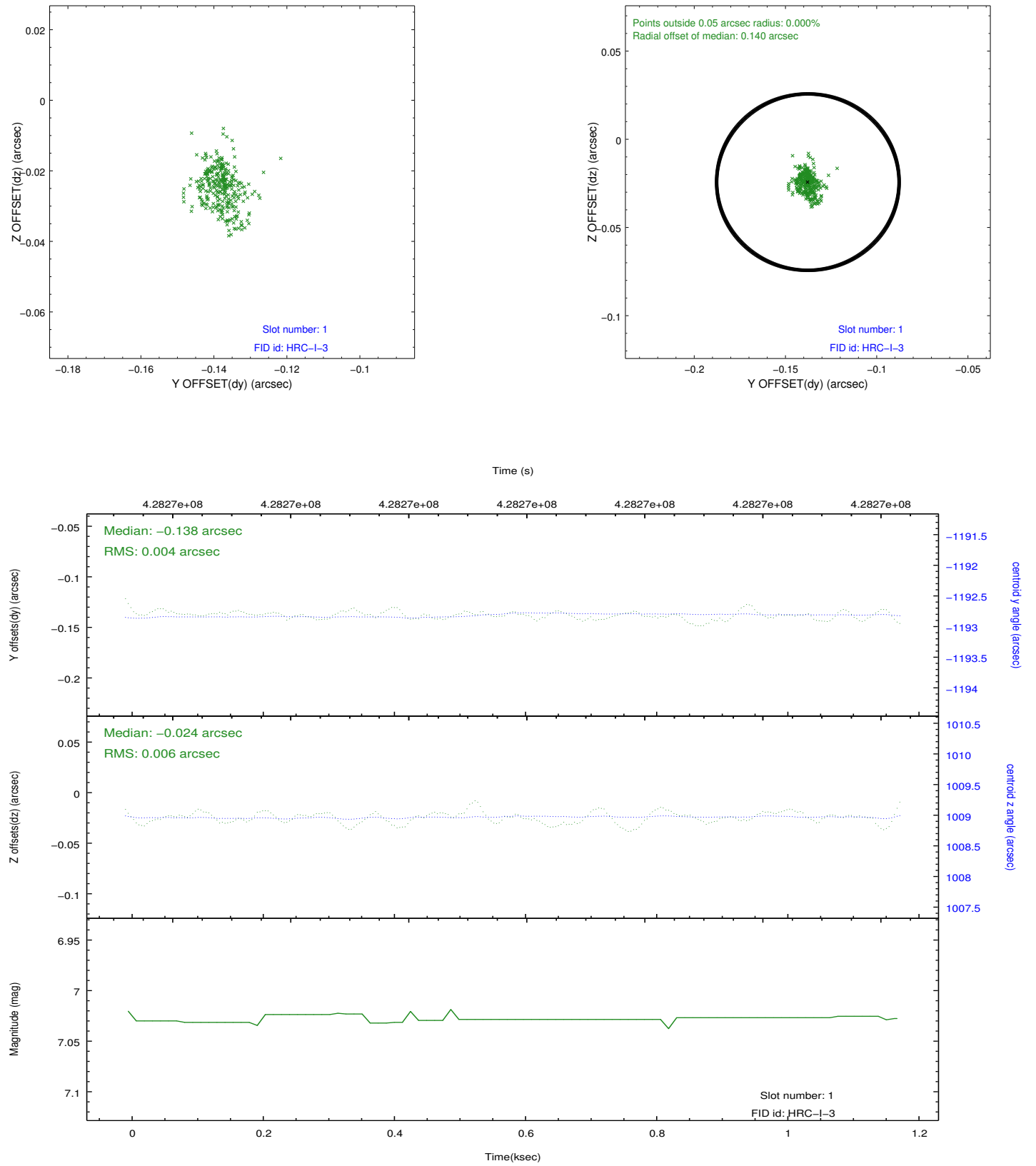


## 2.5 FID Slots

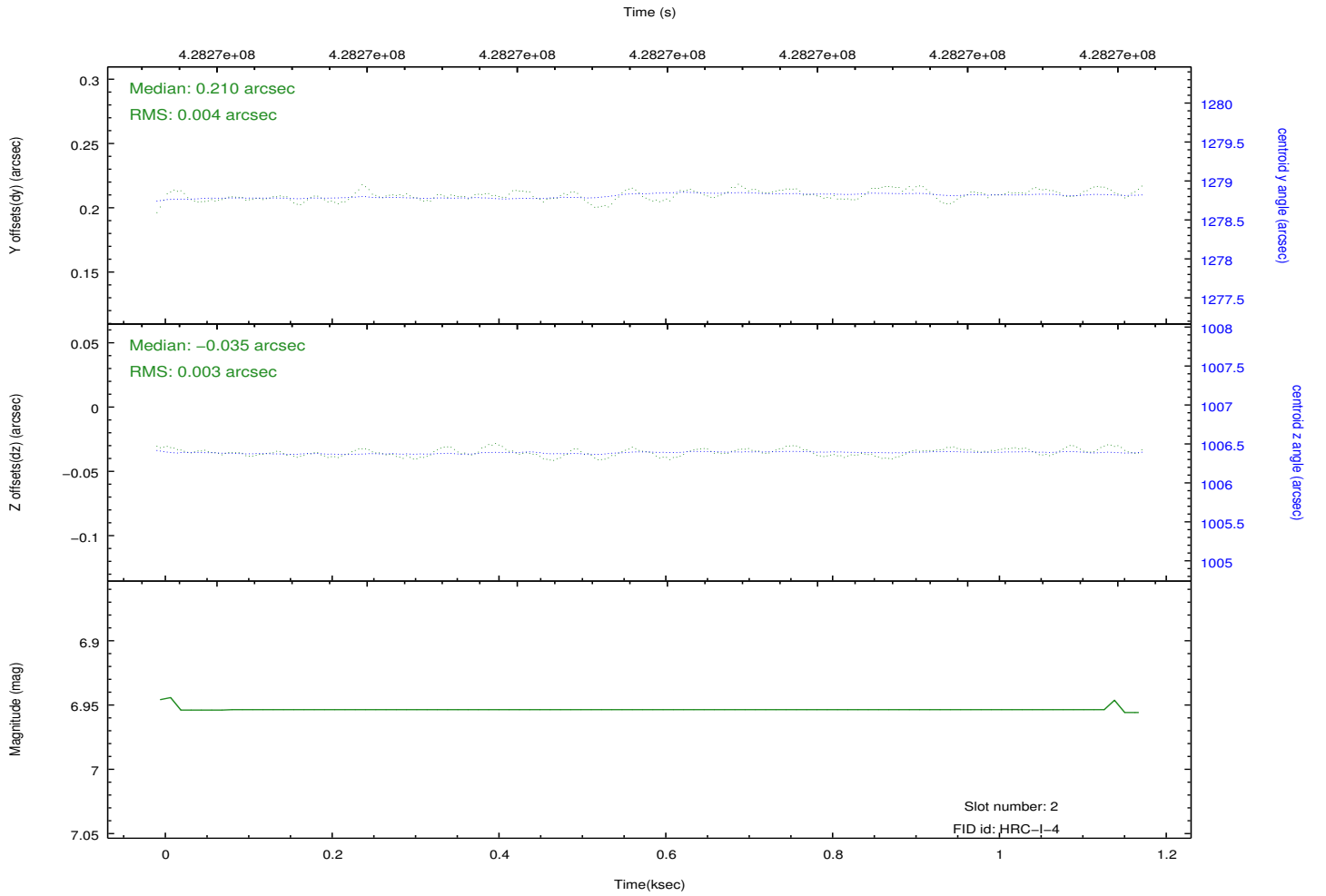
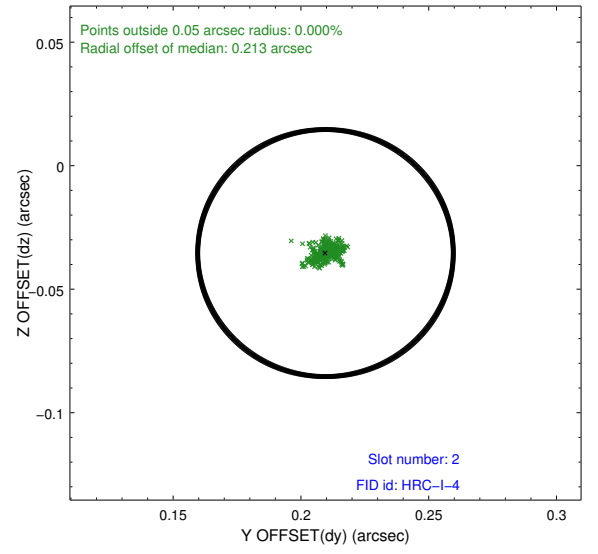
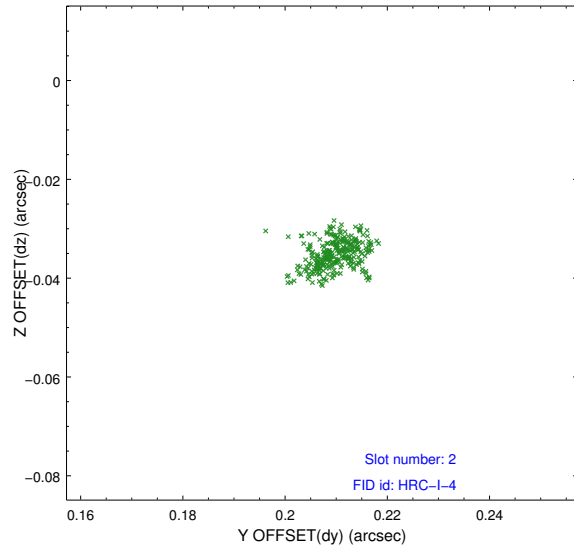
### 2.5.1 Slot 0



## 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	1.1819531826377

### A.2 Comments