

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8370 - L2 Version 5  
Chandra X-Ray Center

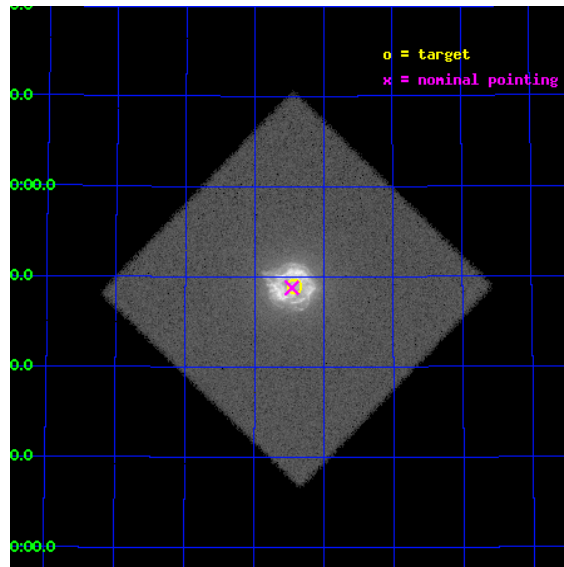
L2 Processing Date : Aug 11 2012

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# 1 Front

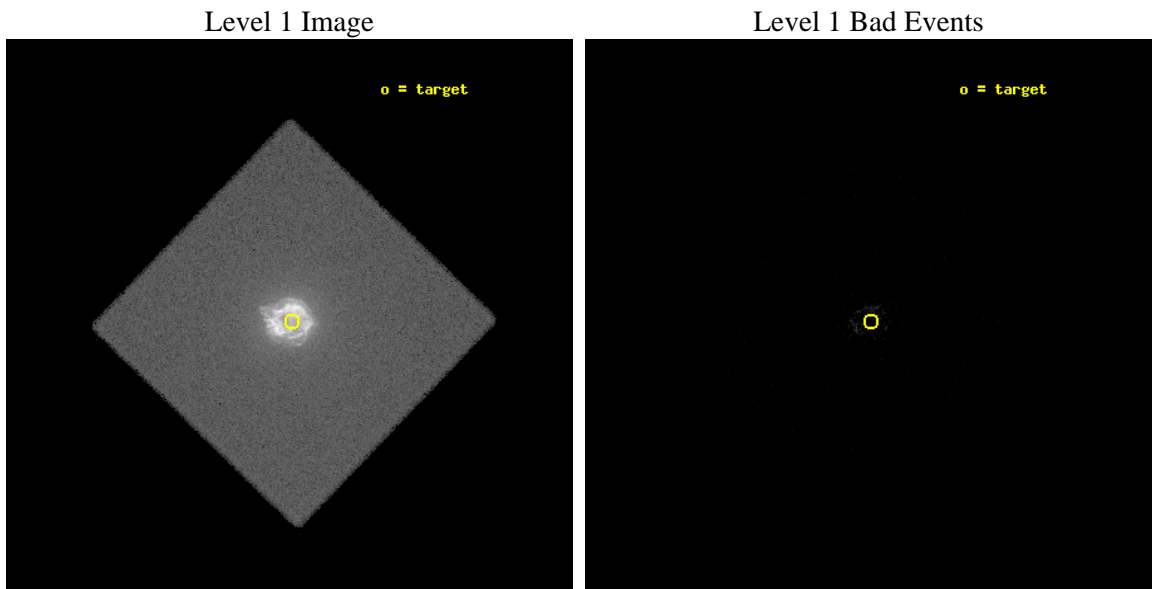
seq_num	590463	Sequence number
obs_id	8370	Observation id
title	AO8 Observations of the Standard Candles Cas A and G21.5-09	Propos
observer	Dr. CXC Calibration	Principal investigator
object	Cas A	Source name
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.86522427991	Nominal RA [deg]
dec_nom	58.813105430591	Nominal Dec [deg]
roll_nom	358.97525942246	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5161.9002456069	[s]
livetime	4928.1499182997	Ontime multiplied by DTCOR
l2events	780037	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5161.9002456069	[s]
caldbver	4.5.1.1	&#160	l1events	956606	Number of level 1 events
date	2012-08-11T20:19:05	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

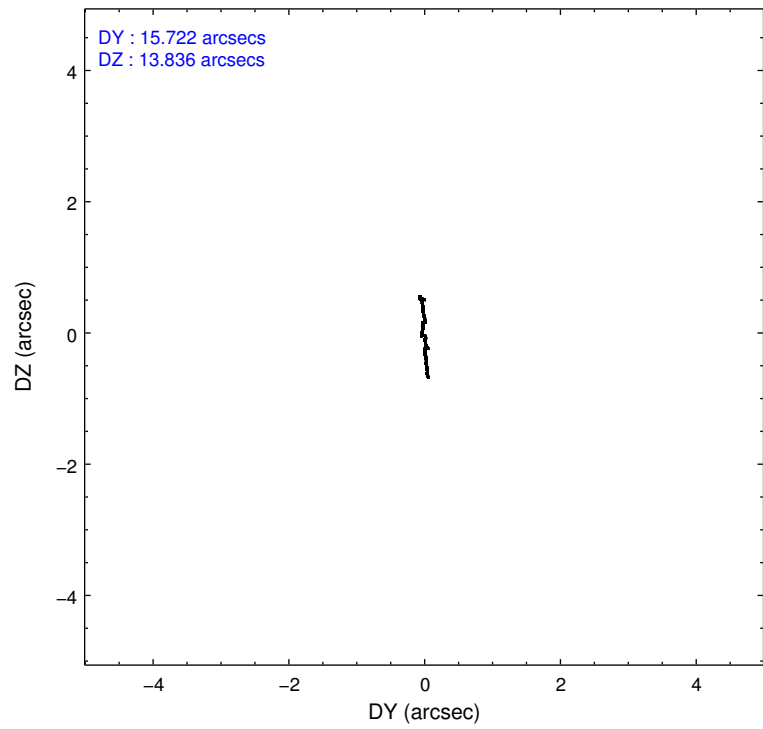
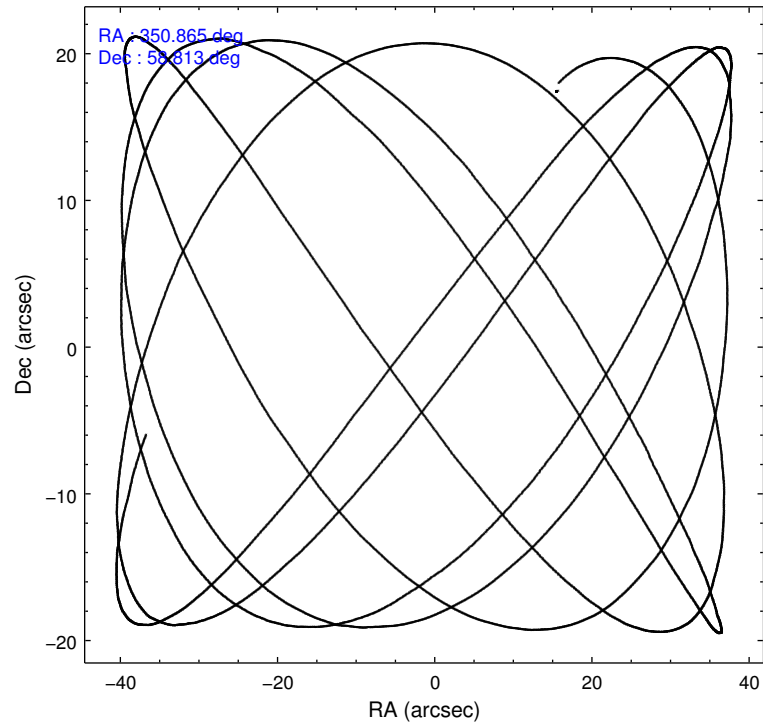
	<b>segment 0</b>
level 1 events	956606
rejected events	12530
rejected %	1%

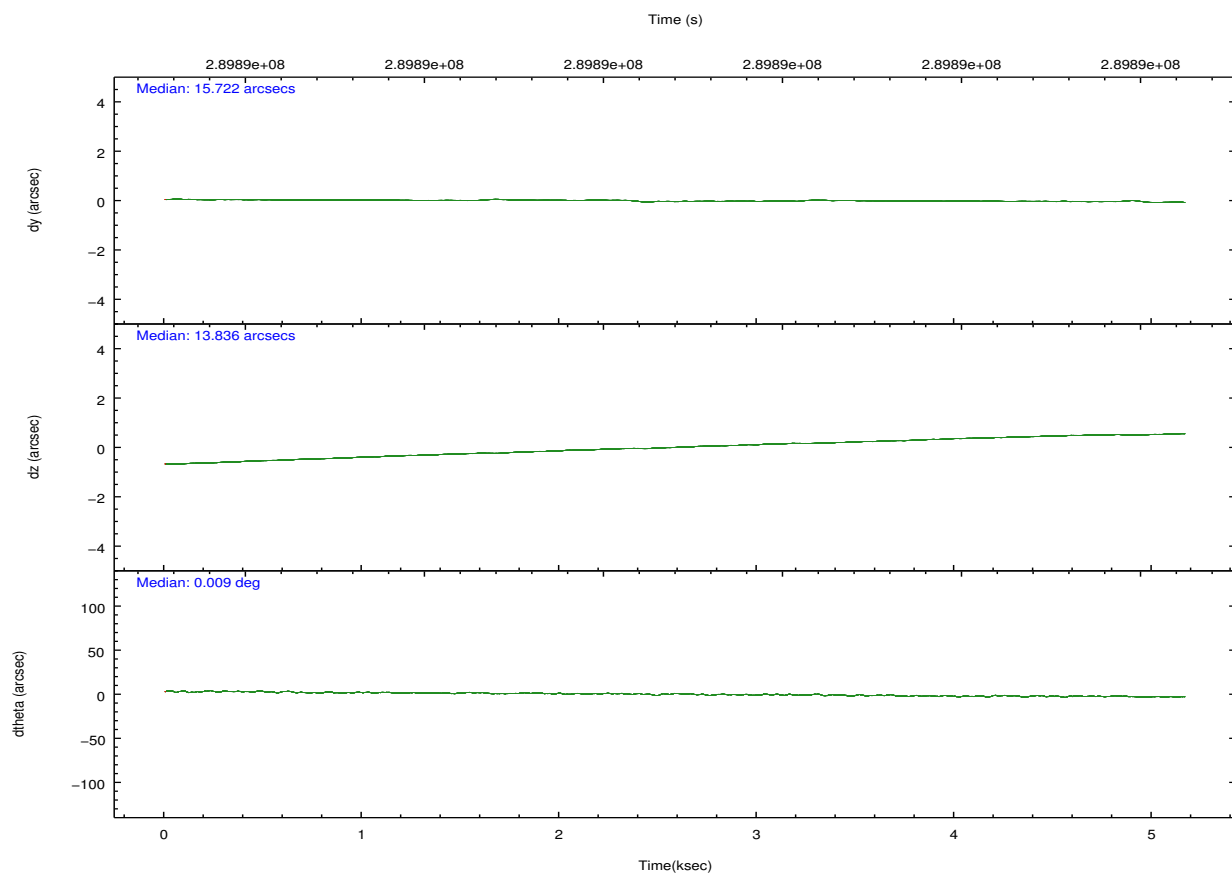
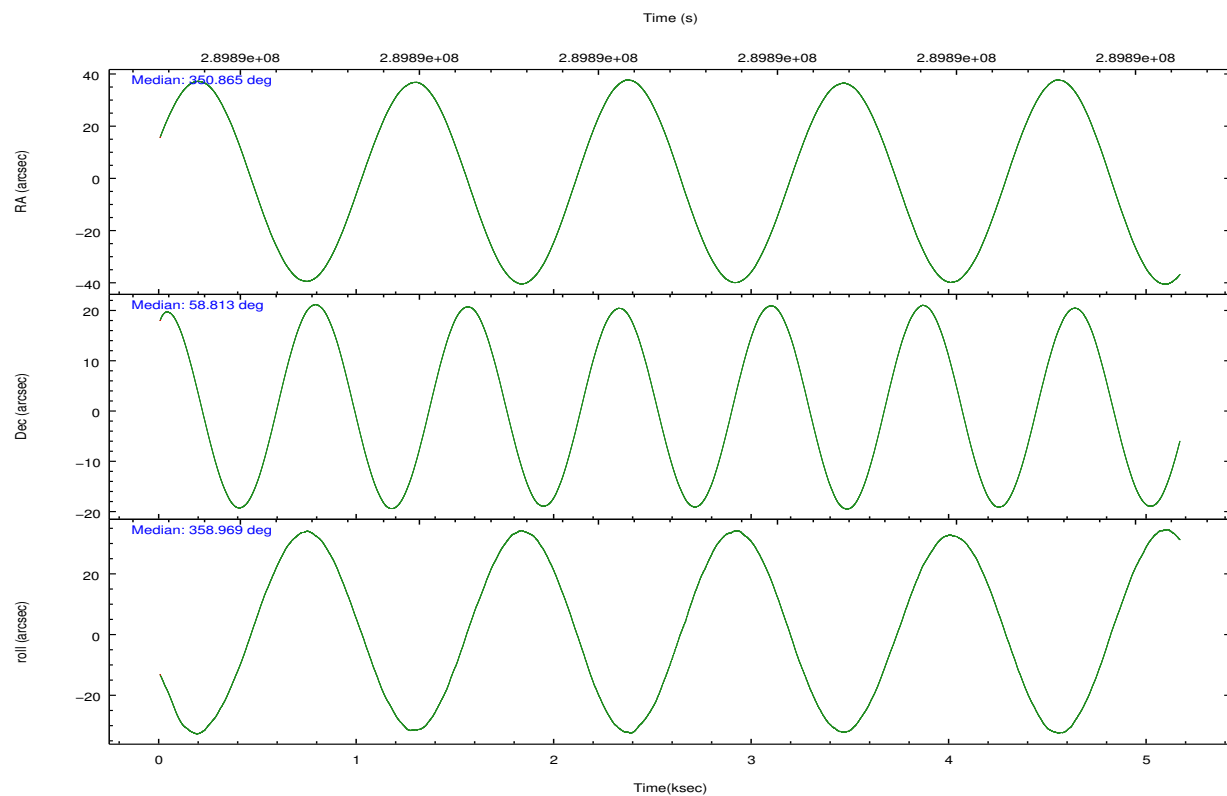


## 2.2 Compared Parameters

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	350.819695	350.865224279911			
[deg] Pointing Dec	58.799466	58.81310543059098			
[deg] Pointing Roll	359.109704	358.9752594224608			
[s] Window start time (MET)	286675265.184000	286675265.184000			
[s] Window stop time (MET)	296956865.184000	296956865.184000			
[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)	289887979.184000	289887573.58465			
Observation start date	2007-03-10T04:25:14	2007-03-10T04:19:33			
[s] Observation end time (MET)	289892979.184000	289893464.25993			
Observation end date	2007-03-10T05:48:34	2007-03-10T05:57:44			

## 2.3 Aspect



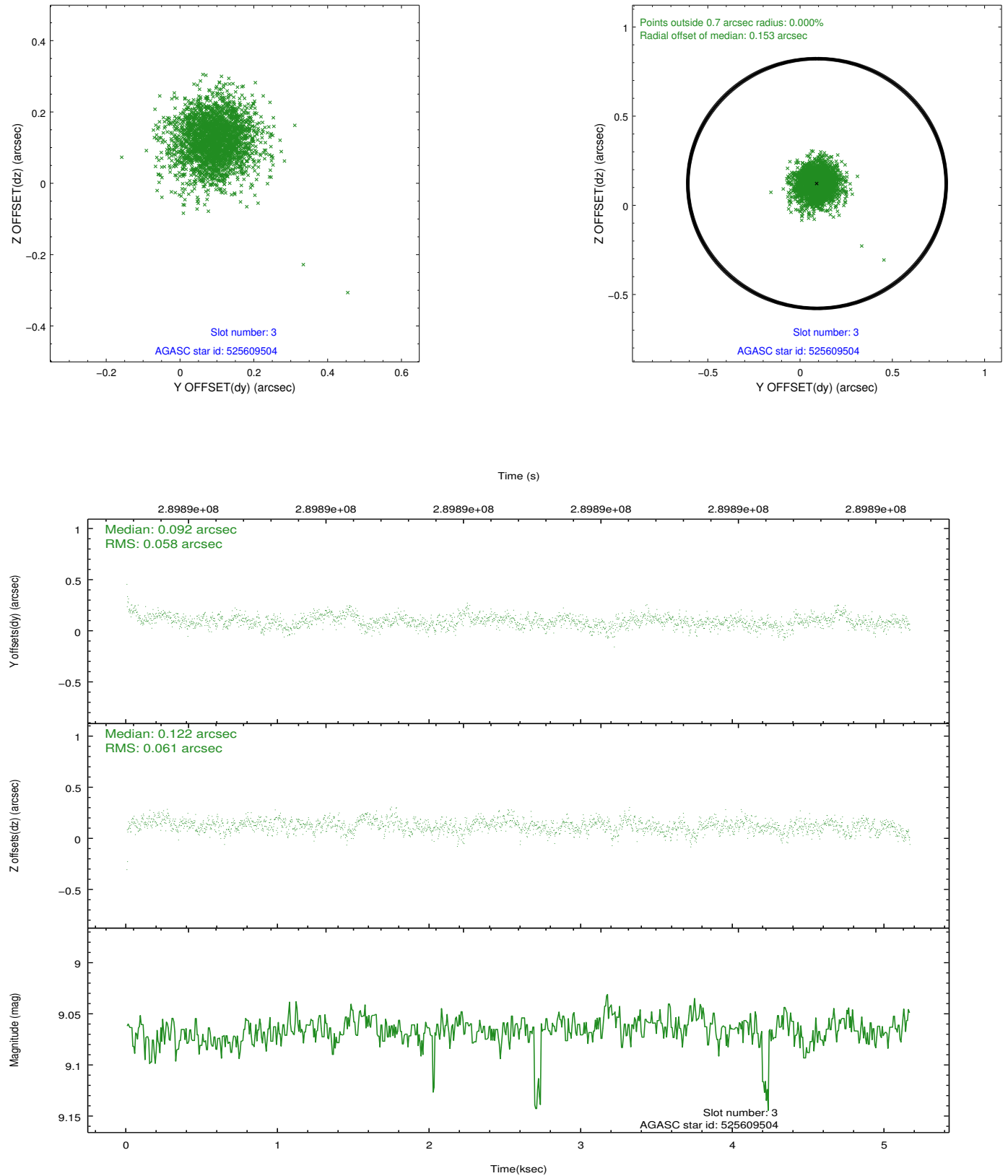


### Slot Statistics

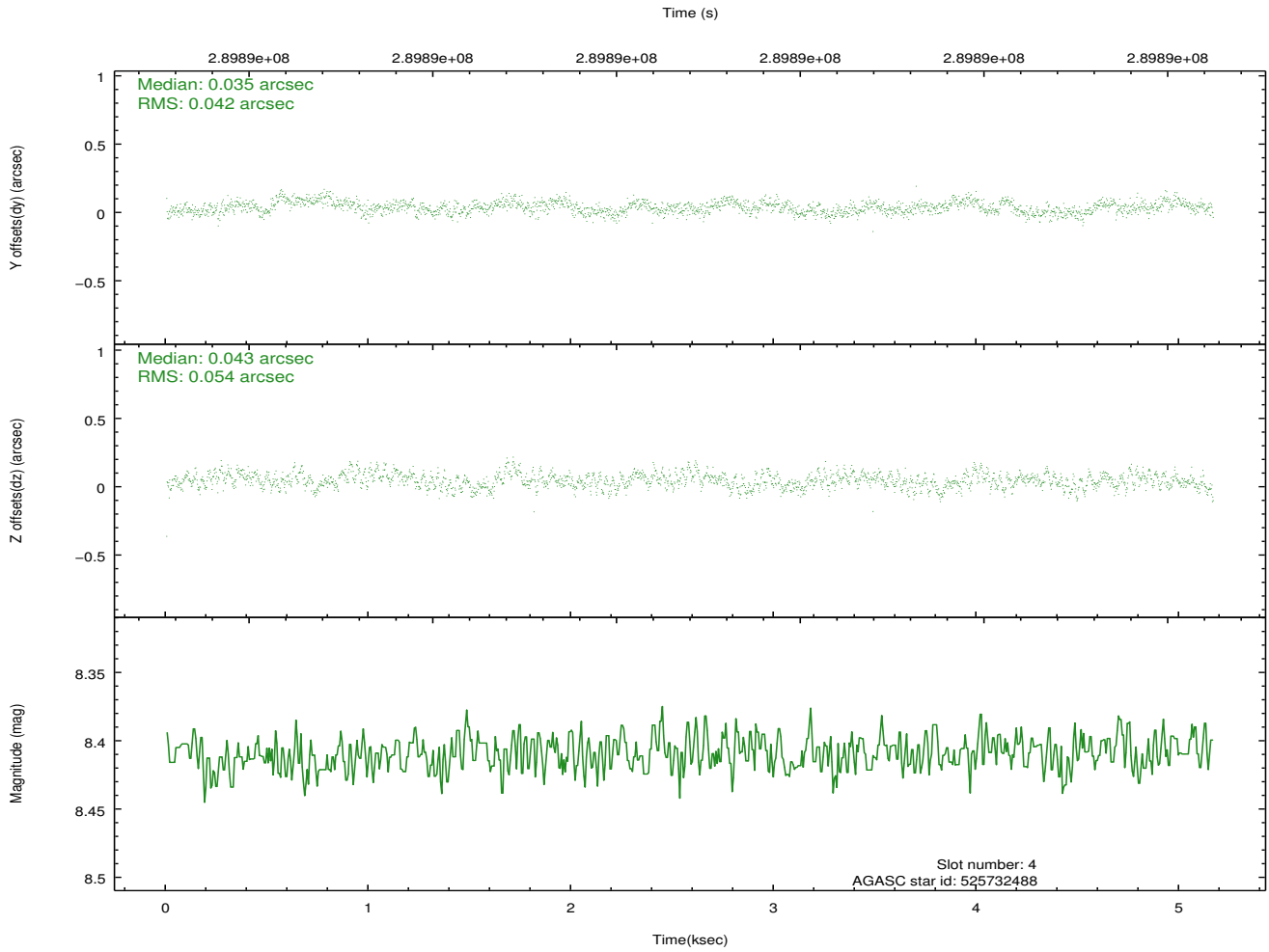
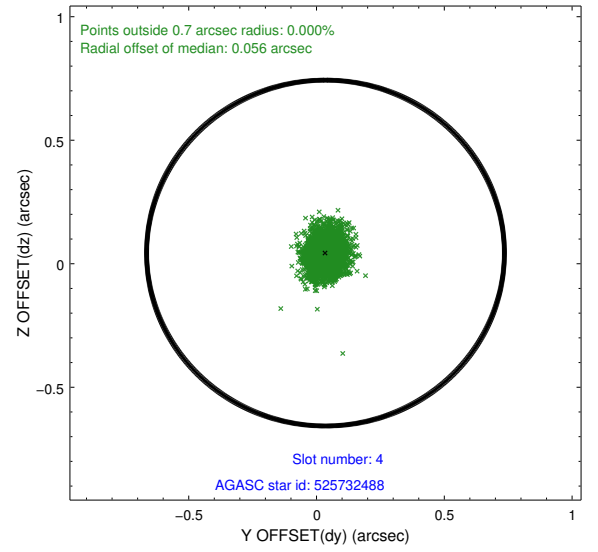
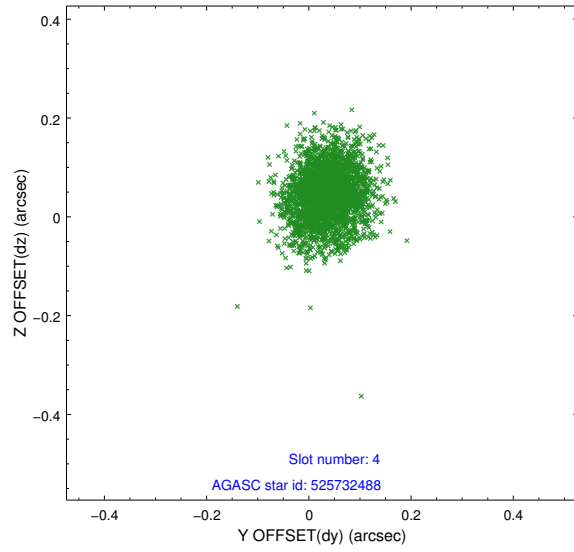
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	1260	-0.057	0.036	0.016	0.025	0.000000	0.000000	-771.60	-1301.84
1	FID	HRC-I-2	7.00	1260	0.176	-0.089	0.013	0.020	0.000000	0.000000	840.65	-1304.57
2	FID	HRC-I-3	7.04	1260	0.000	-0.035	0.011	0.016	0.000000	0.000000	-1199.36	1001.62
3	GUIDE	525609504	9.07	2512	0.092	0.122	0.088	0.147	349.896632	58.356658	-1718.68	-1608.55
4	GUIDE	525732488	8.41	2519	0.035	0.043	0.072	0.118	350.087090	58.516915	-1362.08	-1031.09
5	GUIDE	525735456	6.91	2520	-0.093	-0.156	0.051	0.083	350.628183	59.307249	-381.32	1822.76
6	GUIDE	525735976	8.74	2516	0.001	0.054	0.090	0.147	350.142956	58.277622	-1251.95	-1890.70
7	GUIDE	525737896	7.00	2519	-0.032	-0.063	0.071	0.112	352.012180	59.335036	2158.20	1981.41

## 2.4 Star Slots

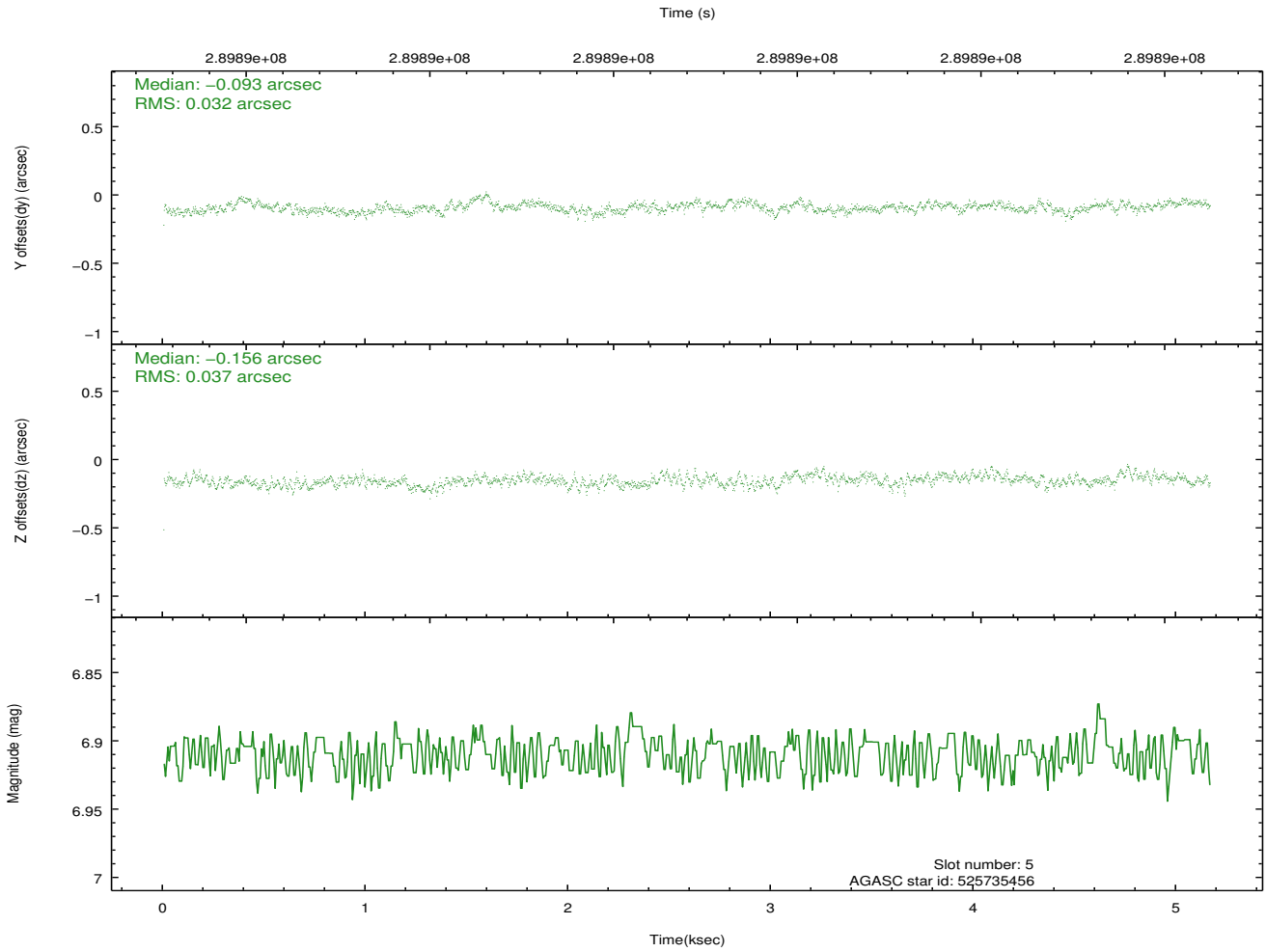
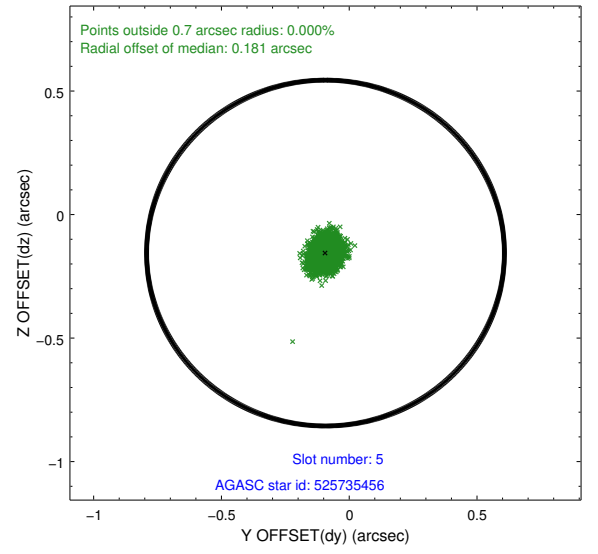
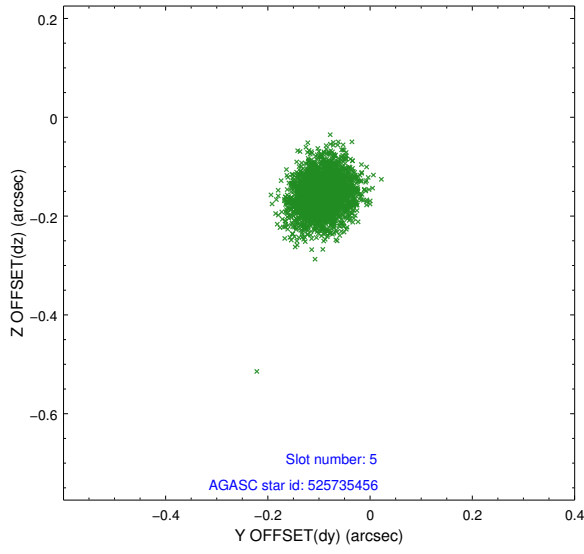
### 2.4.1 Slot 3



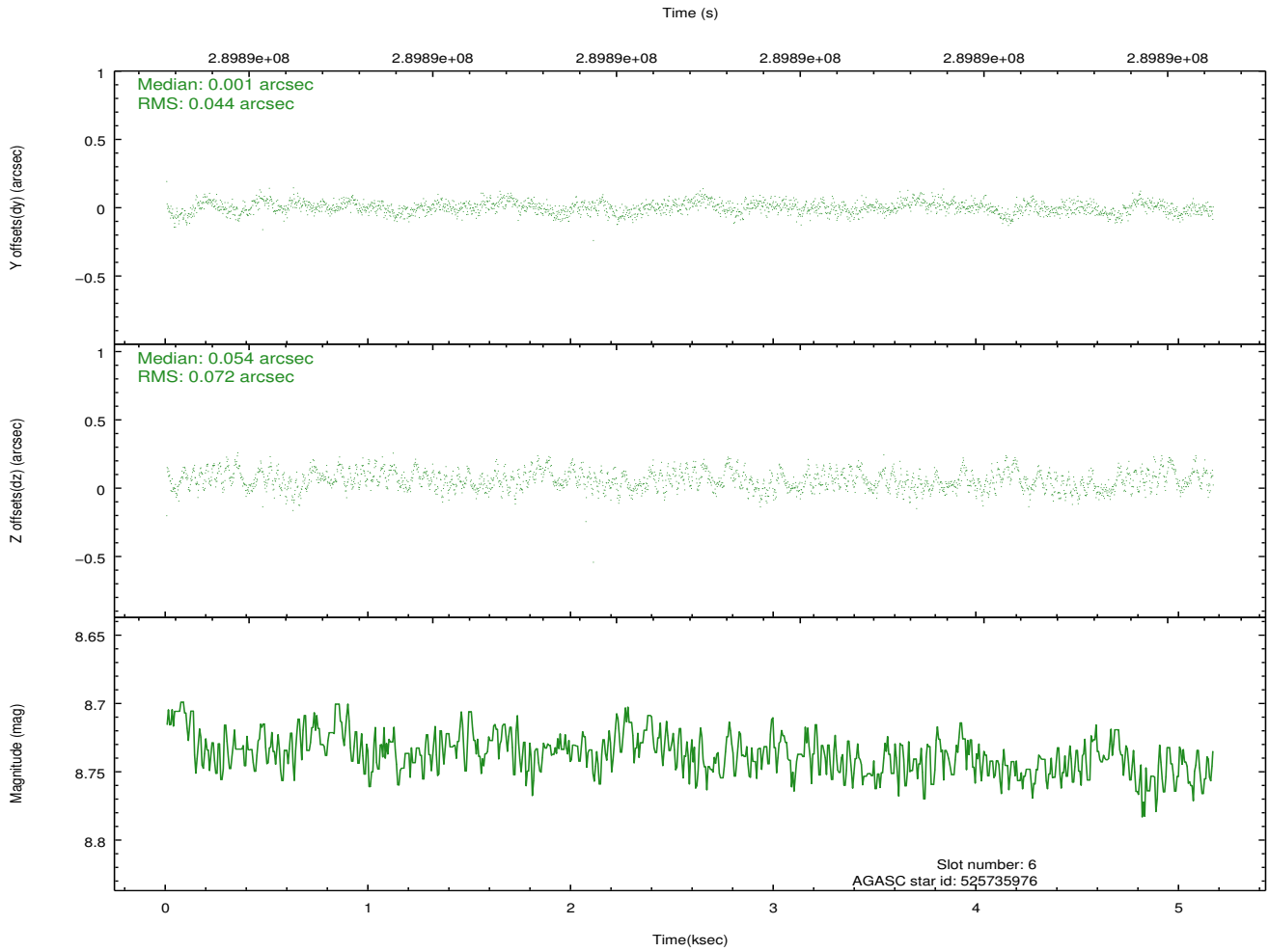
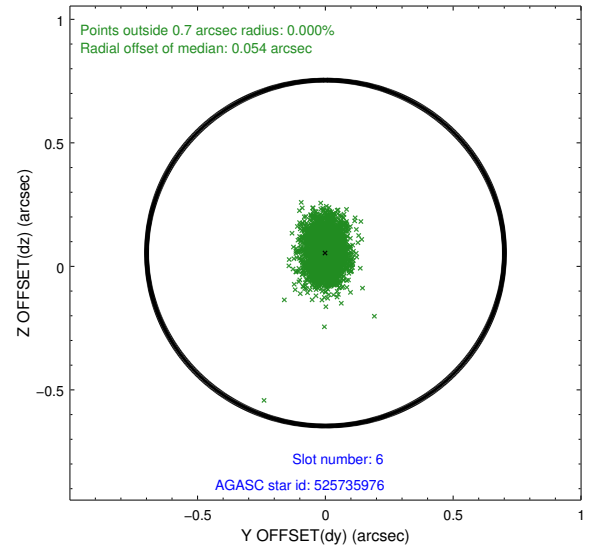
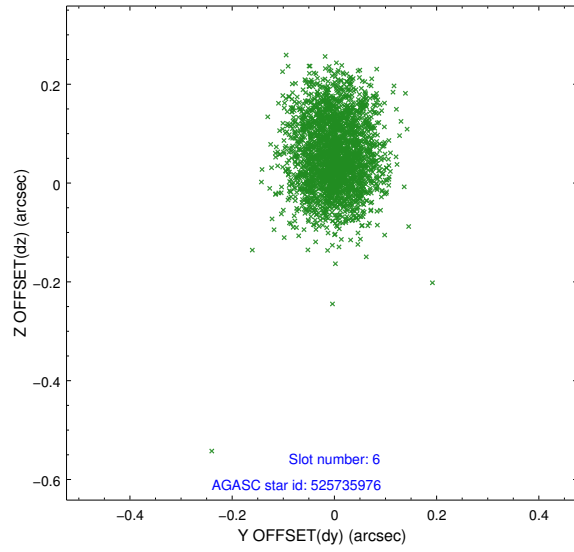
## 2.4.2 Slot 4



### 2.4.3 Slot 5

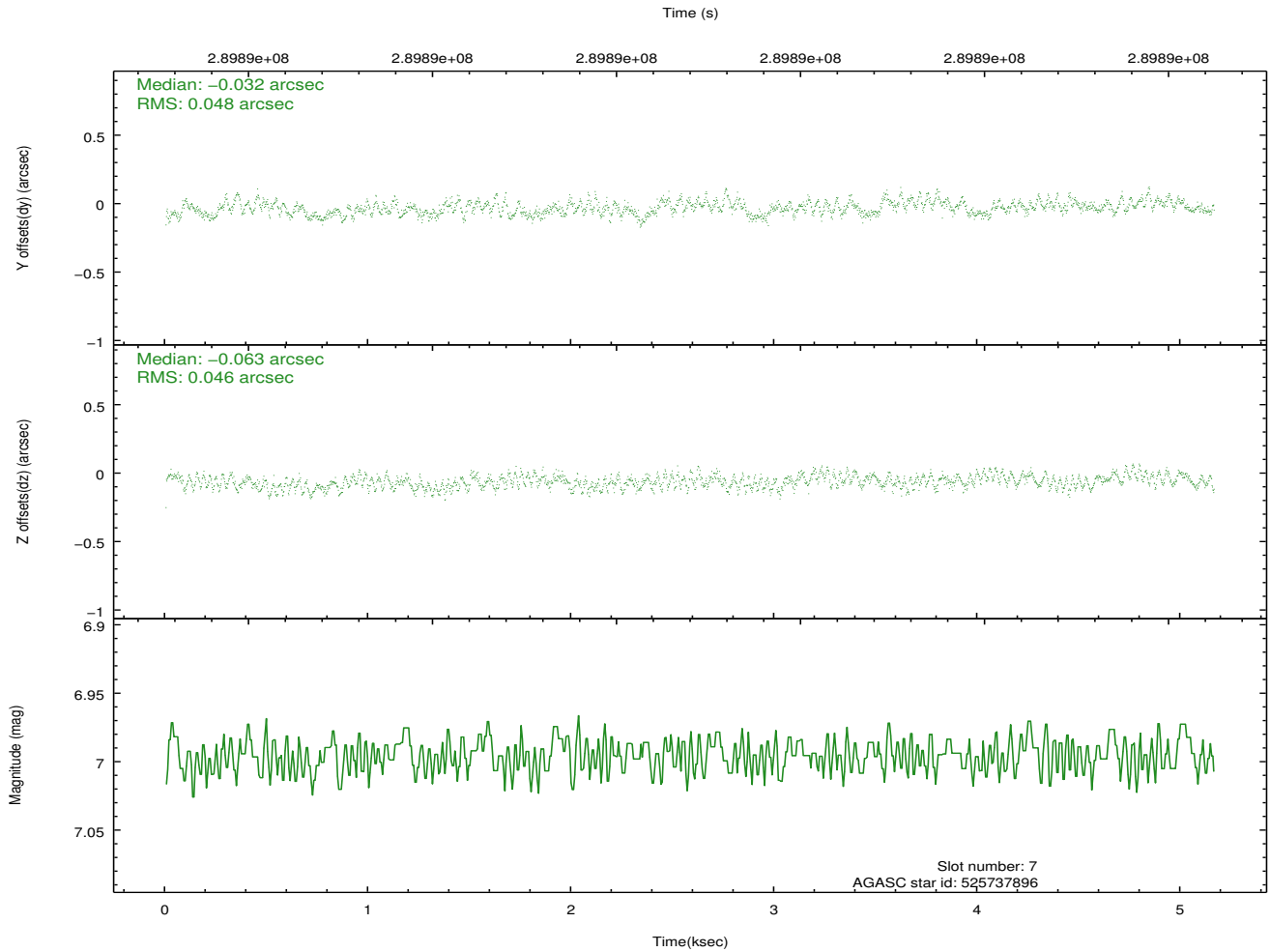
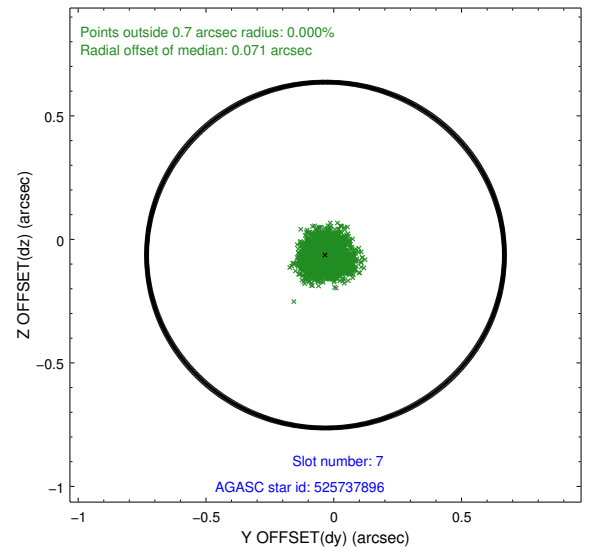
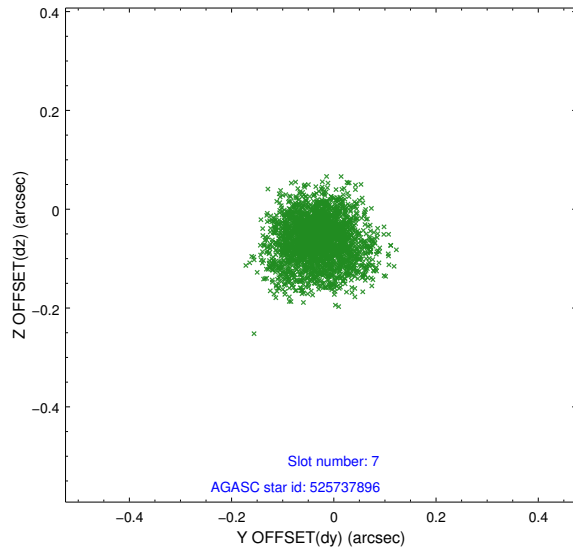


## 2.4.4 Slot 6



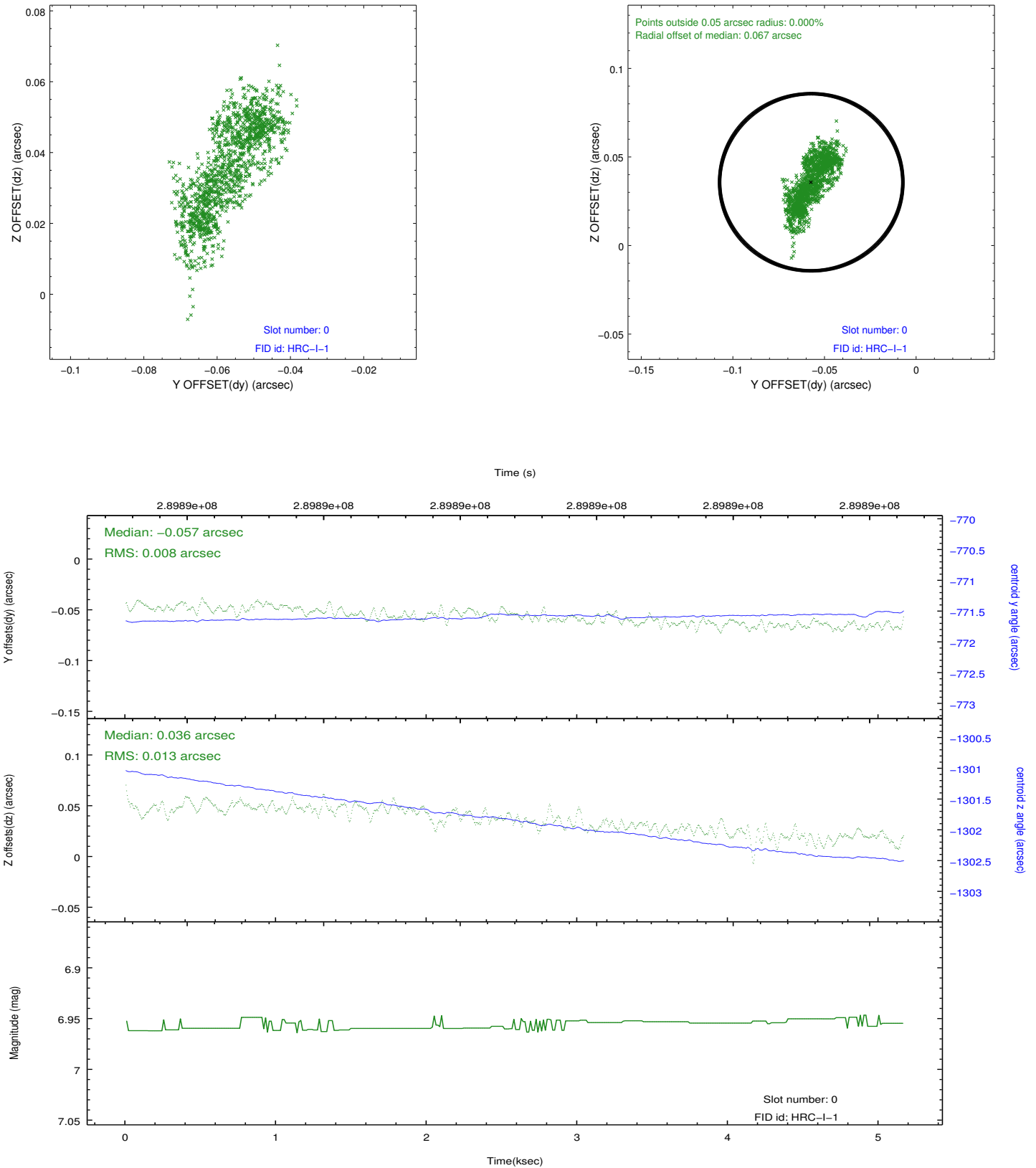


## 2.4.5 Slot 7

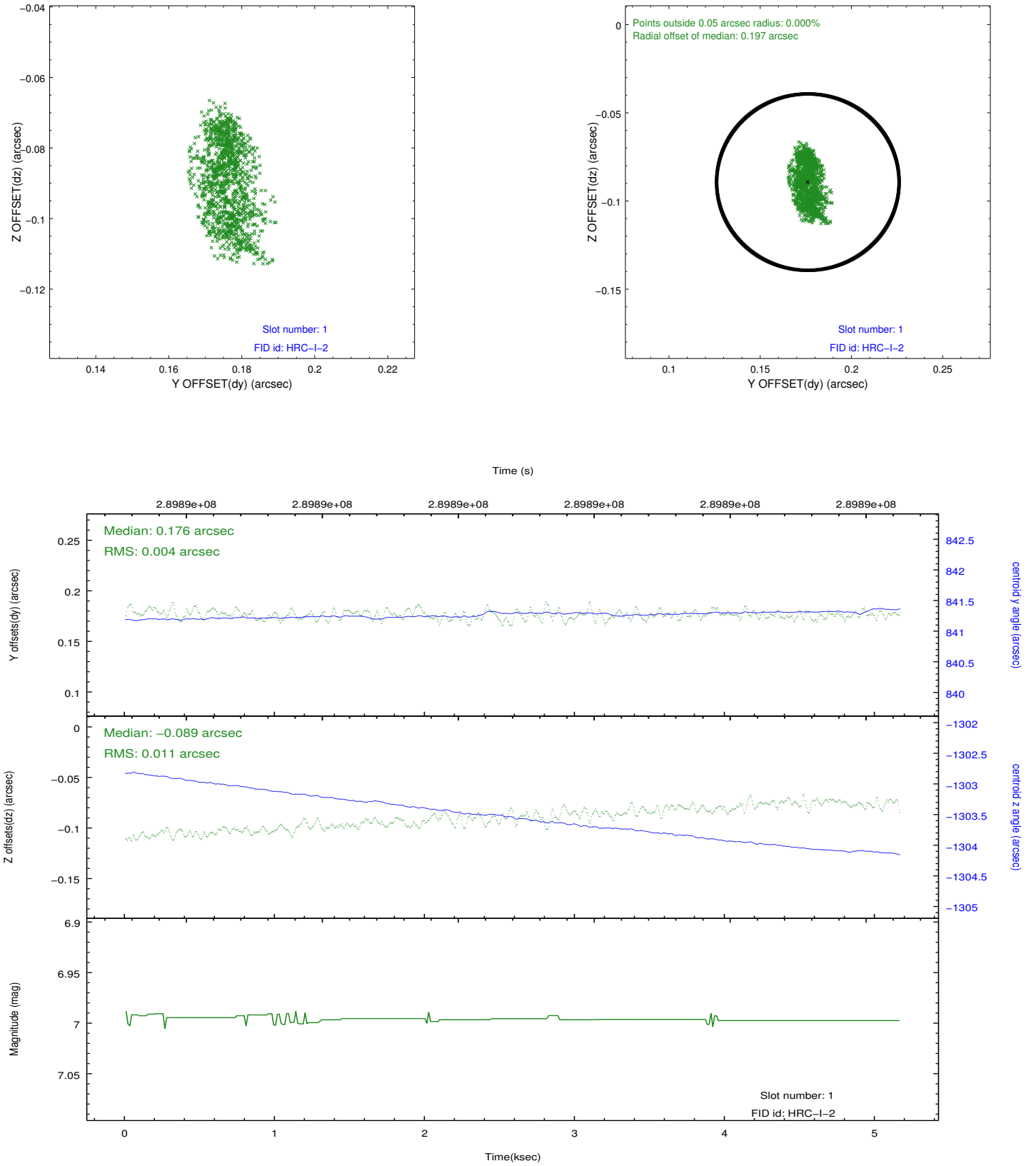


## 2.5 FID Slots

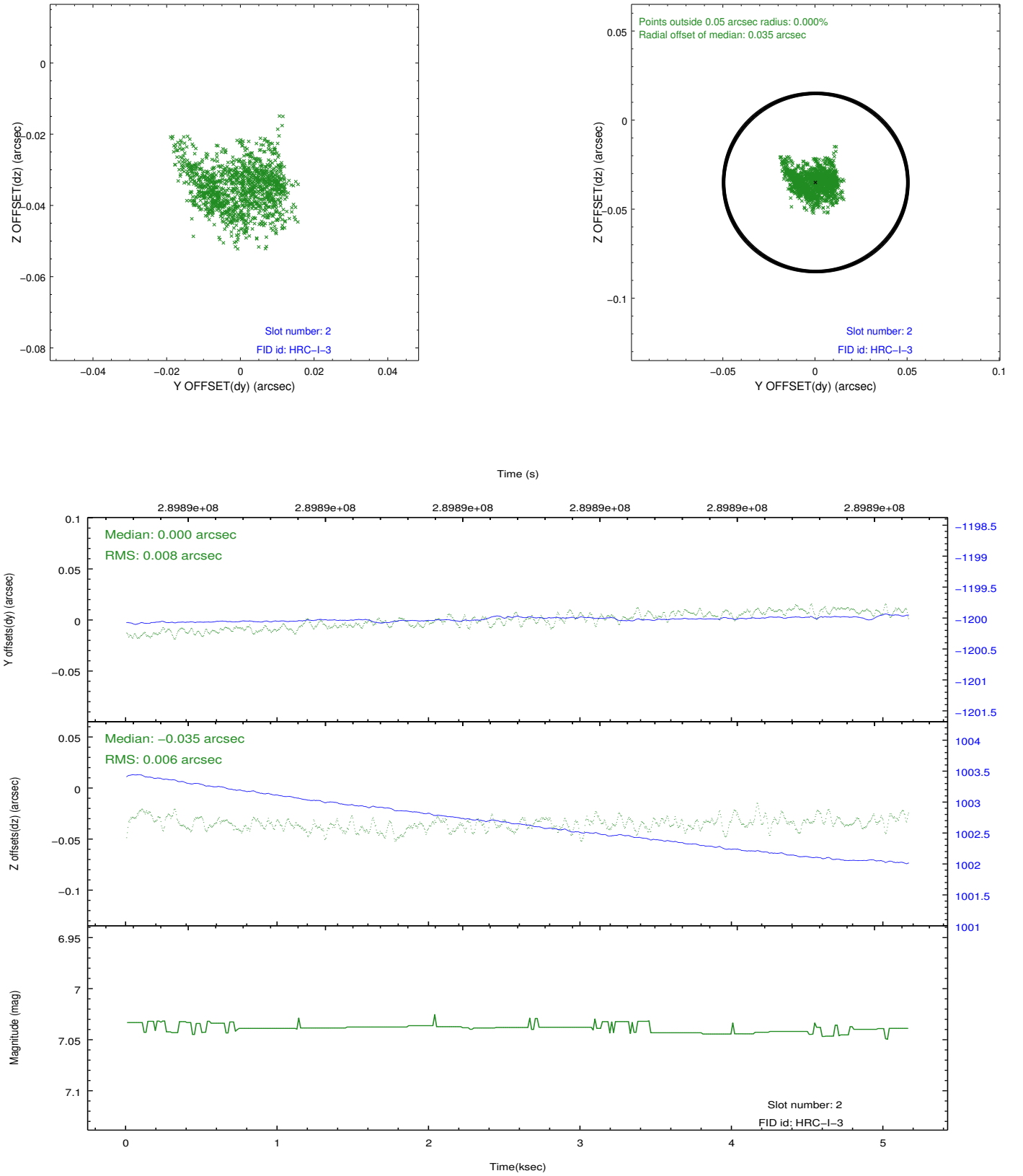
### 2.5.1 Slot 0



## 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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.16190024

### A.2 Comments

Window preference met.