

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 13284 - L2 Version 2  
Chandra X-Ray Center

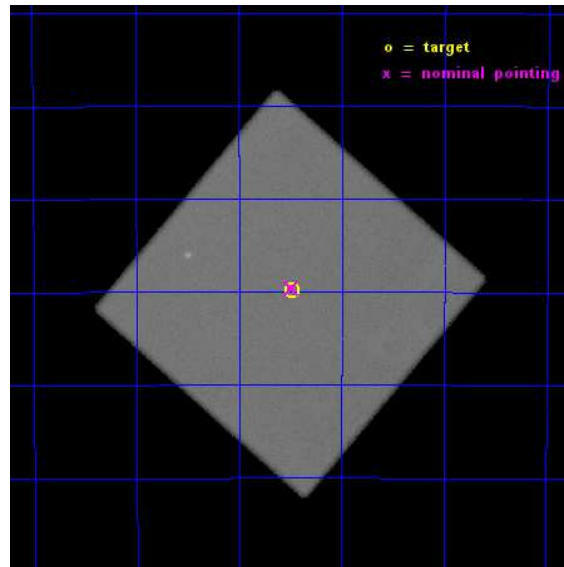
L2 Processing Date : Dec 1 2014

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# 1 Front

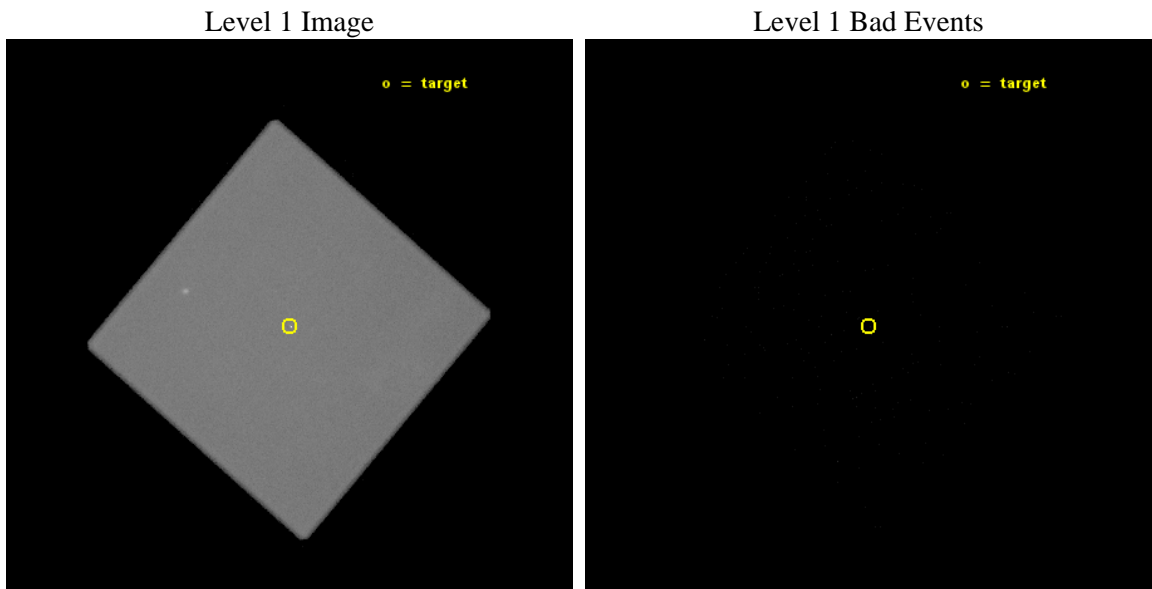
seq_num	401299	Sequence number
obs_id	13284	Observation id
title	Proper Motion Measurement of the Central Compact Object	Proposal t
observer	Dr. Peter Predehl	Principal investigator
object	1WGA J1713.4 3949	Source name
ra_targ	258.37	Observer's specified target RA [deg]
dec_targ	-39.831	Observer's specified target Dec [deg]
ra_nom	258.37236187257	Nominal RA [deg]
dec_nom	-39.827145534976	Nominal Dec [deg]
roll_nom	85.819606960848	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37357.152021885	[s]
livetime	37018.069332293	Ontime multiplied by DTCOR
l2events	2593277	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	37232.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	37357.152021885	[s]
caldbver	4.6.4	&#160	l1events	3595386	Number of level 1 events
date	2014-12-02T00:37:03	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

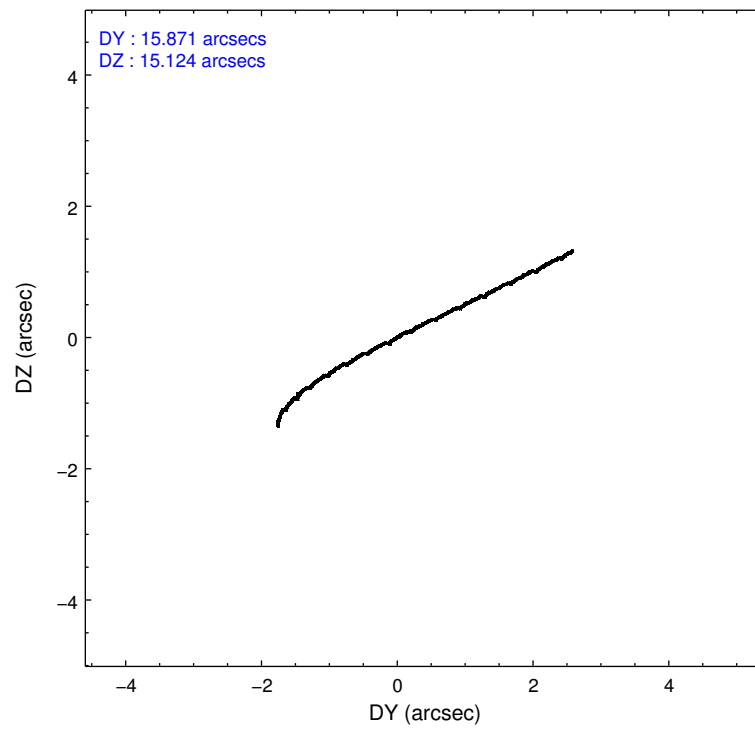
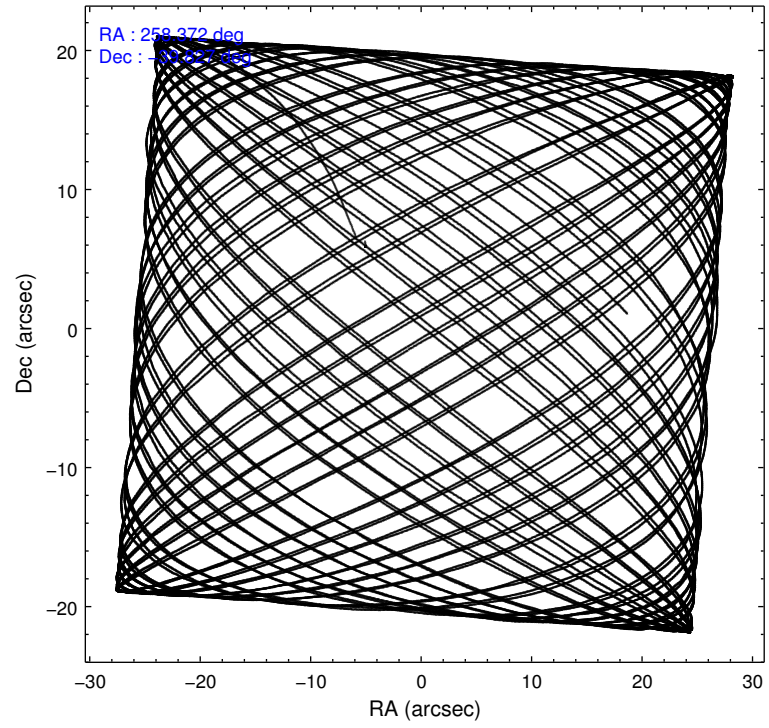
#### Level 1 Events

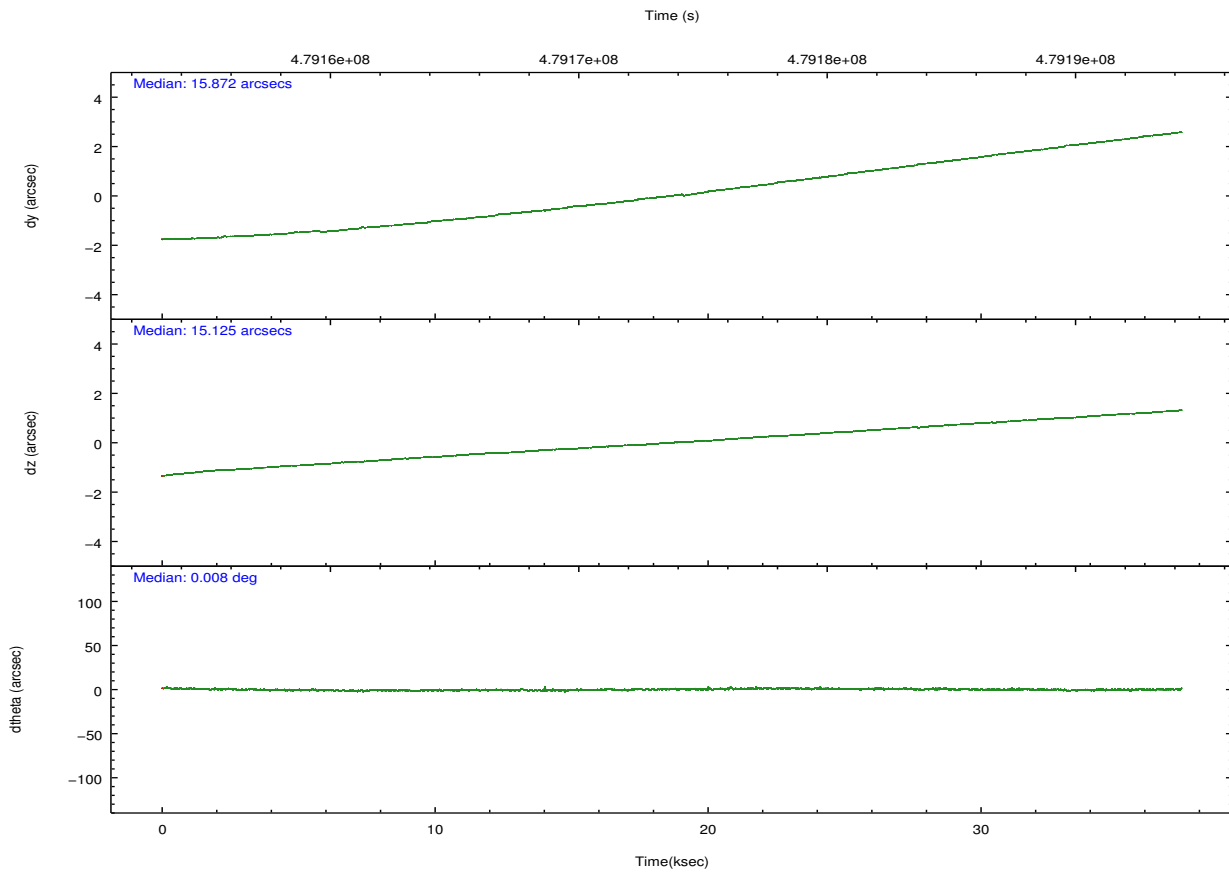
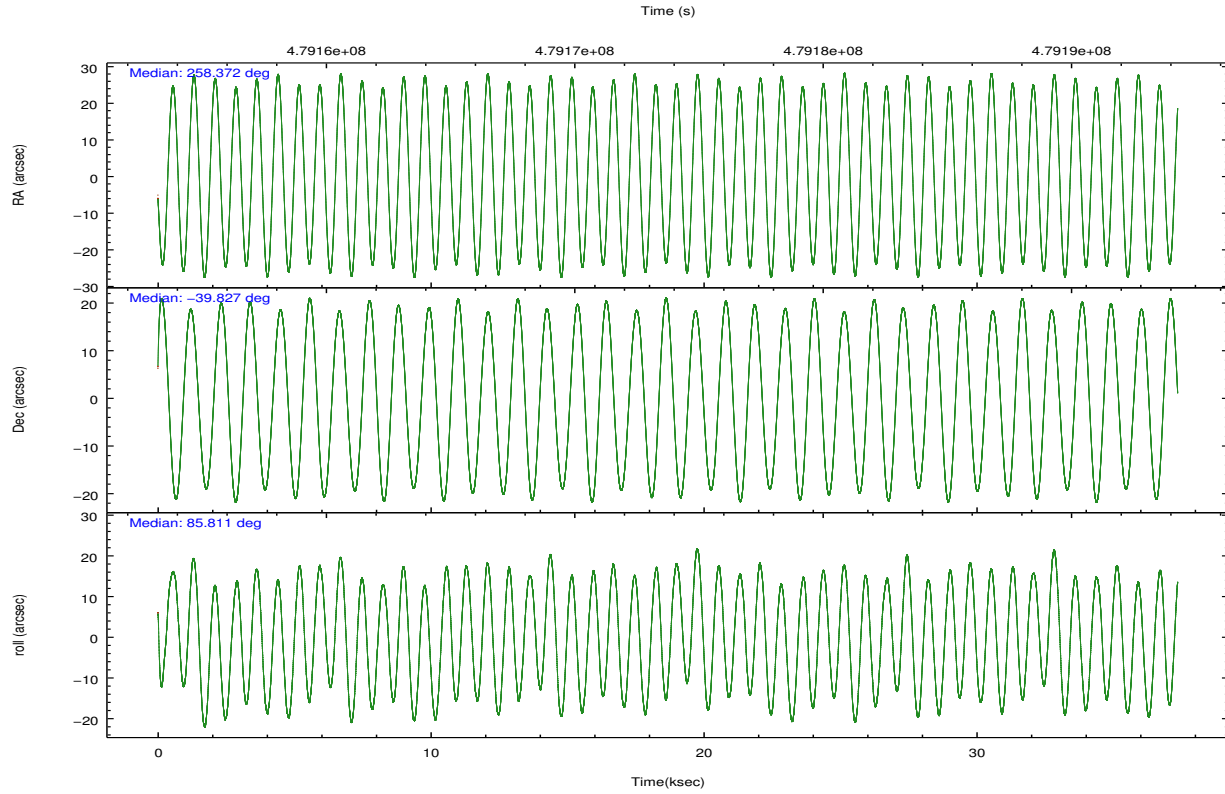
	<b>segment 0</b>
level 1 events	3595386
rejected events	95577
rejected %	2%

## 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	258.388561	258.3723618725704			
[deg] Pointing Dec	-39.851398	-39.82714553497635			
[deg] Pointing Roll	85.925474	85.81960696084828			
[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)	479155189.184000	479154058.39024			
Observation start date	2013-03-08T18:38:42	2013-03-08T18:20:58			
[s] Observation end time (MET)	479192421.184000	479193174.95486			
Observation end date	2013-03-09T04:59:14	2013-03-09T05:12:54			

## 2.3 Aspect





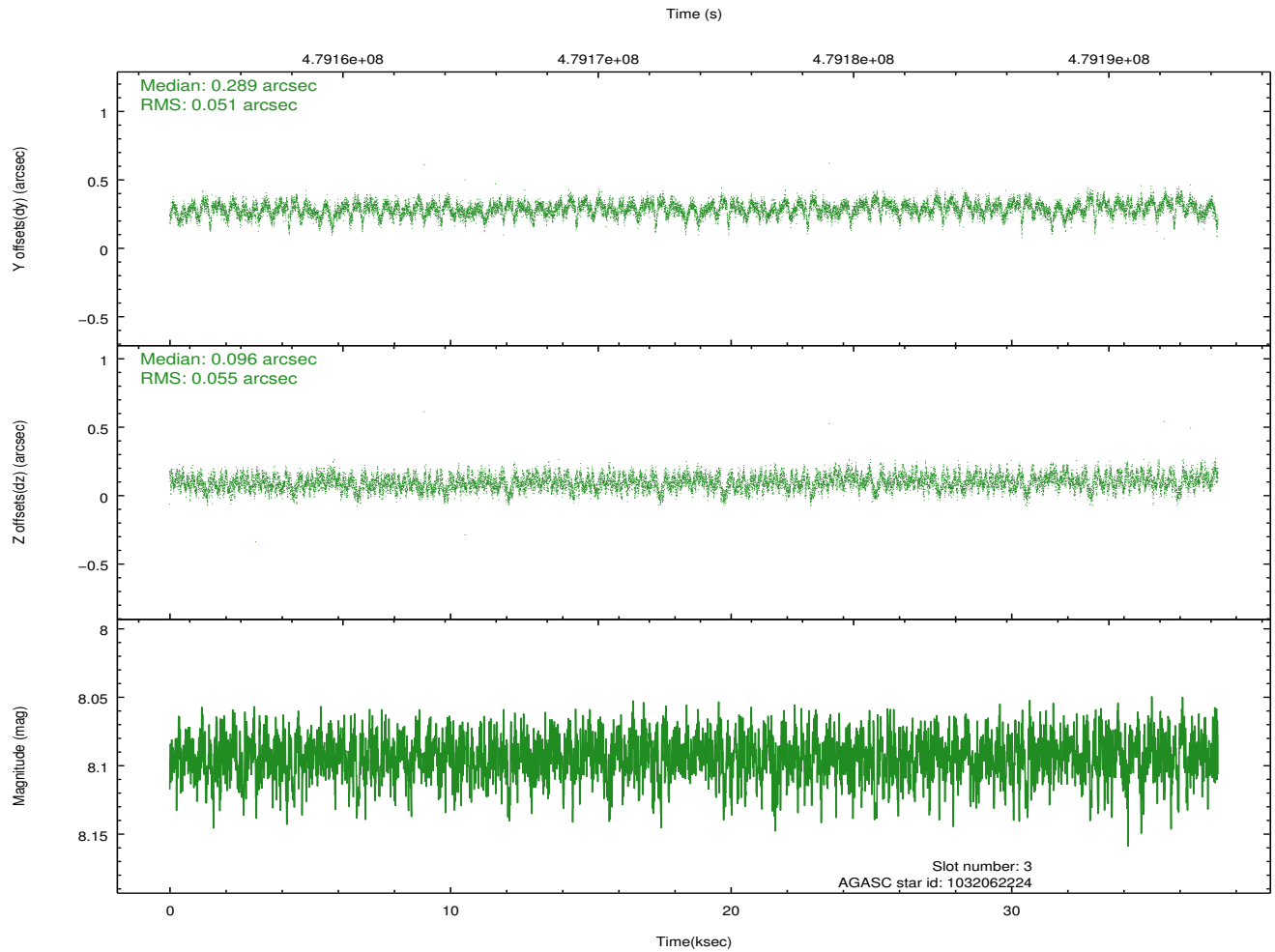
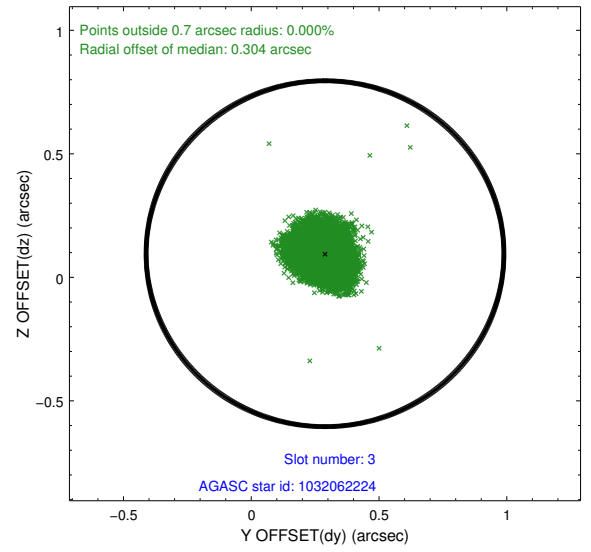
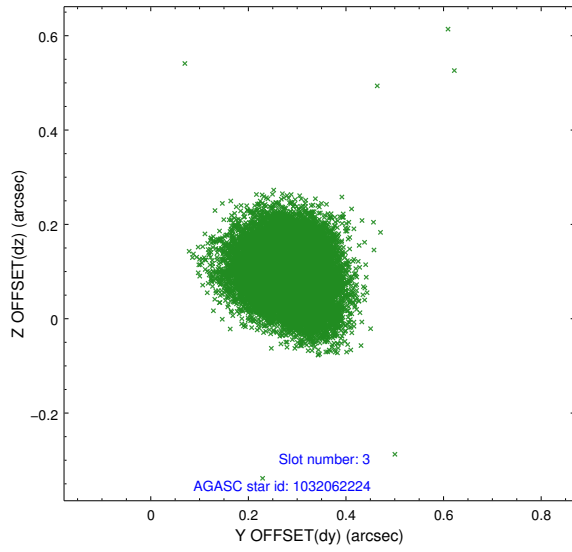
### Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.97	9112	-0.109	0.014	0.016	0.027	0.000000	0.000000	-771.92	-1303.27
1	FID		HRC-I-2	7.00	9112	0.244	-0.101	0.031	0.041	0.000000	0.000000	840.97	-1305.08
2	FID		HRC-I-3	7.05	9113	-0.015	-0.002	0.026	0.036	0.000000	0.000000	-1200.25	1001.13
3	GUIDE	used	1032062224	8.09	18220	0.289	0.096	0.080	0.129	258.732987	-40.317739	-1609.23	-1062.37
4	GUIDE	used	1032064496	7.24	18224	-0.122	0.136	0.089	0.142	259.271174	-39.429374	1677.99	-2340.60
5	GUIDE	used	1032064528	7.89	18215	-0.197	0.149	0.079	0.139	259.076580	-39.610595	993.32	-1841.93
6	GUIDE	used	1032064704	8.53	18214	-0.220	0.028	0.070	0.116	258.960381	-39.623855	924.92	-1523.52
7	GUIDE	used	1032061480	9.52	18163	0.244	-0.411	0.124	0.213	257.546142	-40.441464	-2294.44	2149.80

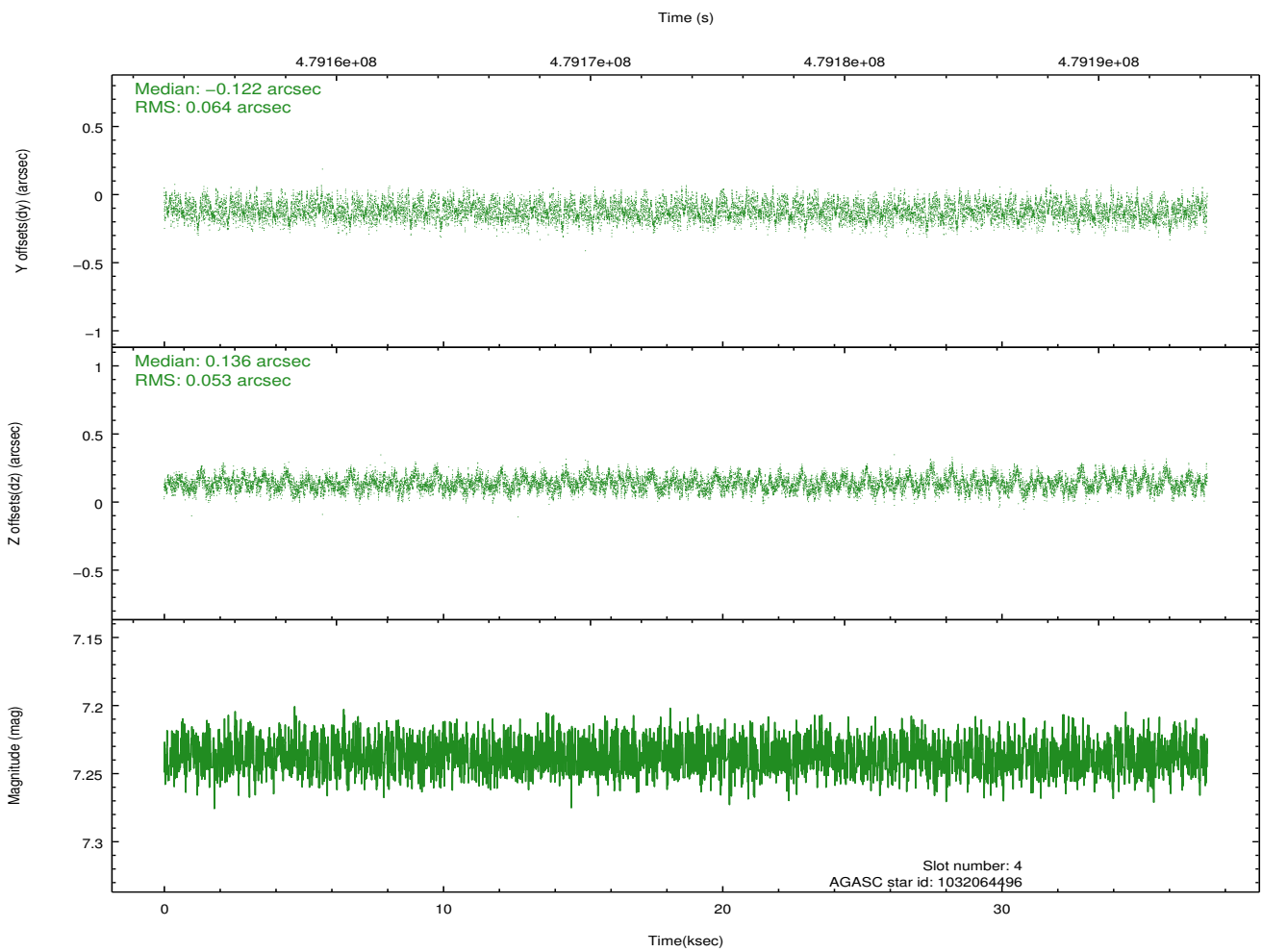
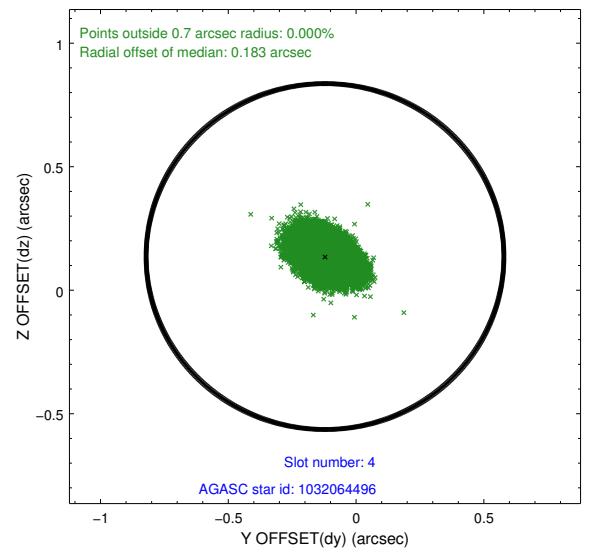
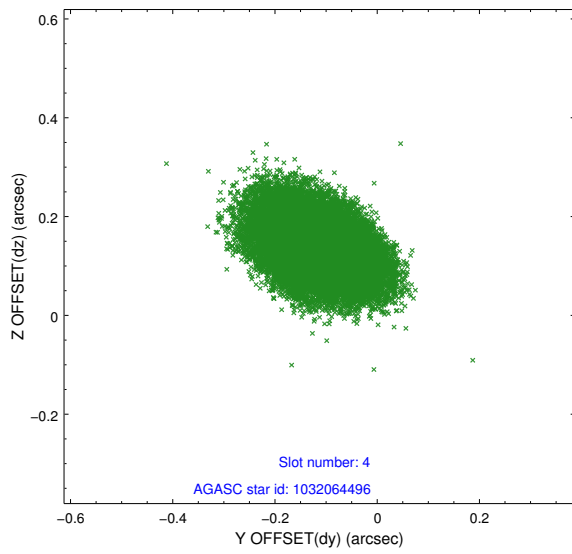
∞

## 2.4 Star Slots

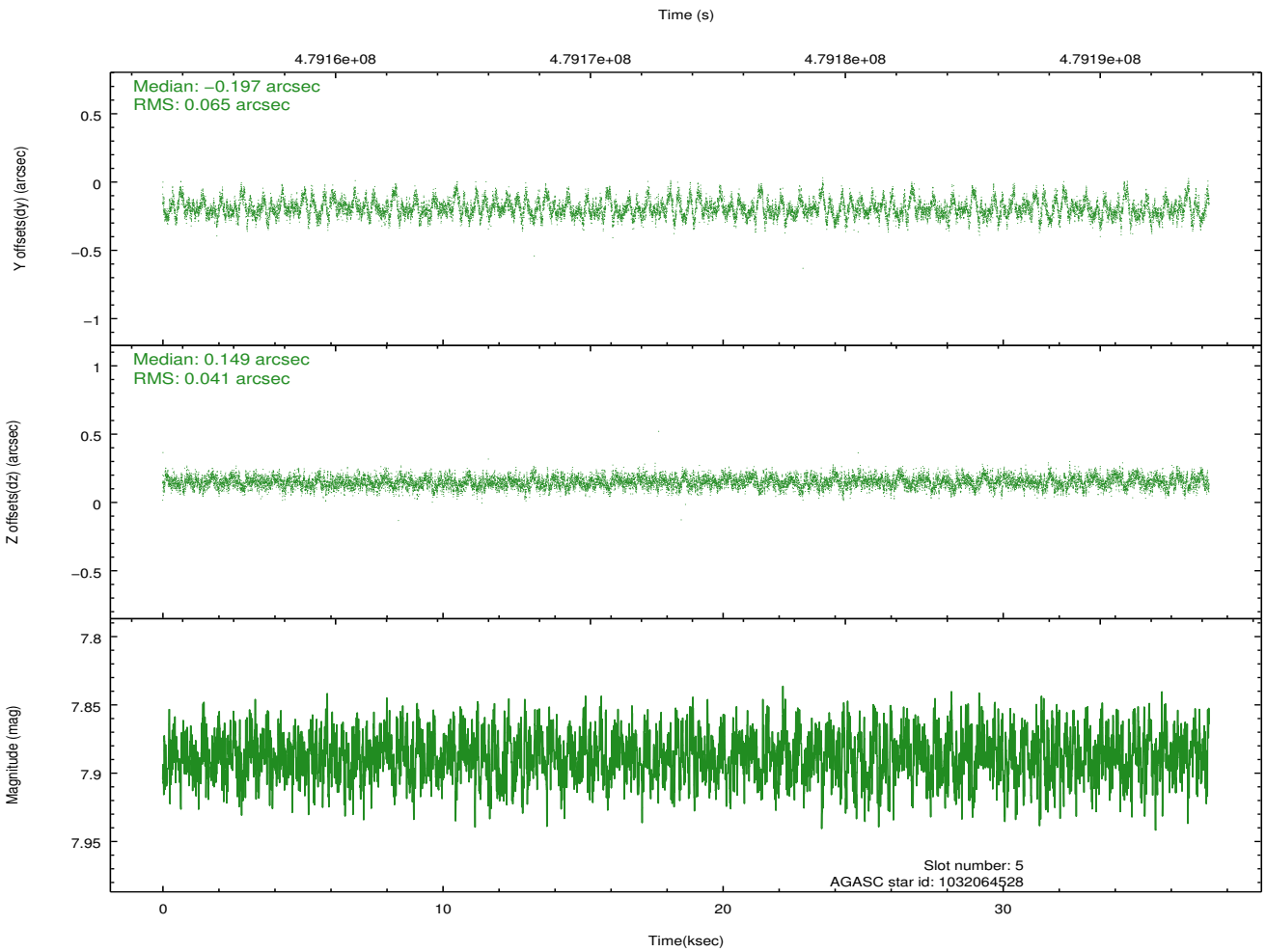
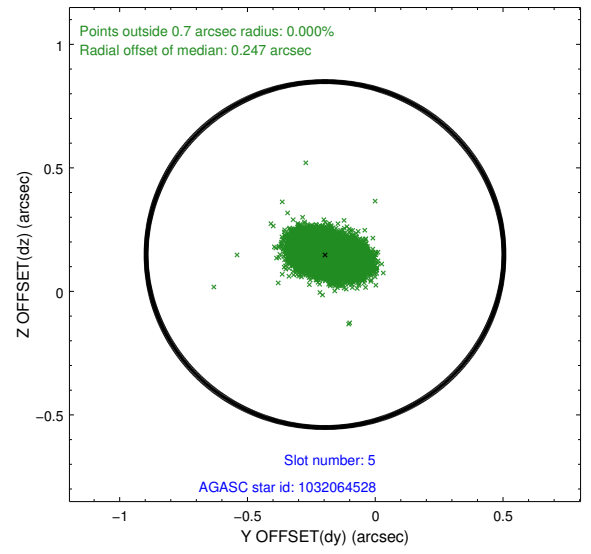
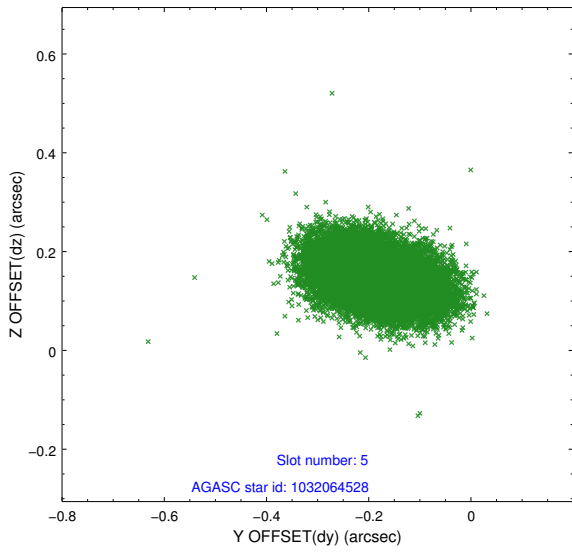
### 2.4.1 Slot 3



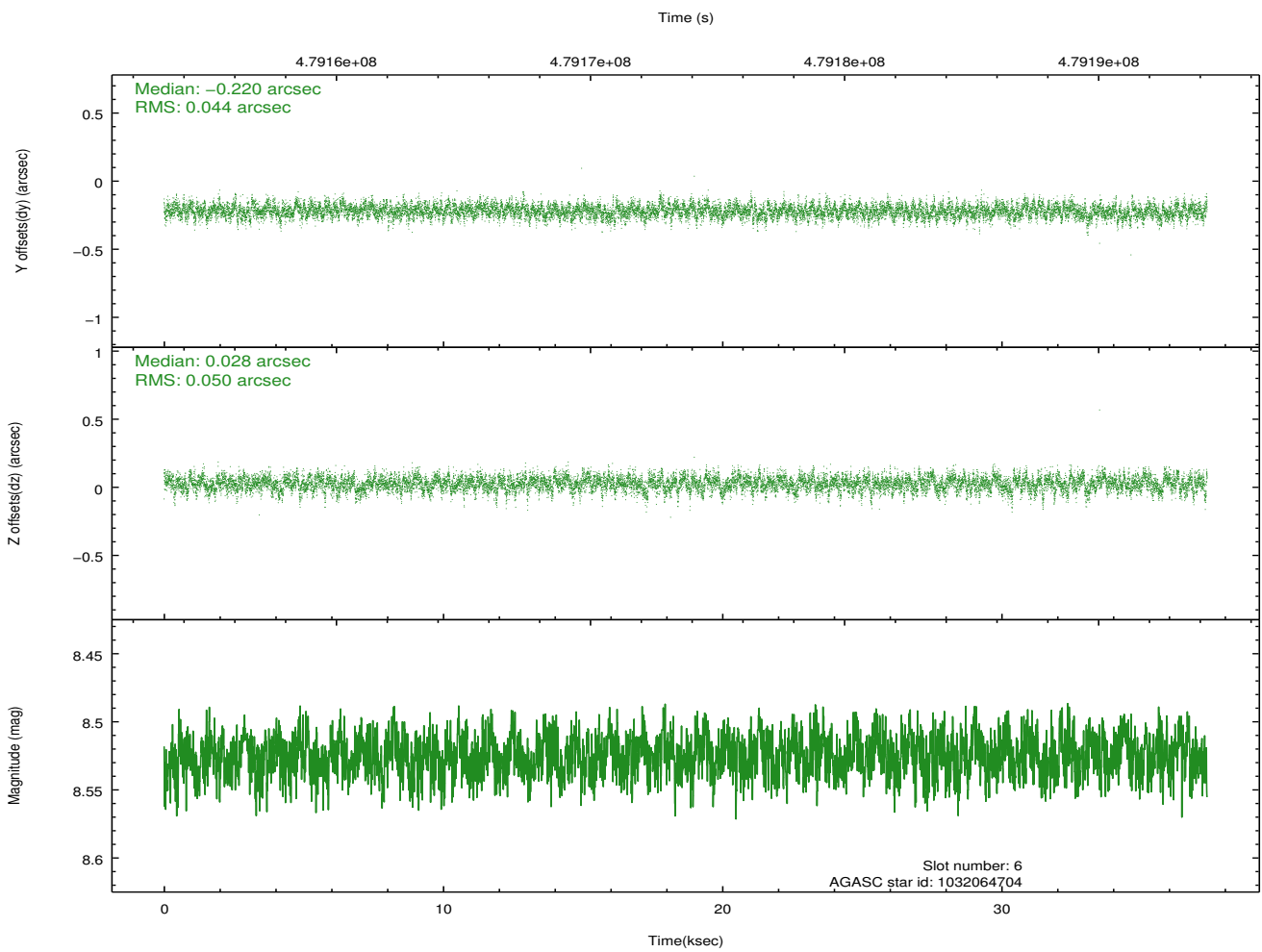
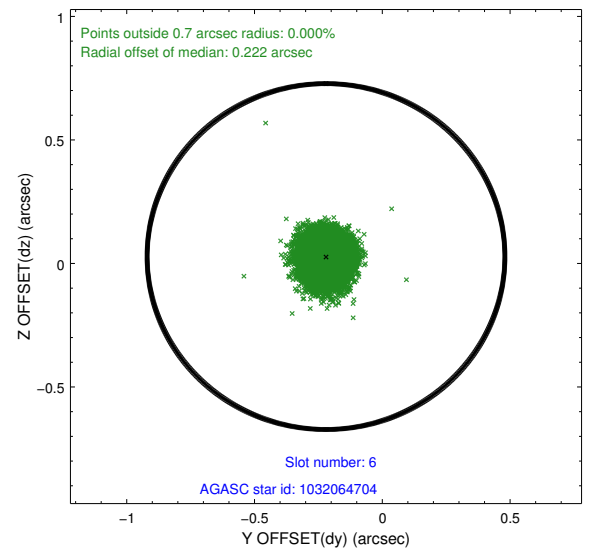
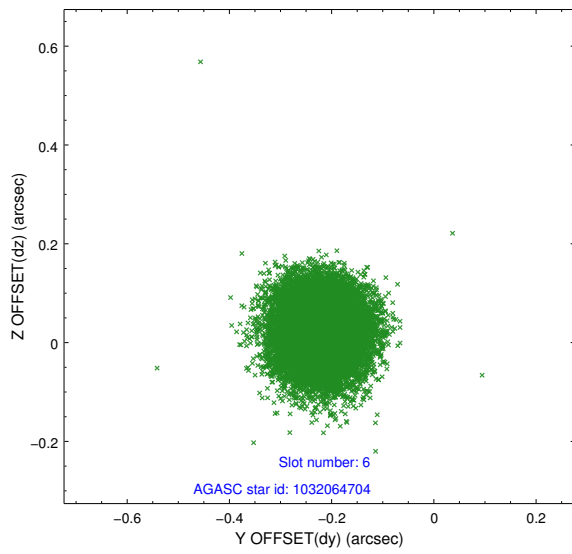
## 2.4.2 Slot 4



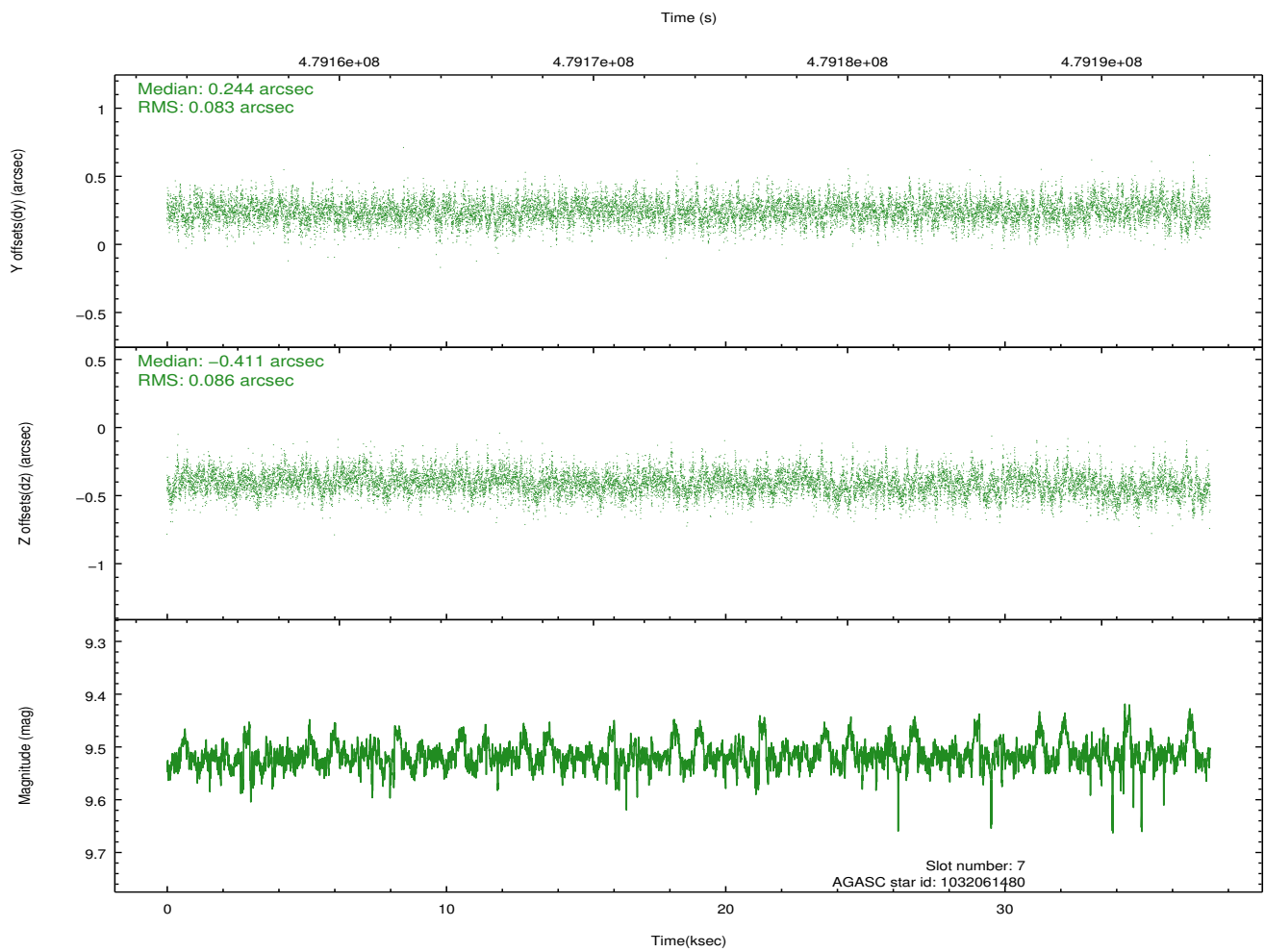
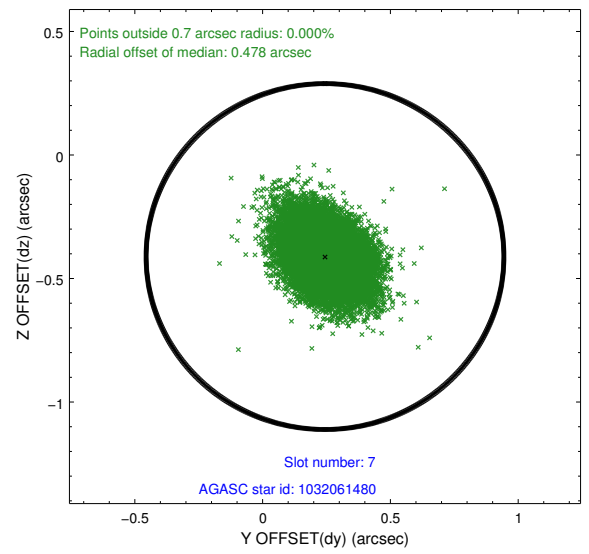
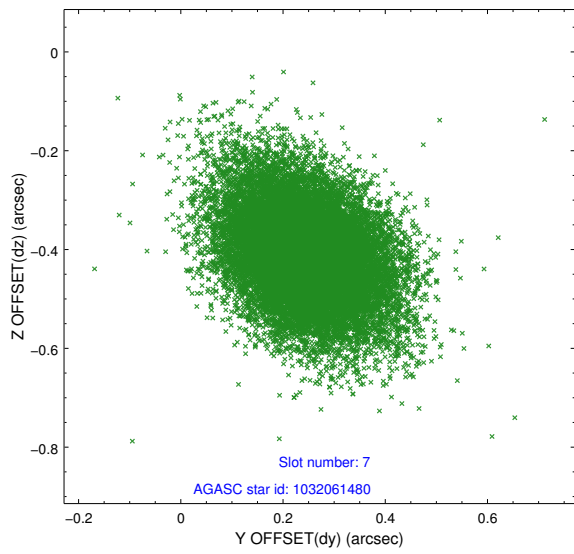
### 2.4.3 Slot 5



## 2.4.4 Slot 6

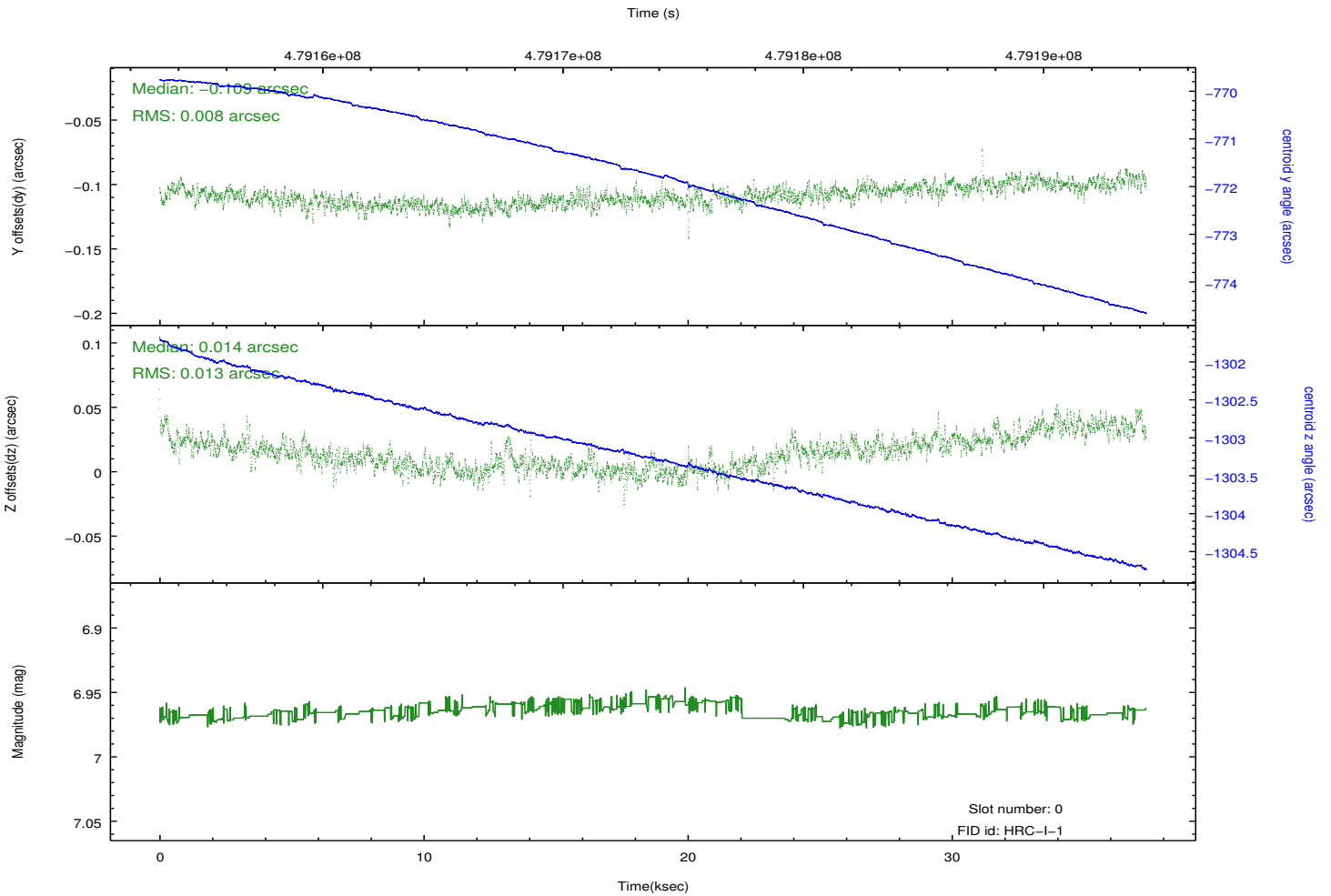
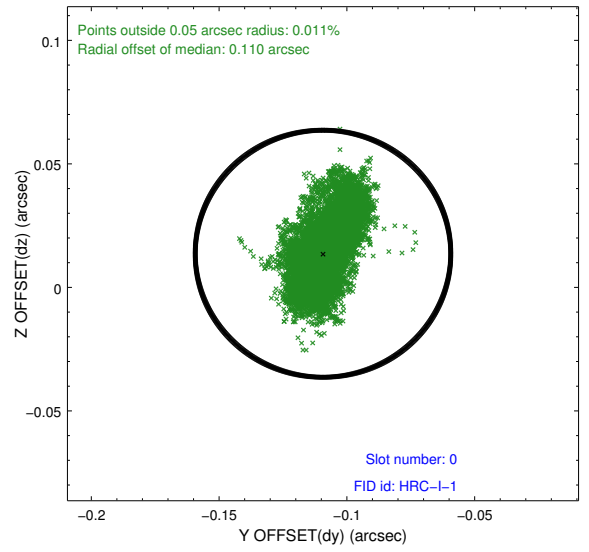
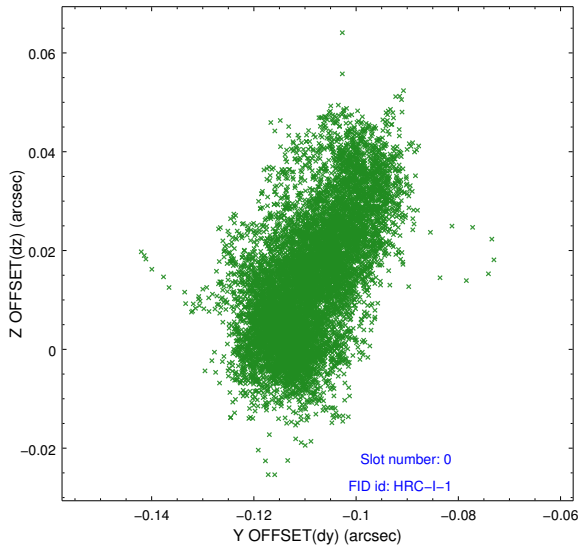


## 2.4.5 Slot 7

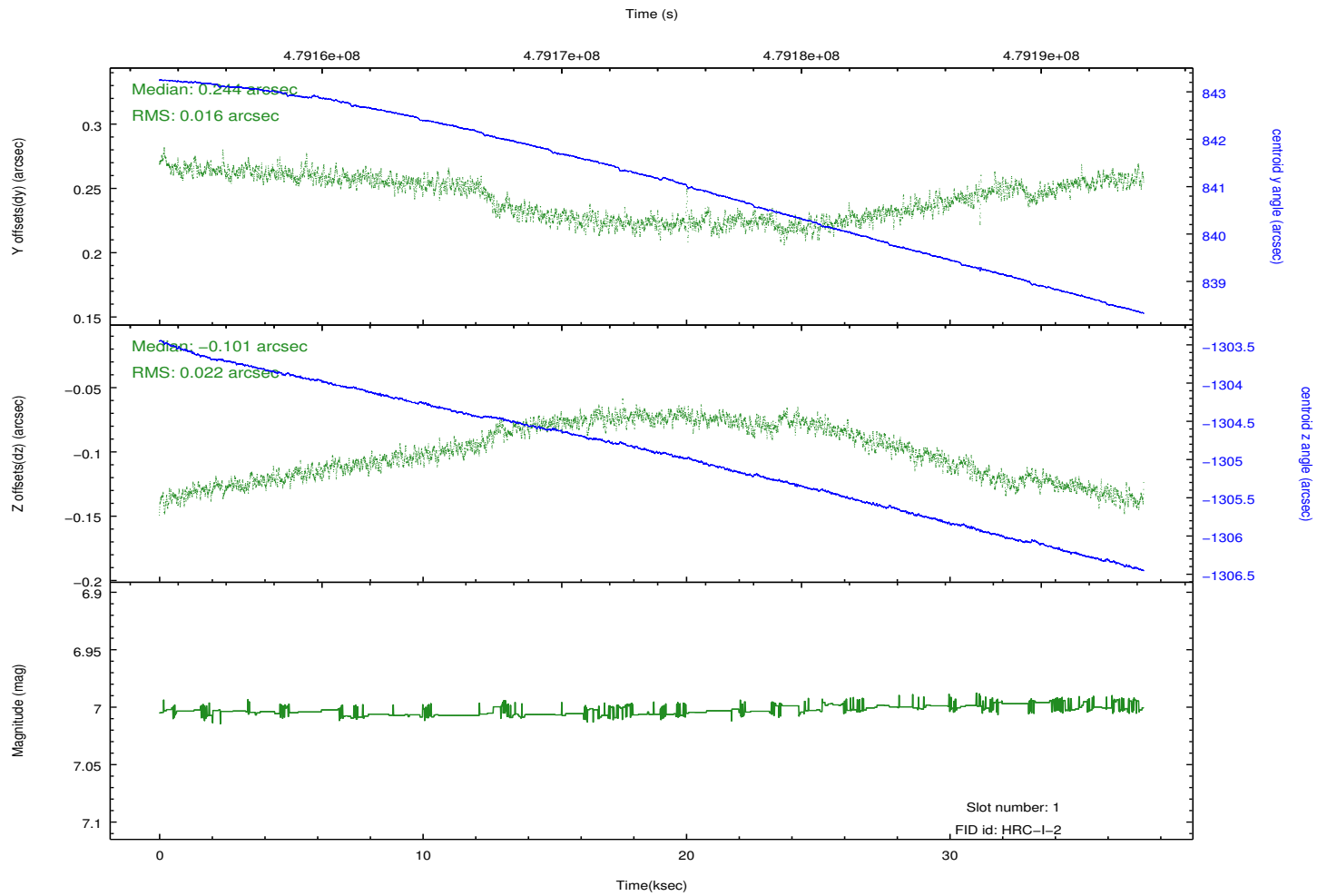
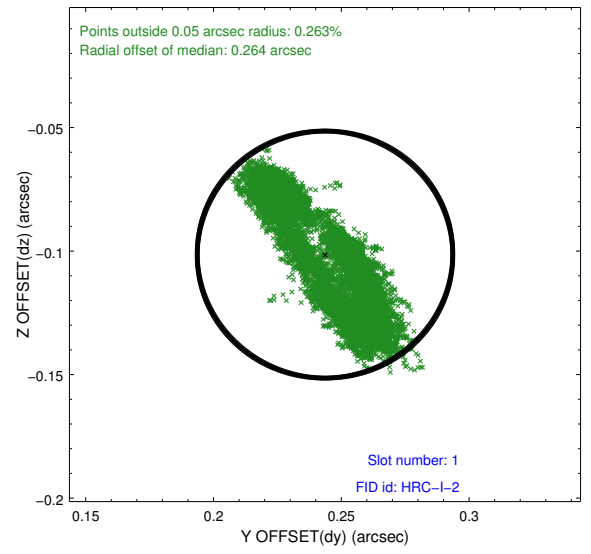
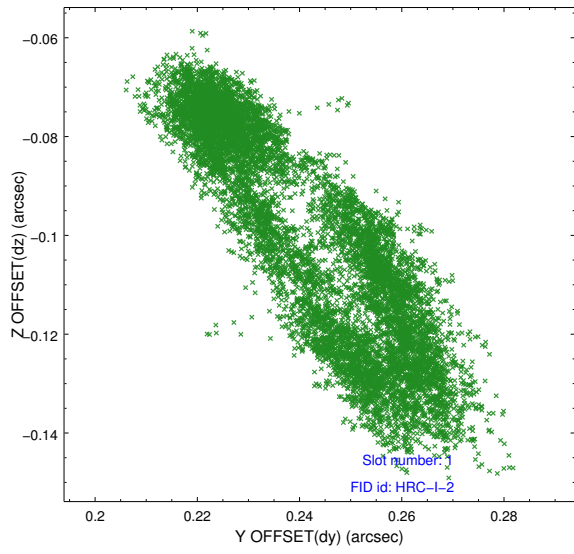


## 2.5 FID Slots

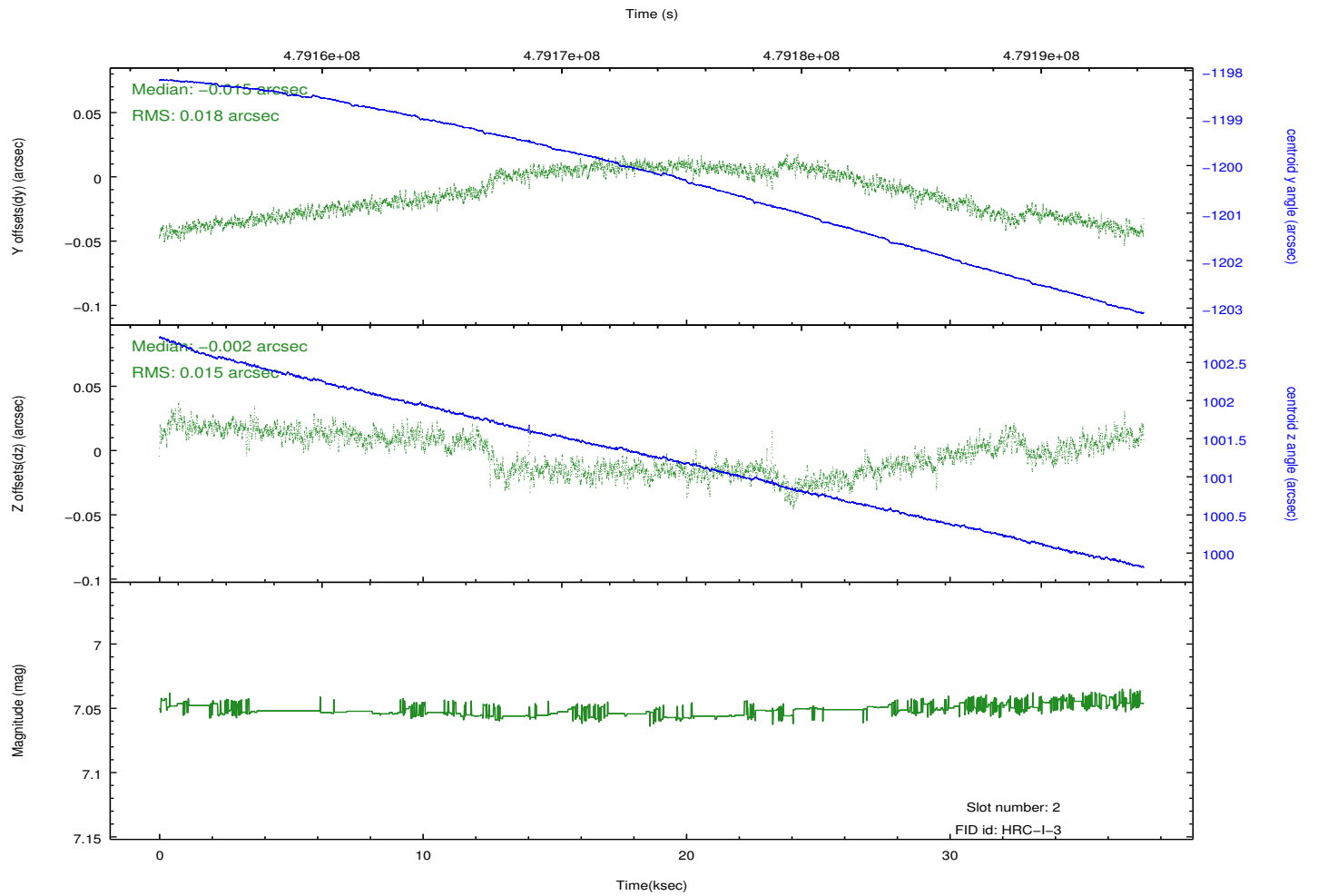
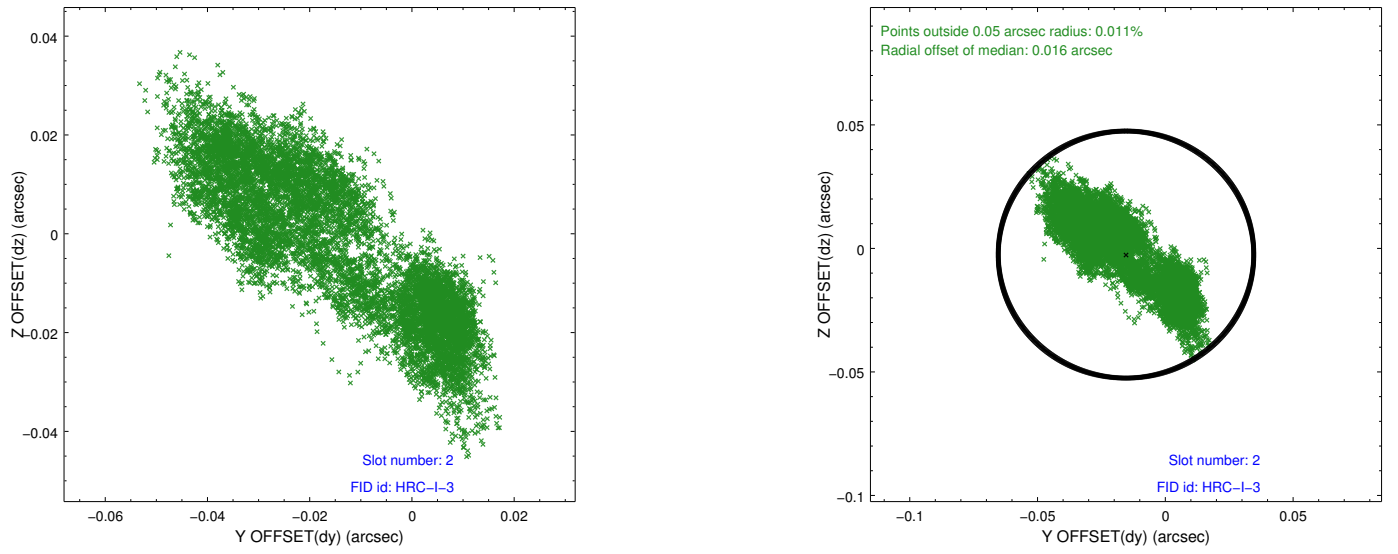
### 2.5.1 Slot 0



## 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)	2014.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.357152021885

## A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.