

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 5972 - L2 Version 3  
Chandra X-Ray Center

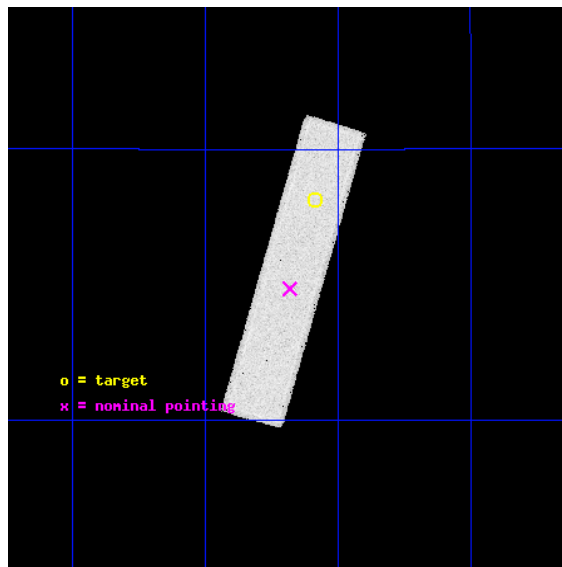
L2 Processing Date : Dec 16 2012

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# 1 Front

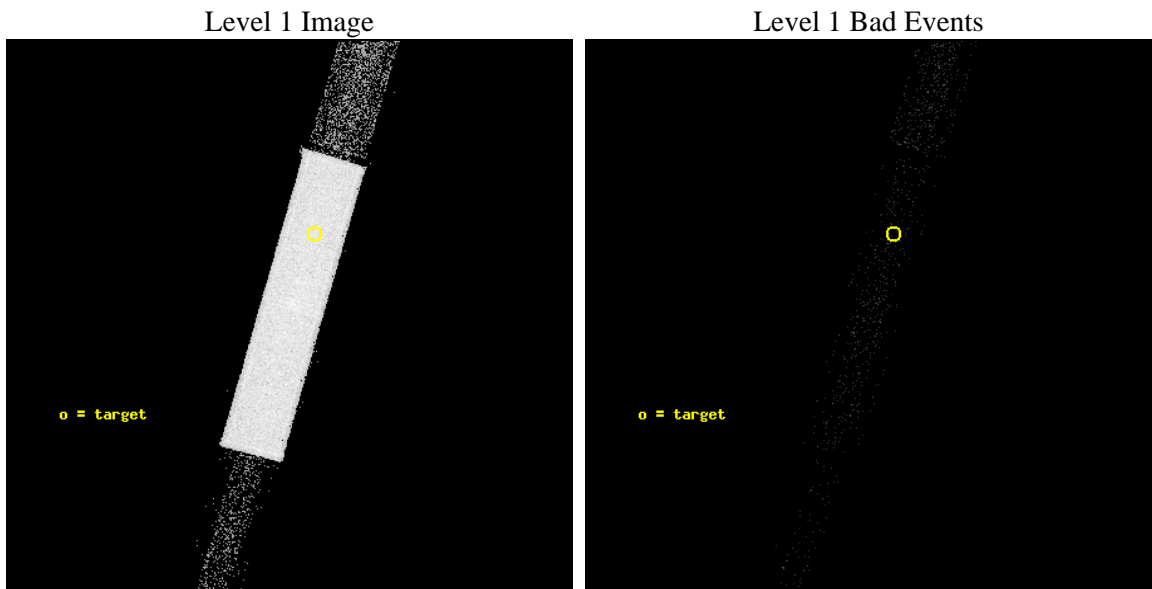
seq_num	290464	Sequence number
obs_id	5972	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.840546224046	Nominal RA [deg]
dec_nom	7.242348052956	Nominal Dec [deg]
roll_nom	286.03401346224	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2161.9813477695	[s]
livetime	2148.6601681343	Ontime multiplied by DTCOR
l2events	89676	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	2161.9813477695	[s]
caldbver	4.5.5	&#160	l1events	128957	Number of level 1 events
date	2012-12-17T01:40:12	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

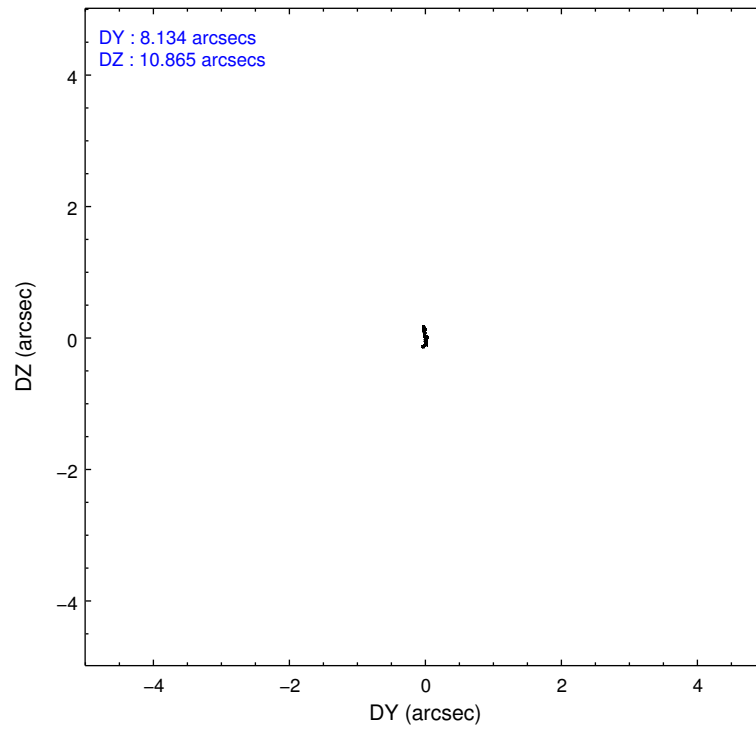
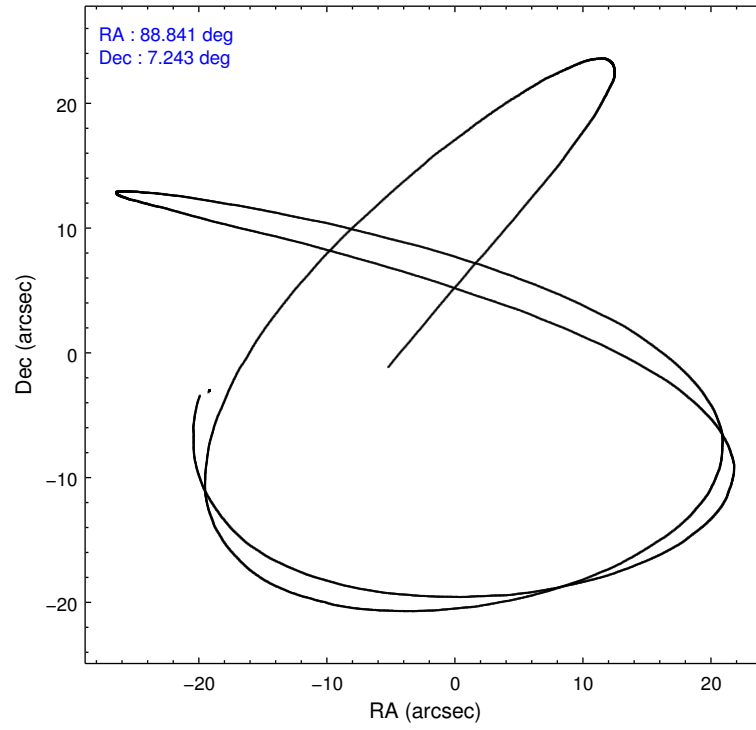
Level 1 Events

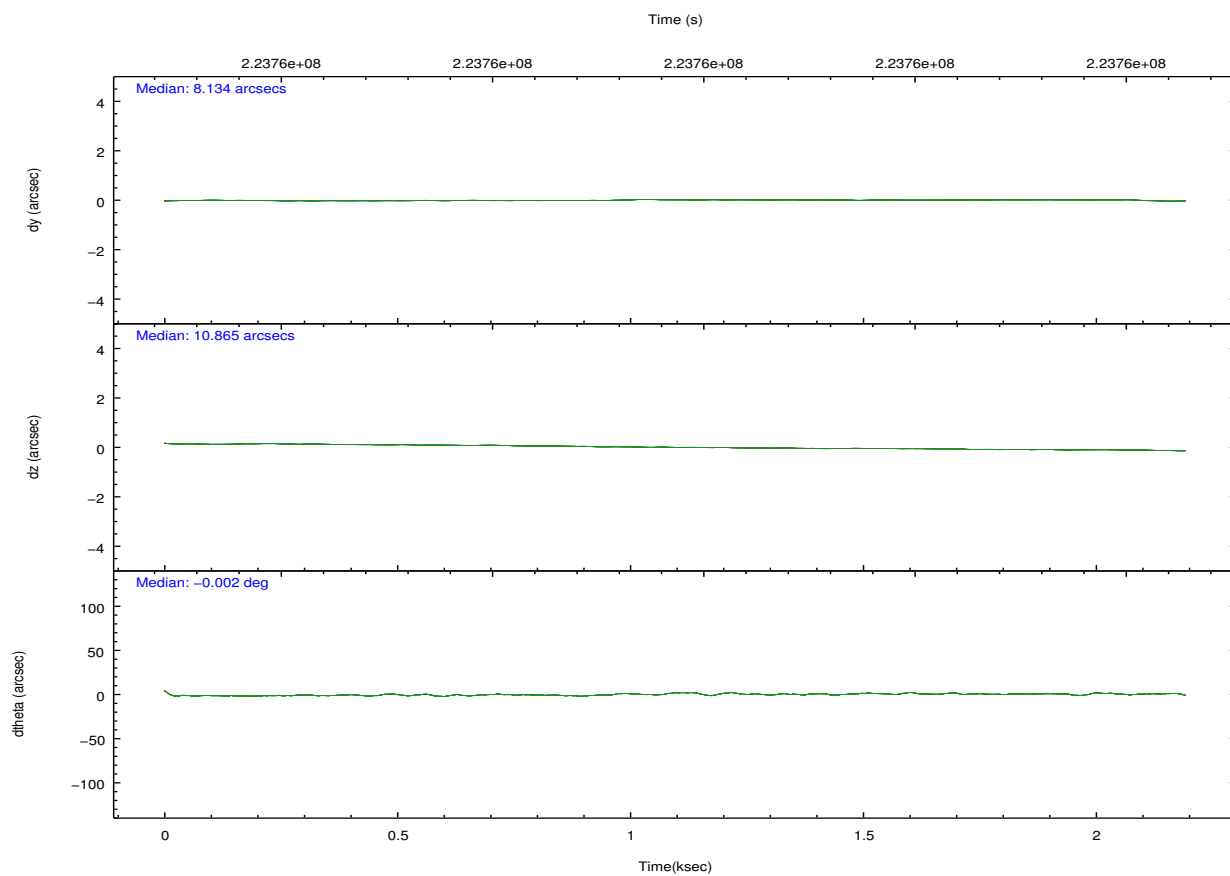
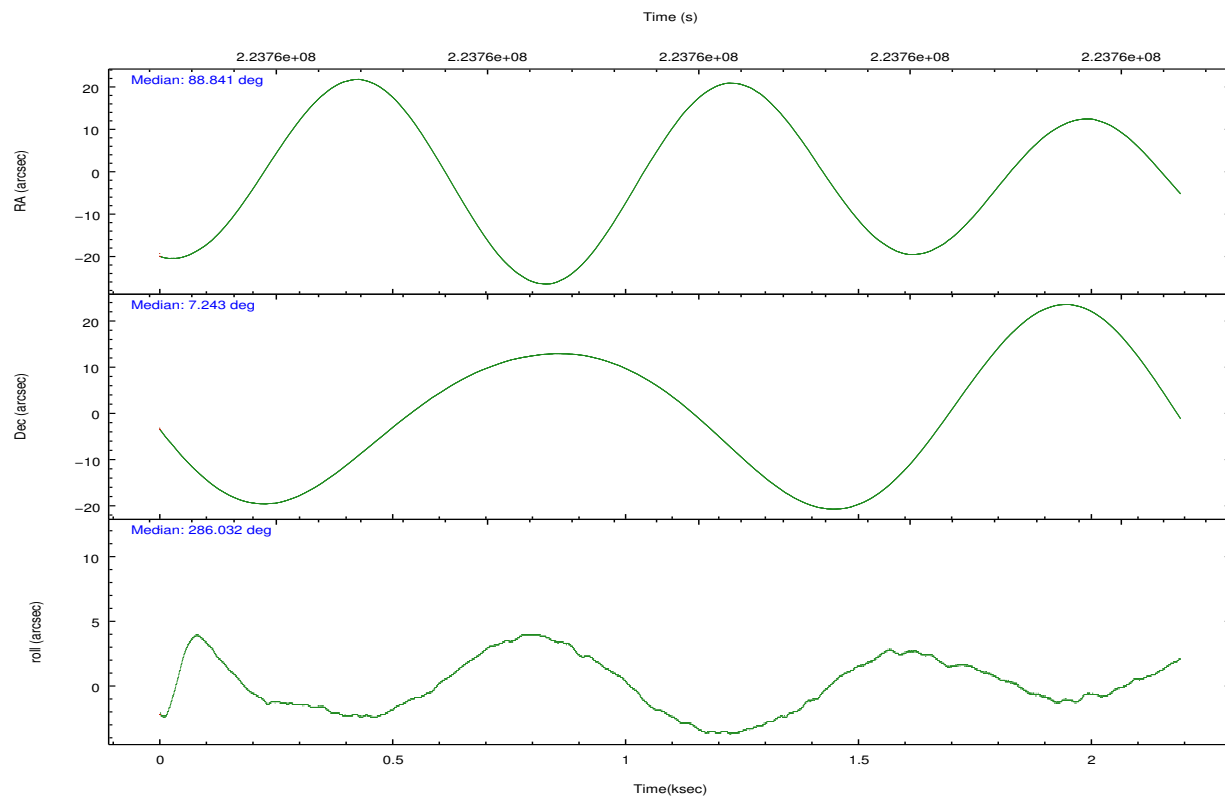
	segment 1	segment 2	segment 3
level 1 events	5234	122297	1426
rejected events	5209	11873	1426
rejected %	99%	9%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	88.818602	88.84054622404636			
[deg] Pointing Dec	7.261097	7.242348052955965			
[deg] Pointing Roll	285.969445	286.03401346224			
[s] Window start time (MET)	223603264.184000	223603264.184000			
[s] Window stop time (MET)	228614464.184000	228614464.184000			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	223762527.184000	223762150.90254			
Observation start date	2005-02-02T20:14:23	2005-02-02T20:09:10			
[s] Observation end time (MET)	223764527.184000	223764661.12765			
Observation end date	2005-02-02T20:47:43	2005-02-02T20:51:01			

## 2.3 Aspect





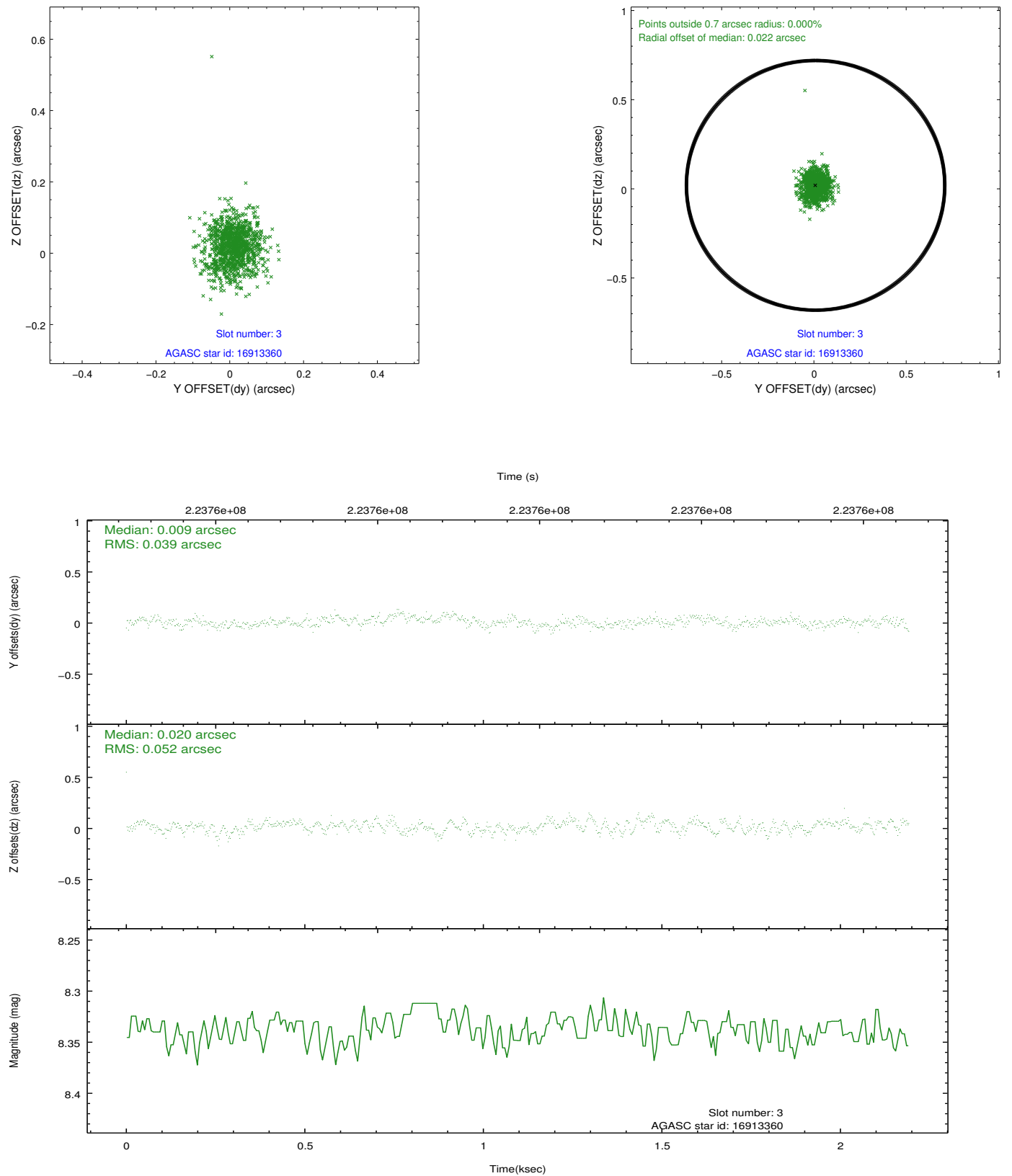
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.01	535	0.127	-0.181	0.010	0.016	0.000000	0.000000	1237.36	-452.27
1	FID	HRC-S-3	7.02	535	0.072	-0.102	0.005	0.010	0.000000	0.000000	-1162.76	569.17
2	FID	HRC-S-4	6.99	535	0.206	-0.013	0.010	0.017	0.000000	0.000000	1233.86	573.69
3	GUIDE	16913360	8.34	1070	0.009	0.020	0.066	0.110	89.178373	7.247125	401.58	1220.96
4	GUIDE	16917248	8.72	1064	0.107	0.144	0.068	0.108	89.306967	6.774731	2163.46	1197.90
5	GUIDE	16918912	8.65	1070	0.162	0.052	0.067	0.110	89.257075	6.922287	1605.46	1171.80
6	GUIDE	93854800	7.58	1070	-0.133	-0.112	0.063	0.101	88.376308	7.655454	-1797.93	-1126.14
7	GUIDE	93856056	7.98	1069	-0.149	-0.104	0.063	0.110	88.147460	7.547925	-1654.97	-2020.07

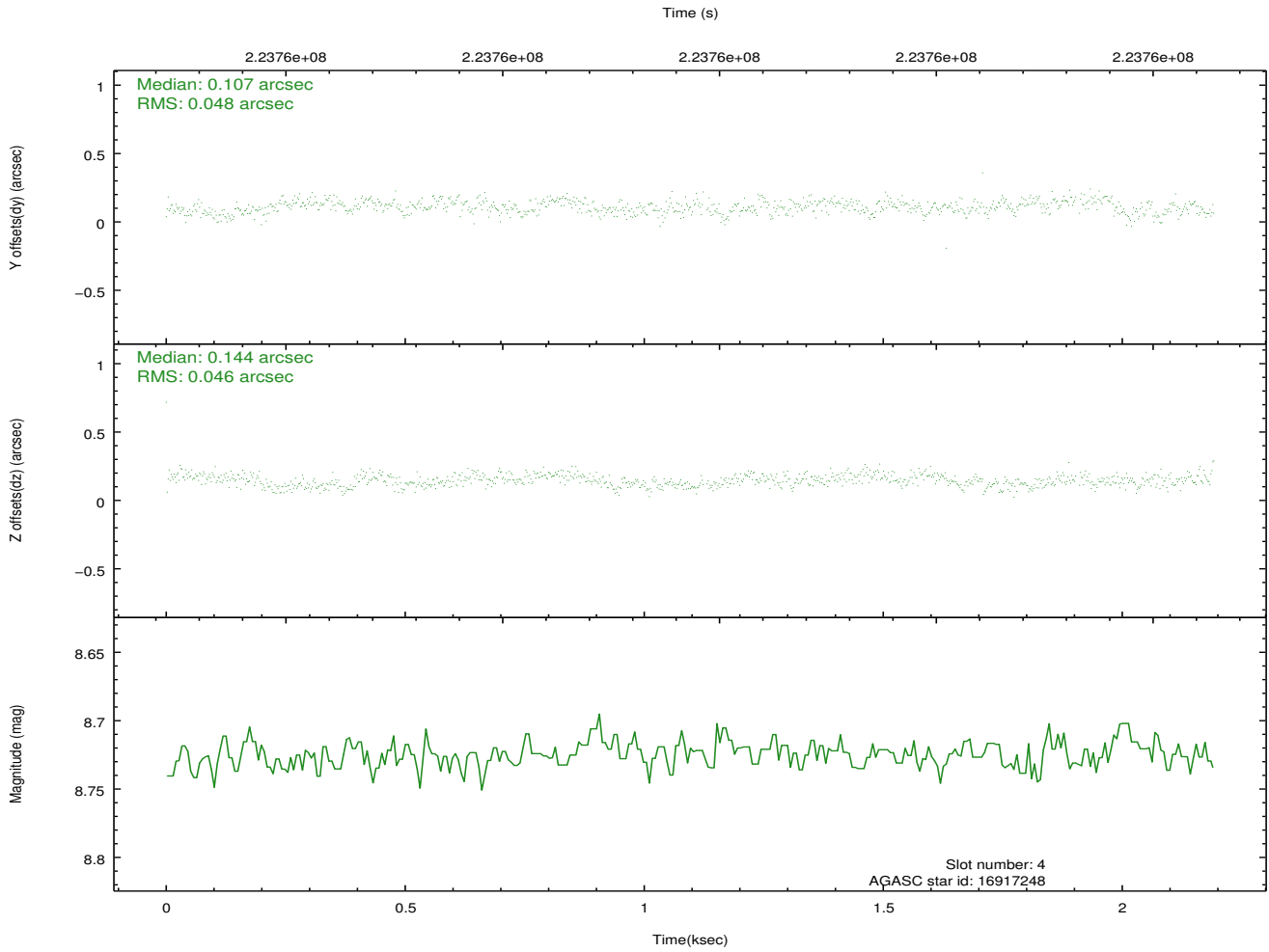
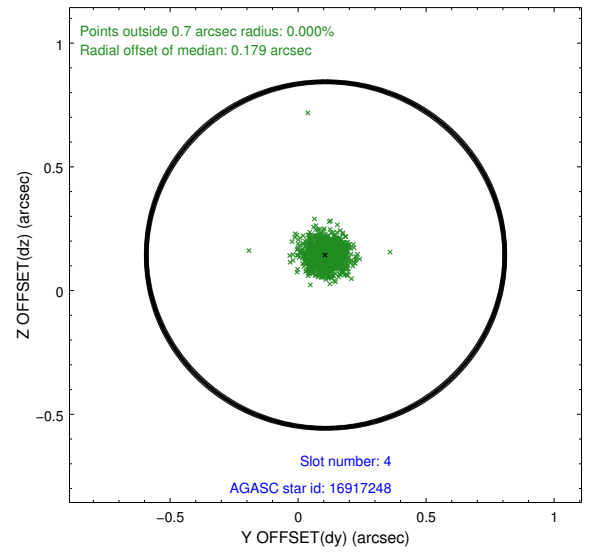
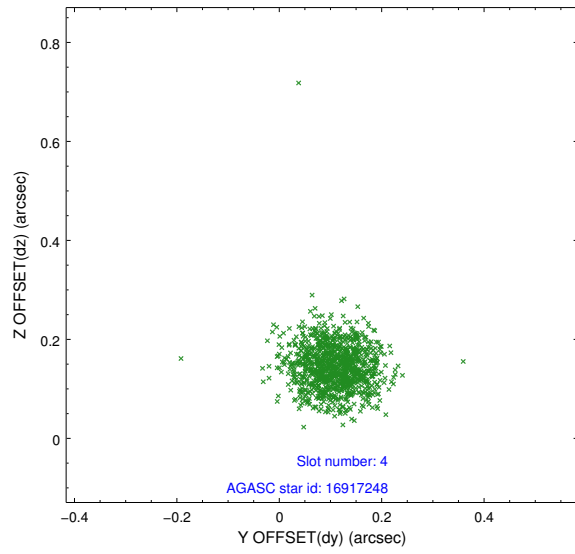


## 2.4 Star Slots

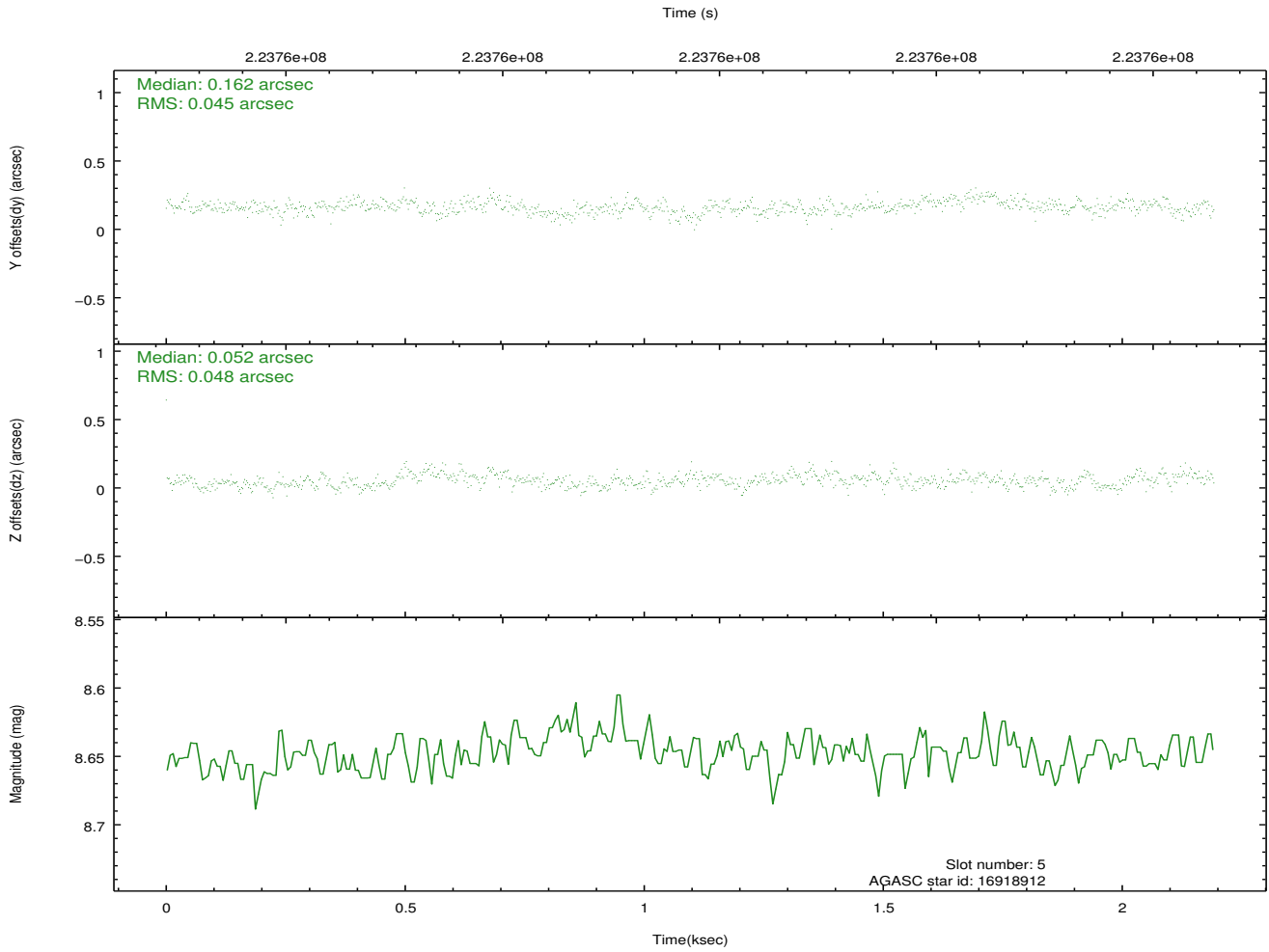
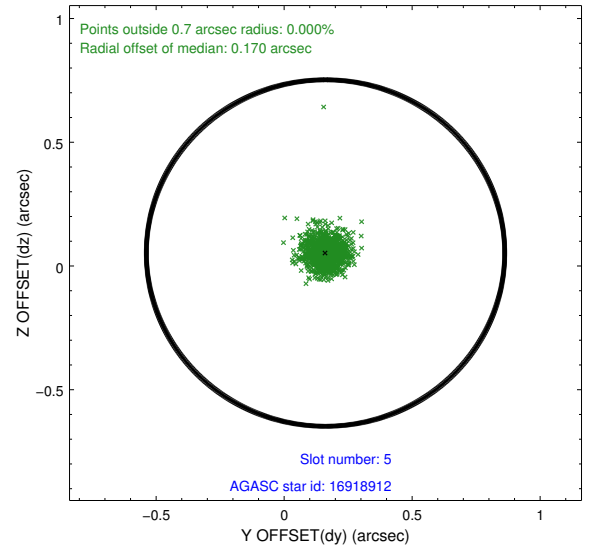
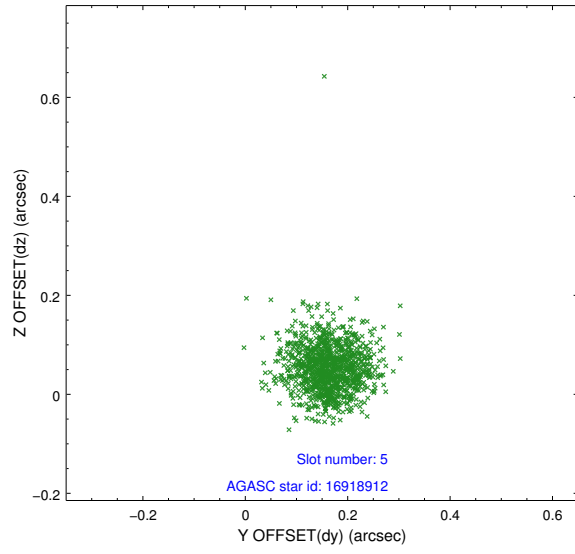
### 2.4.1 Slot 3



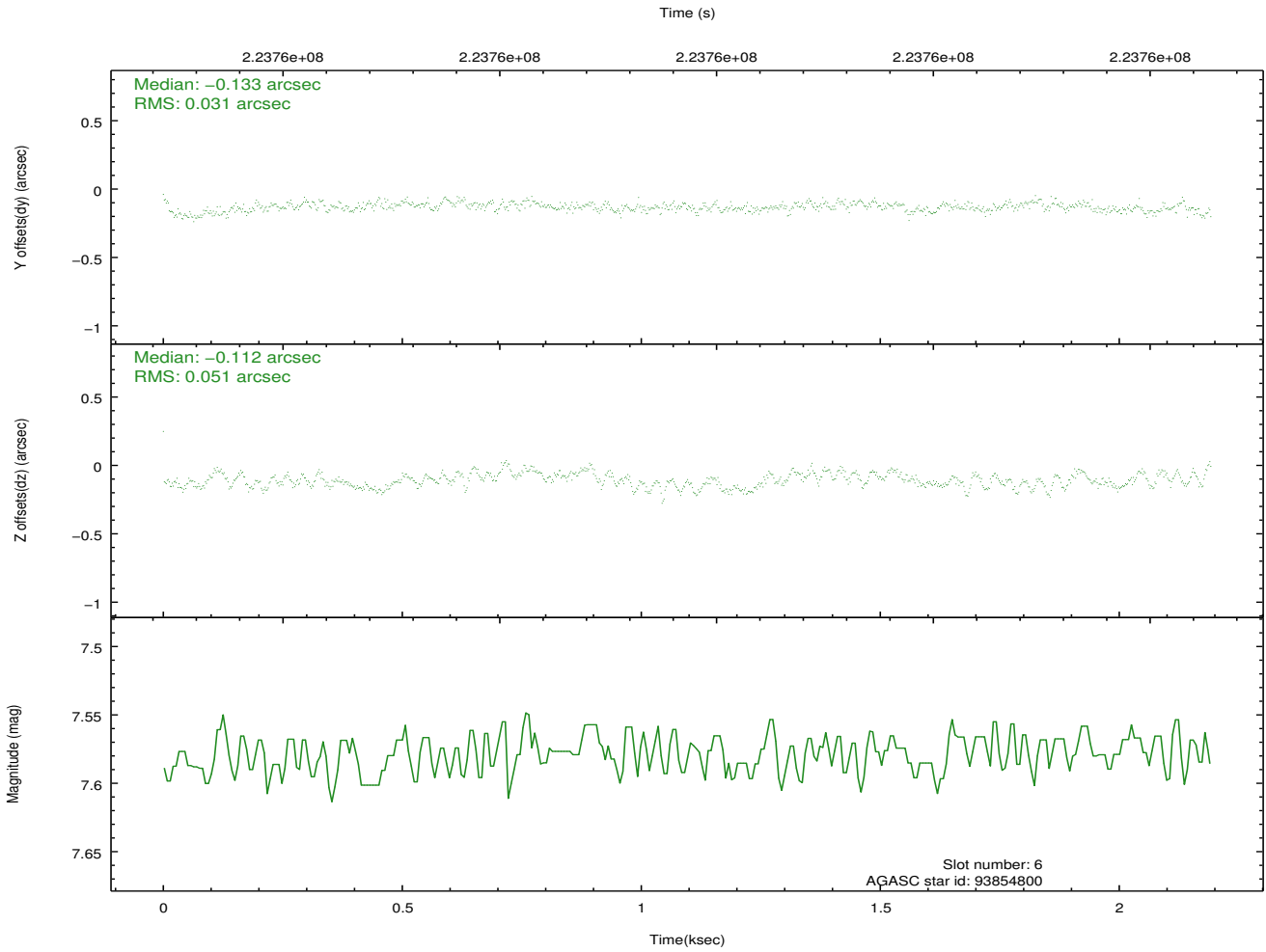
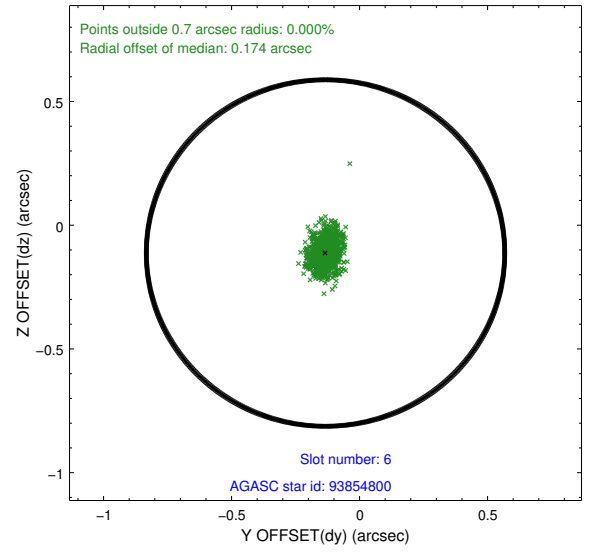
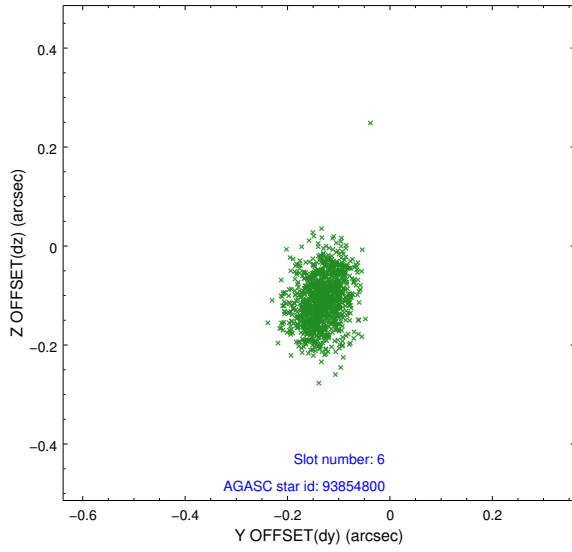
## 2.4.2 Slot 4



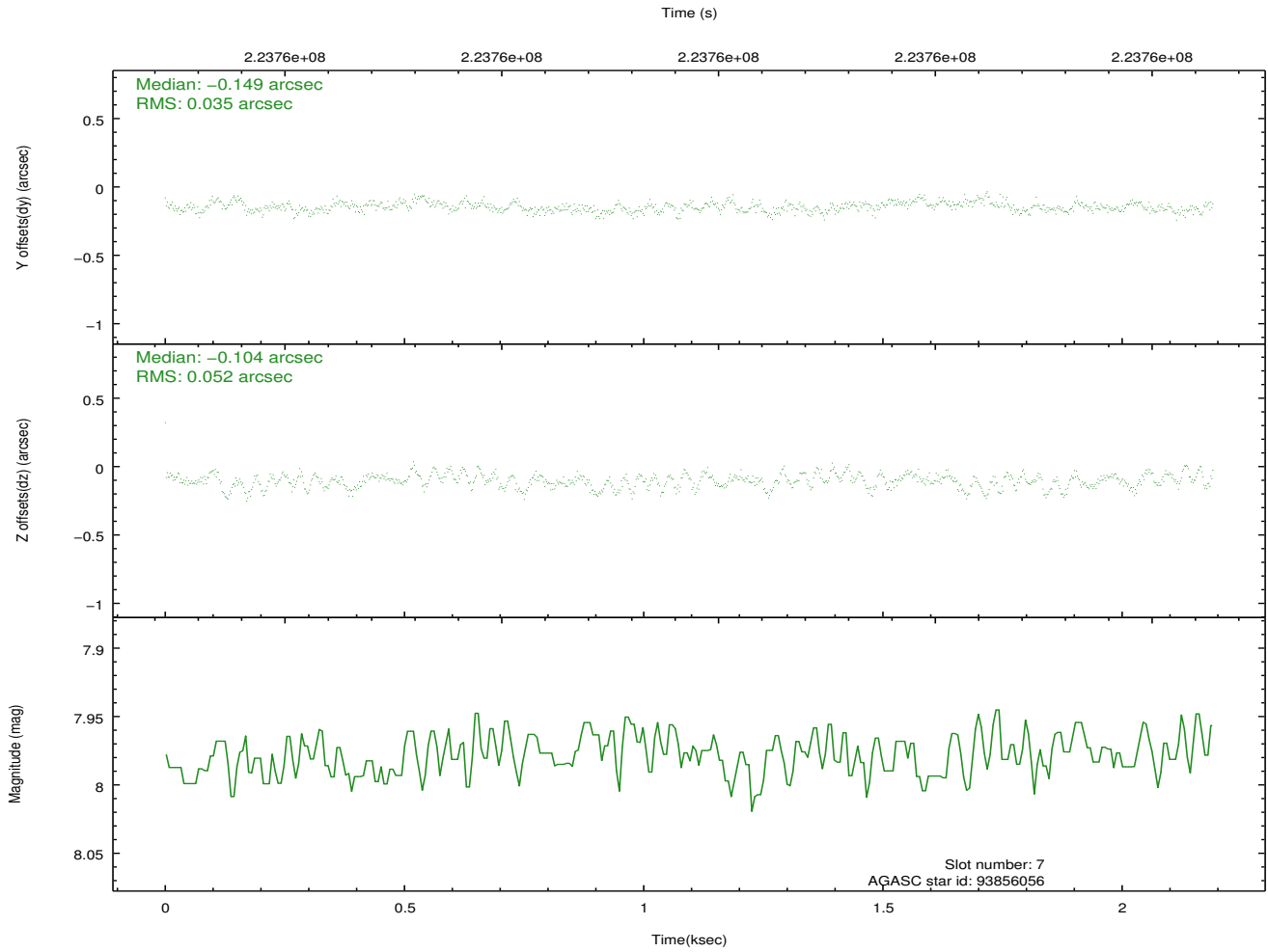
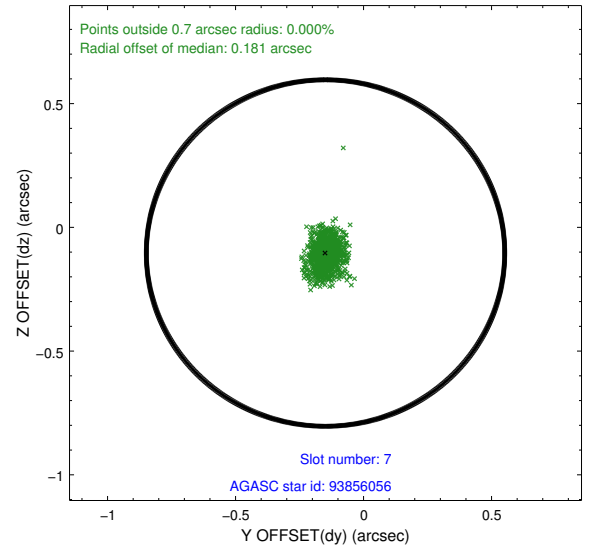
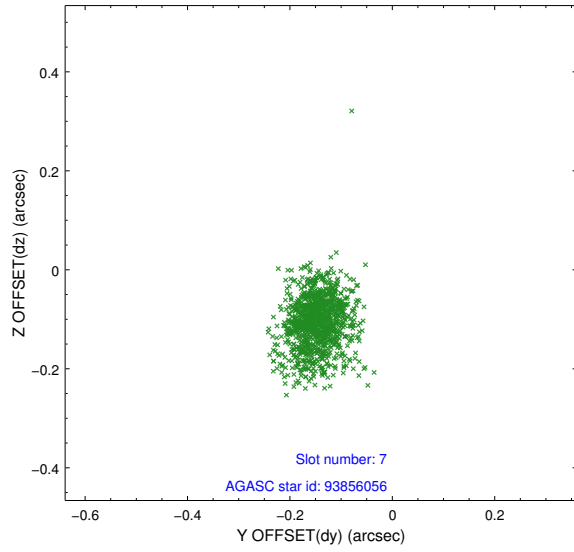
### 2.4.3 Slot 5



## 2.4.4 Slot 6

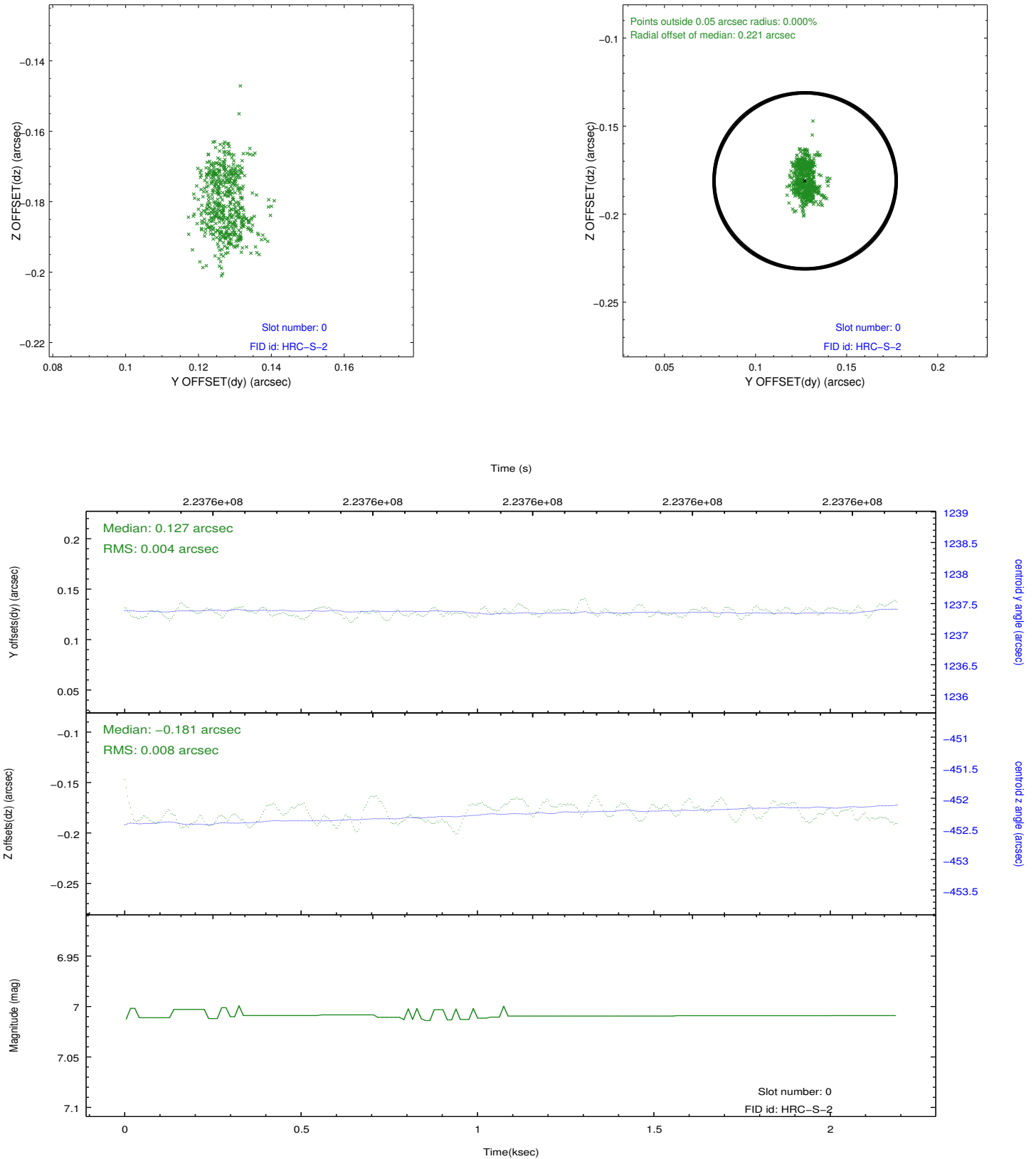


## 2.4.5 Slot 7

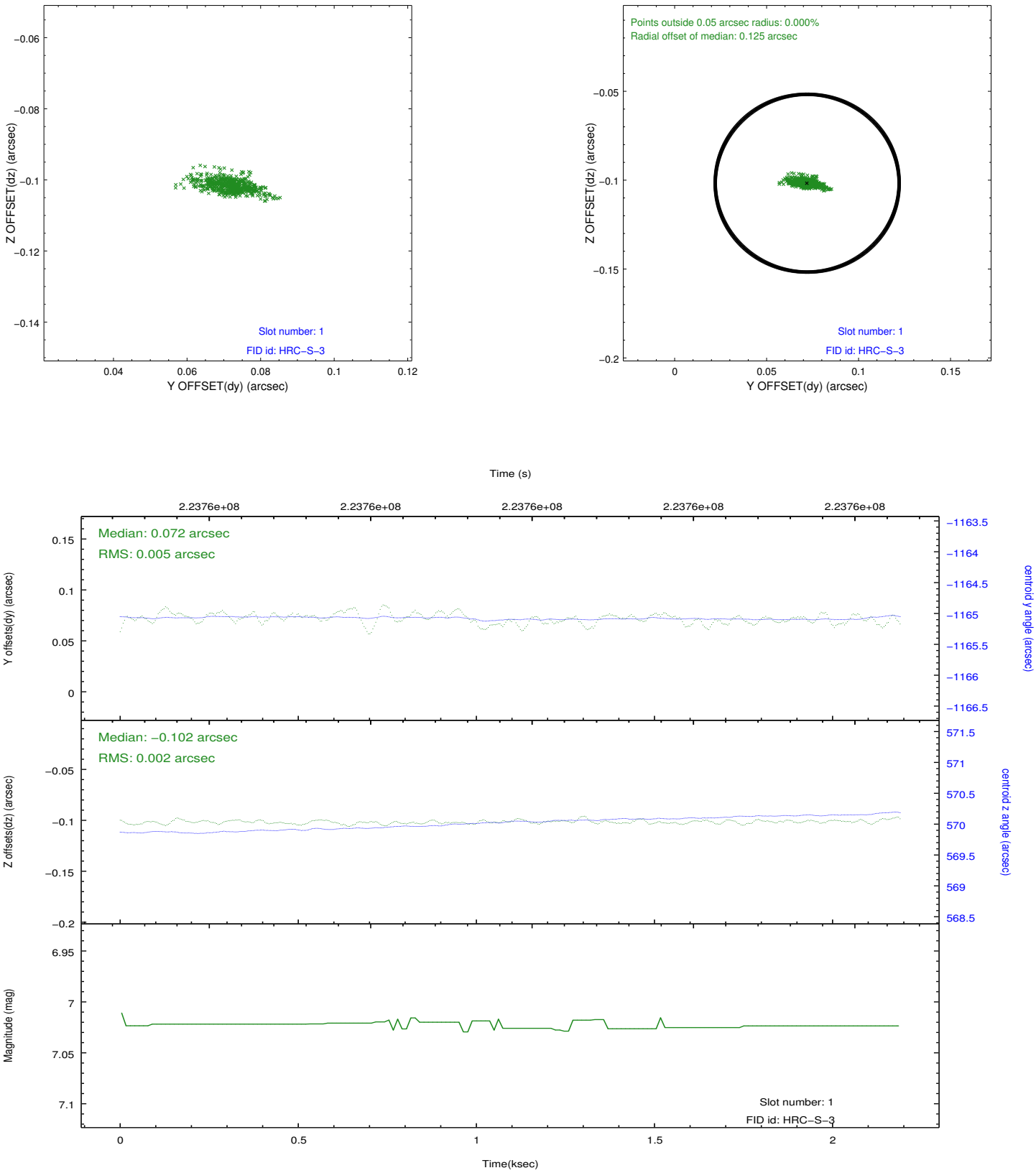


## 2.5 FID Slots

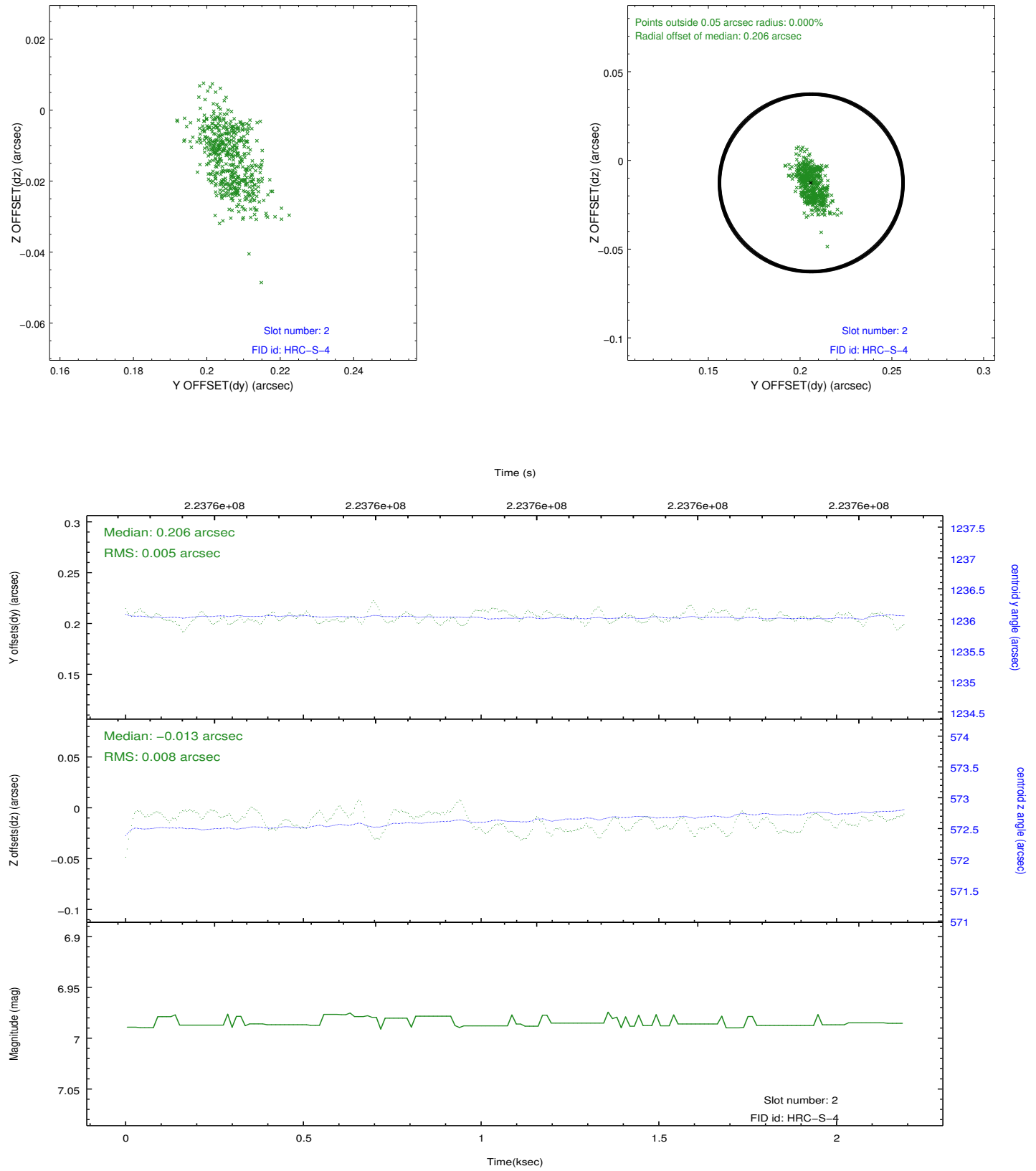
### 2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.161981

### A.2 Comments

Window constraint met.