

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8292 - L2 Version 3  
Chandra X-Ray Center

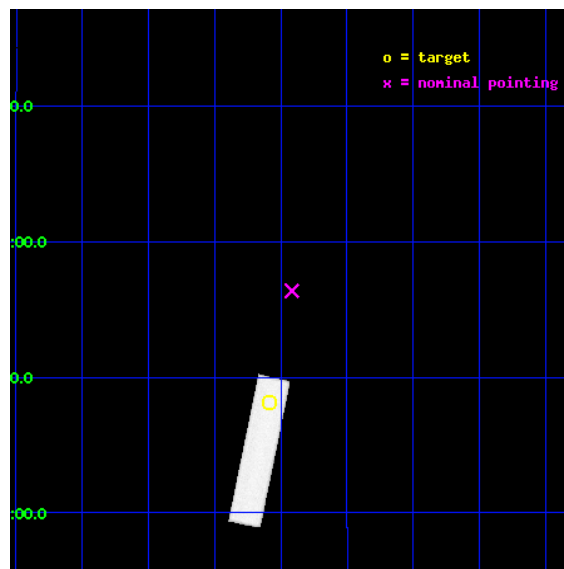
L2 Processing Date : Aug 11 2012

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# 1 Front

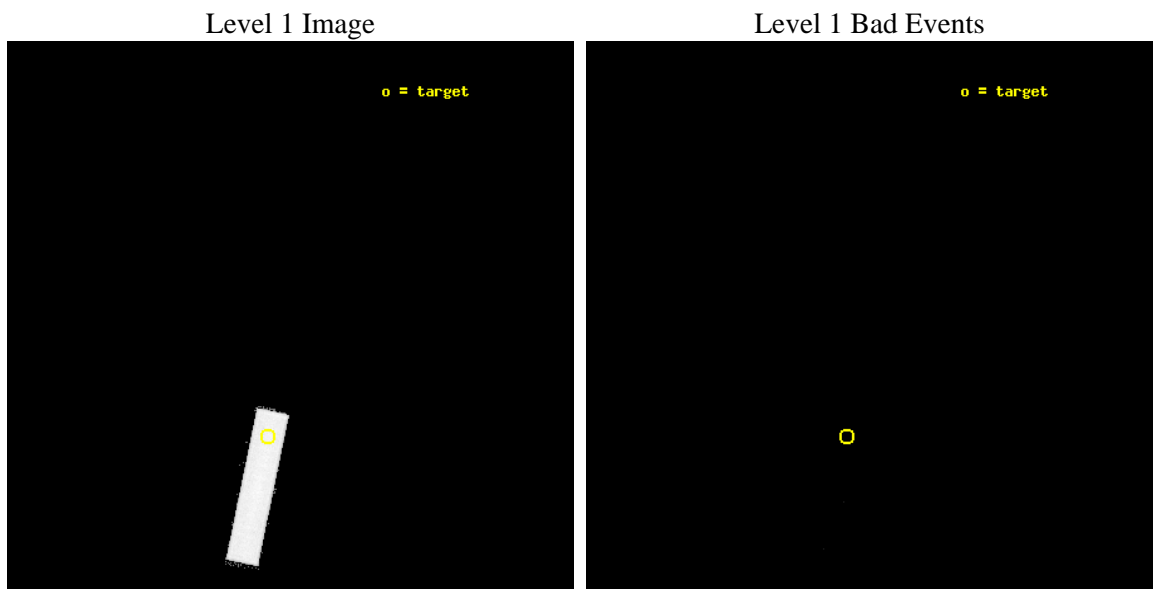
seq_num	290671	Sequence number
obs_id	8292	Observation id
title	AO8 Measurements of the optical/UV Transmission of the HRC Filters.	&#160
observer	Dr. CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.707672763225	Nominal RA [deg]
dec_nom	7.8199066623809	Nominal Dec [deg]
roll_nom	101.64506443897	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2614.0063755512	[s]
livetime	2523.9433202392	Ontime multiplied by DTCOR
l2events	161670	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	2029.776000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2614.0063755512	[s]
caldbver	4.5.1.1	&#160	l1events	299868	Number of level 1 events
date	2012-08-12T01:09:47	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

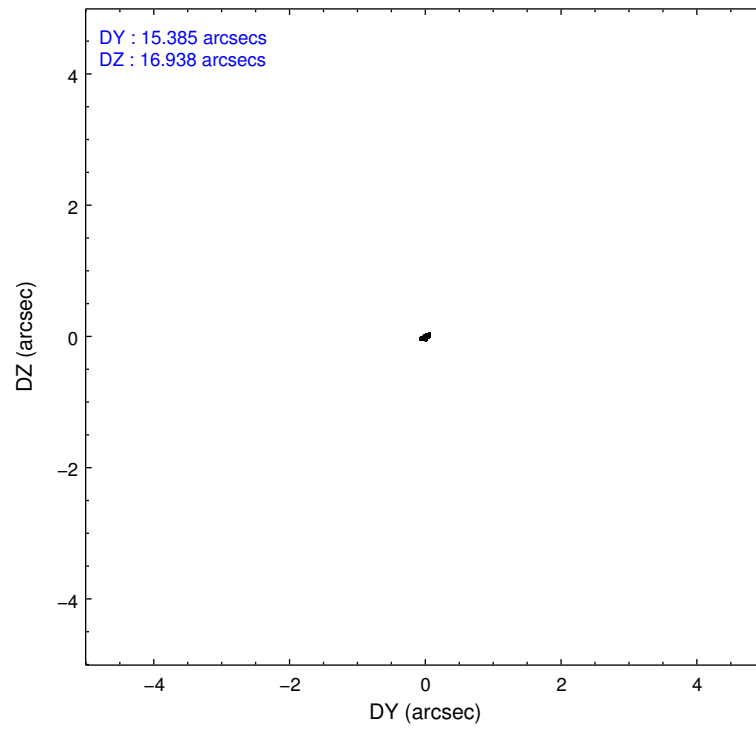
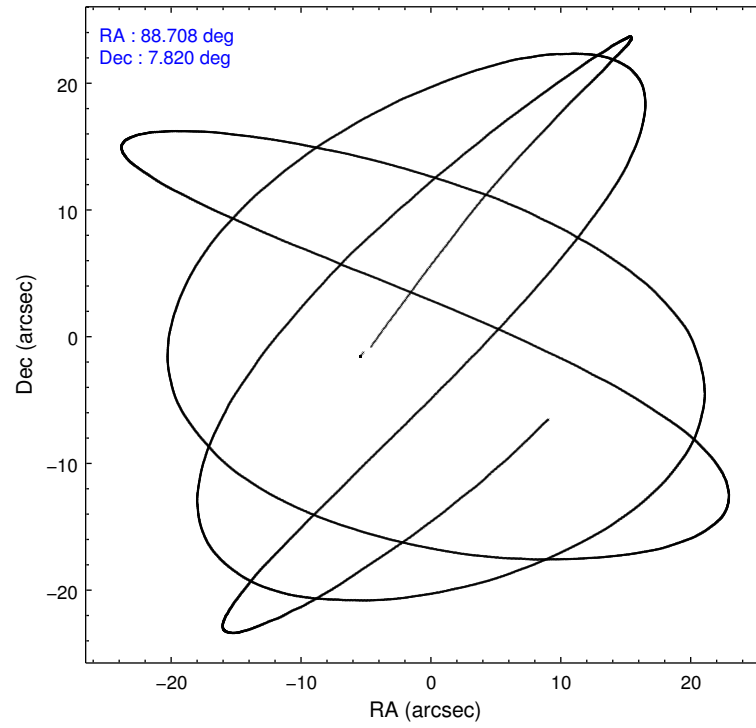
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	299771	97	0
rejected events	100910	33	0
rejected %	33%	34%	0%

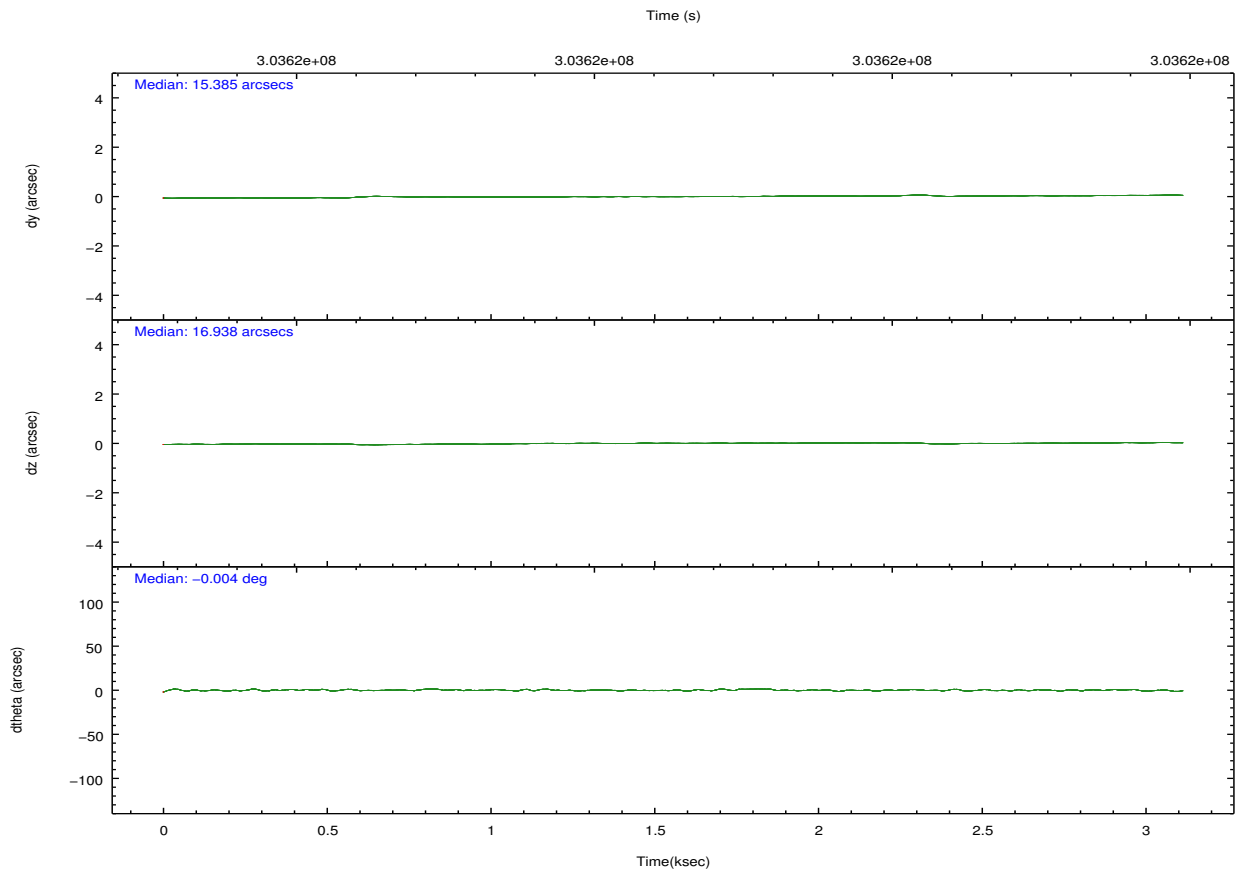
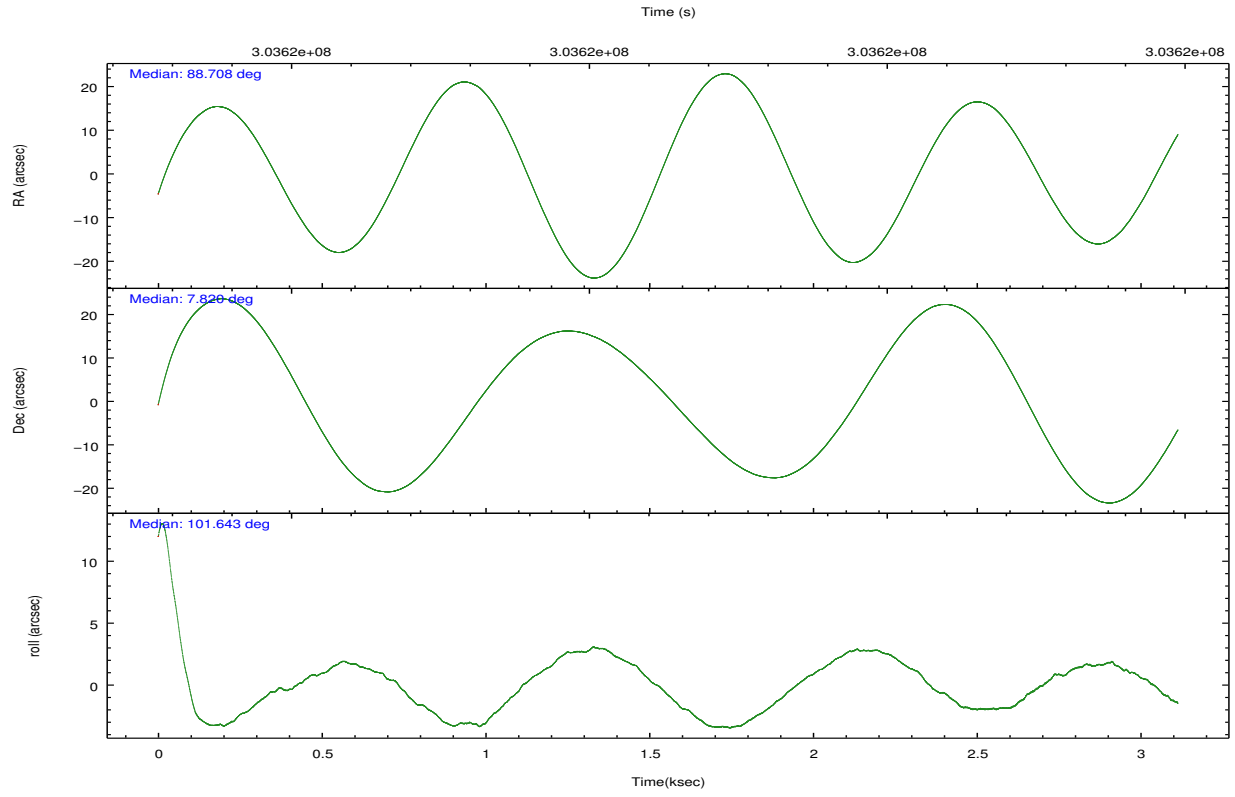
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	88.727994	88.70767276322492
[deg] Pointing Dec	7.799462	7.81990666238091
[deg] Pointing Roll	101.574920	101.6450644389685
[s] Window start time (MET)	297043265.184000	297043265.184000
[s] Window stop time (MET)	304905665.184000	304905665.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	303615895.184000	303614239.45309
Observation start date	2007-08-16T01:43:50	2007-08-16T01:17:19
[s] Observation end time (MET)	303617924.184000	303619793.92836
Observation end date	2007-08-16T02:17:39	2007-08-16T02:49:53

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

## 2.3 Aspect





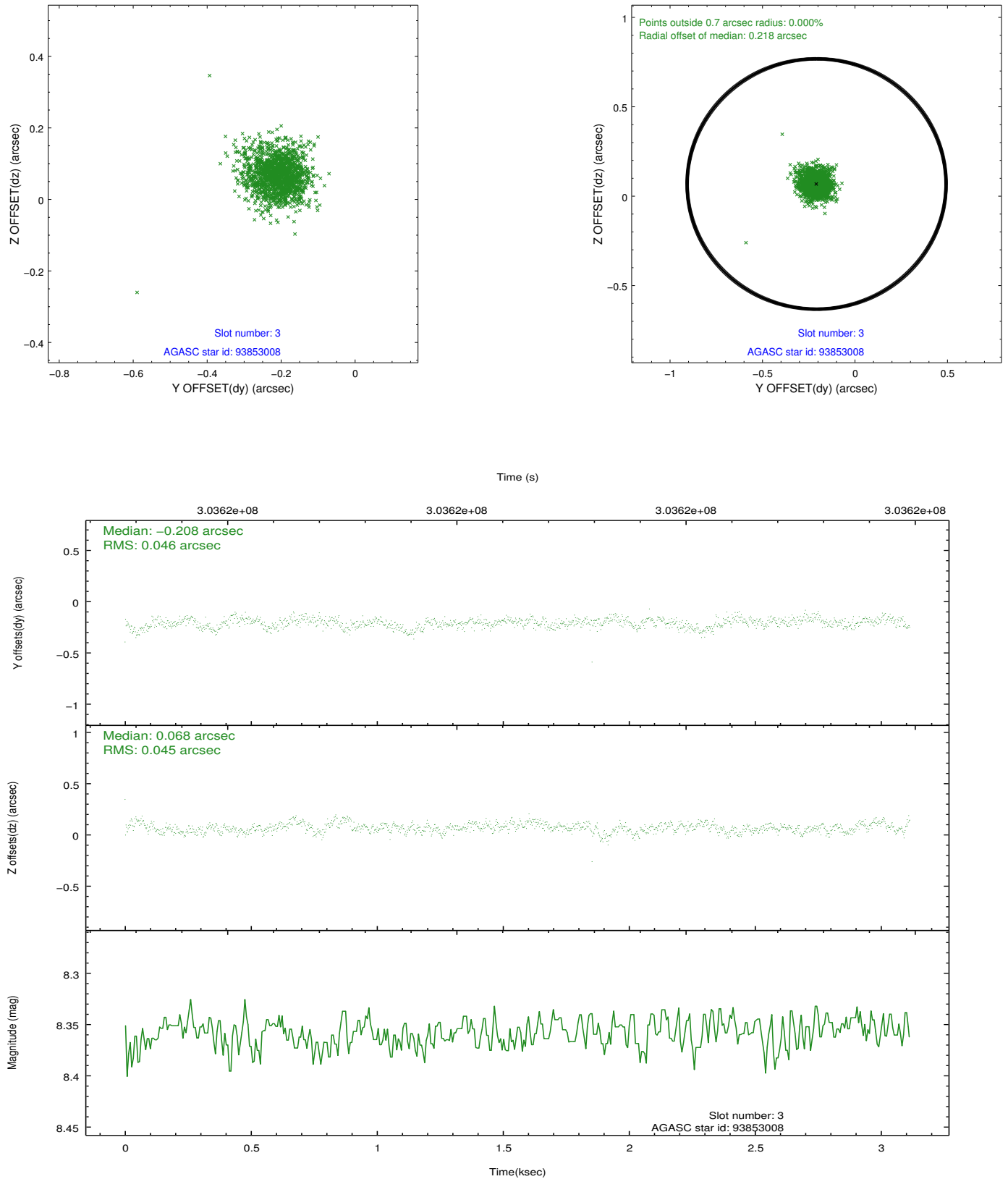
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	760	0.055	-0.134	0.007	0.012	0.000000	0.000000	-1169.80	-465.83
1	FID	HRC-S-2	6.98	760	0.205	-0.101	0.005	0.011	0.000000	0.000000	1228.47	-459.02
2	FID	HRC-S-3	6.99	760	0.129	-0.067	0.007	0.012	0.000000	0.000000	-1170.84	563.16
3	GUIDE	93853008	8.36	1520	-0.208	0.068	0.065	0.112	88.602686	8.291919	1826.32	81.82
4	GUIDE	93854800	7.58	1520	-0.069	-0.022	0.063	0.097	88.376308	7.655454	-254.77	1333.32
5	GUIDE	93856056	8.01	1520	-0.088	-0.322	0.070	0.116	88.147460	7.547925	-470.27	2211.75
6	GUIDE	16912512	7.70	1520	0.207	-0.023	0.053	0.087	88.651510	7.129862	-2306.72	752.83
7	GUIDE	16913360	8.33	1518	0.163	0.300	0.065	0.105	89.178373	7.247125	-2271.14	-1176.13

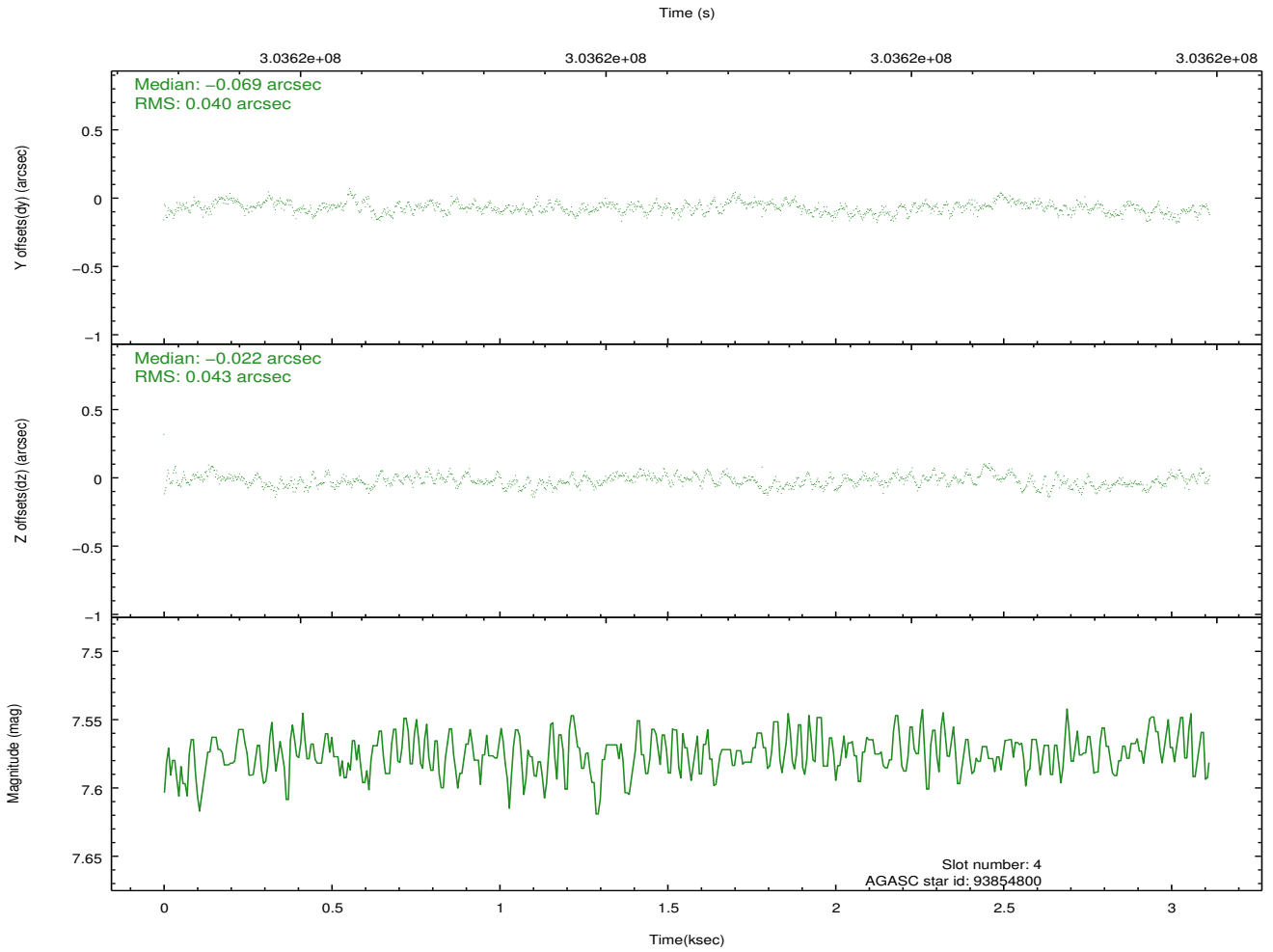
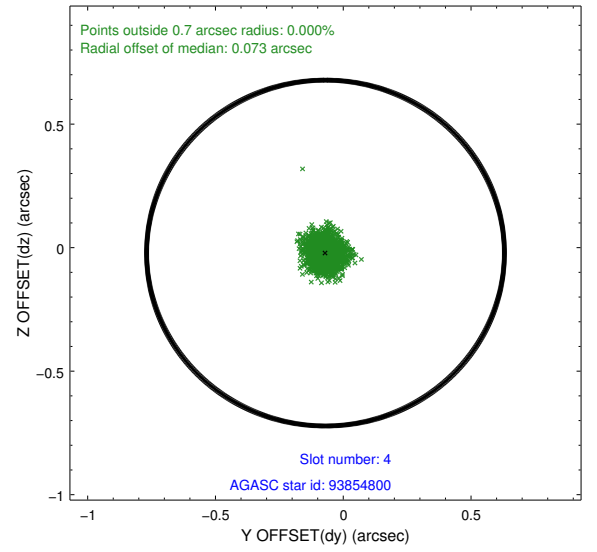
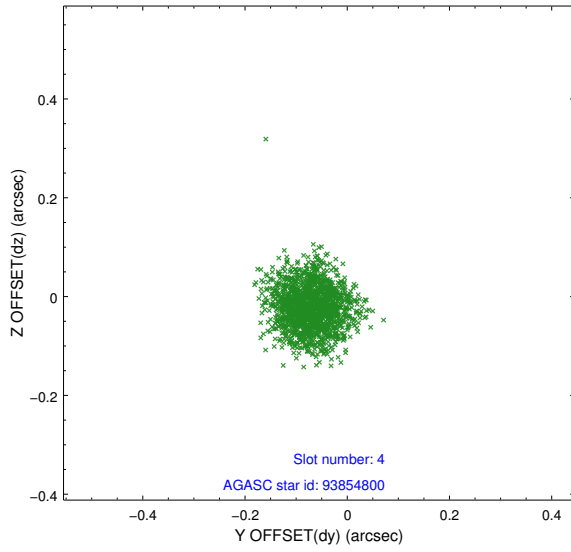


## 2.4 Star Slots

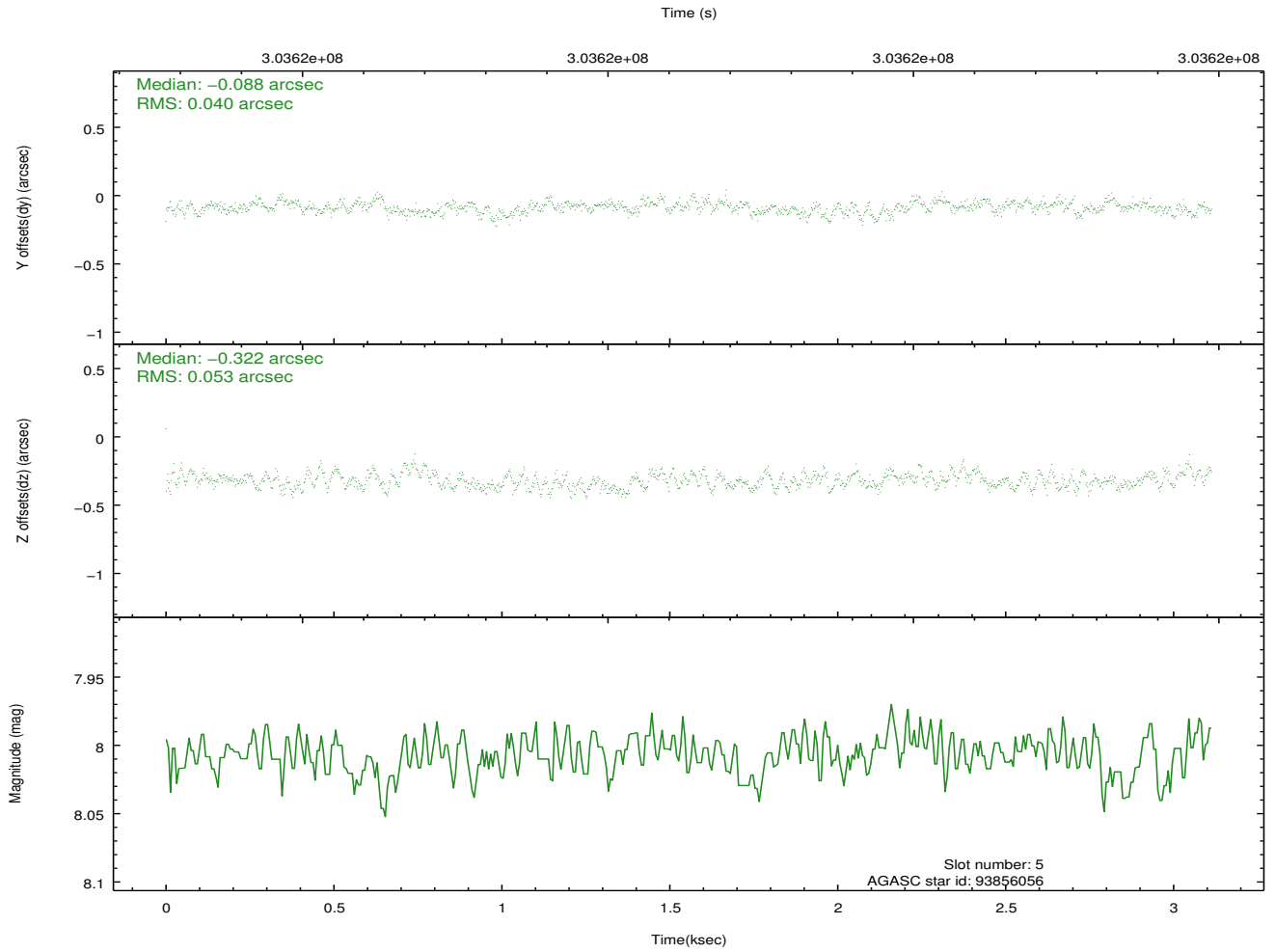
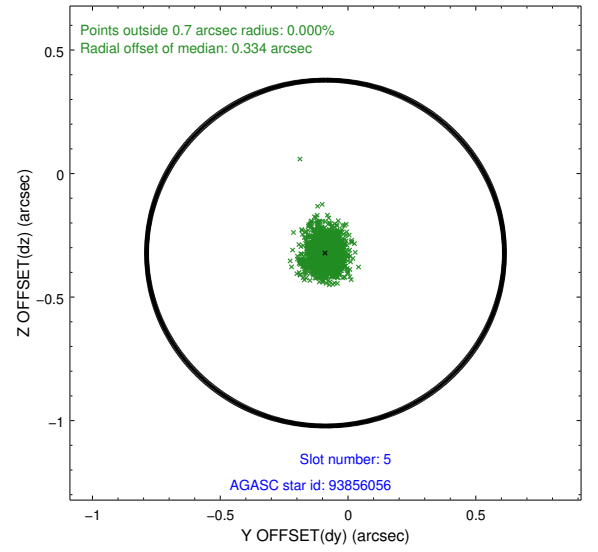
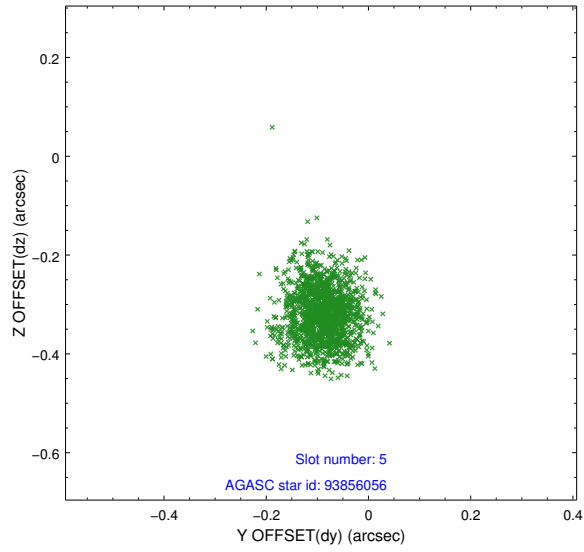
### 2.4.1 Slot 3



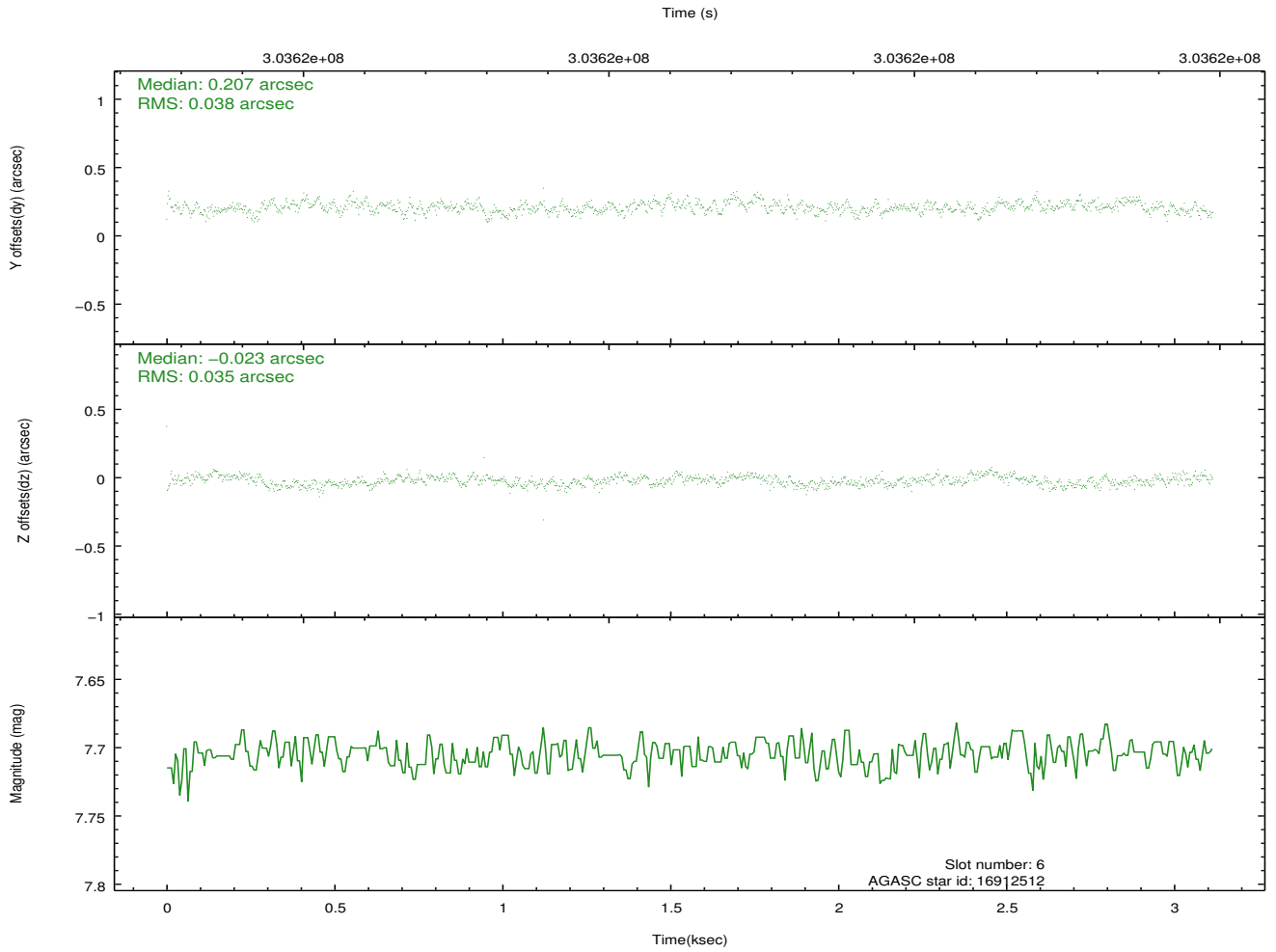
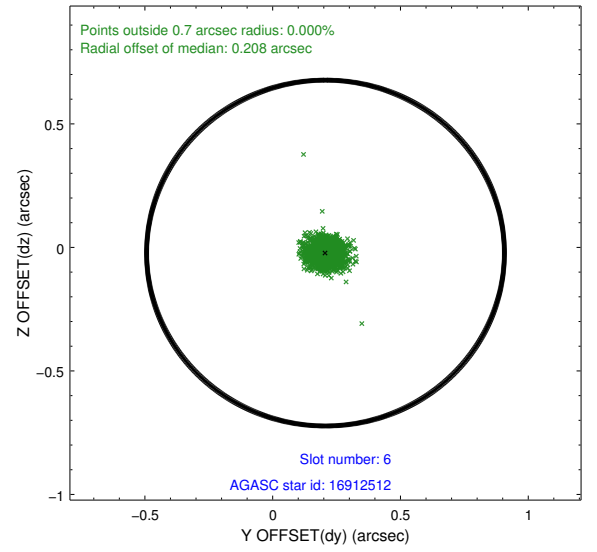
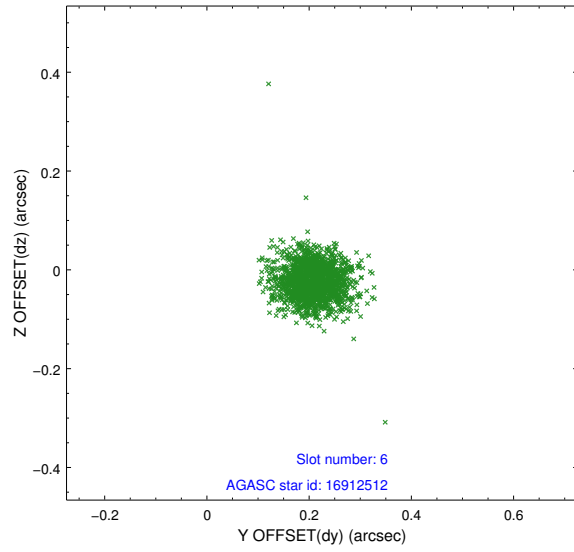
## 2.4.2 Slot 4



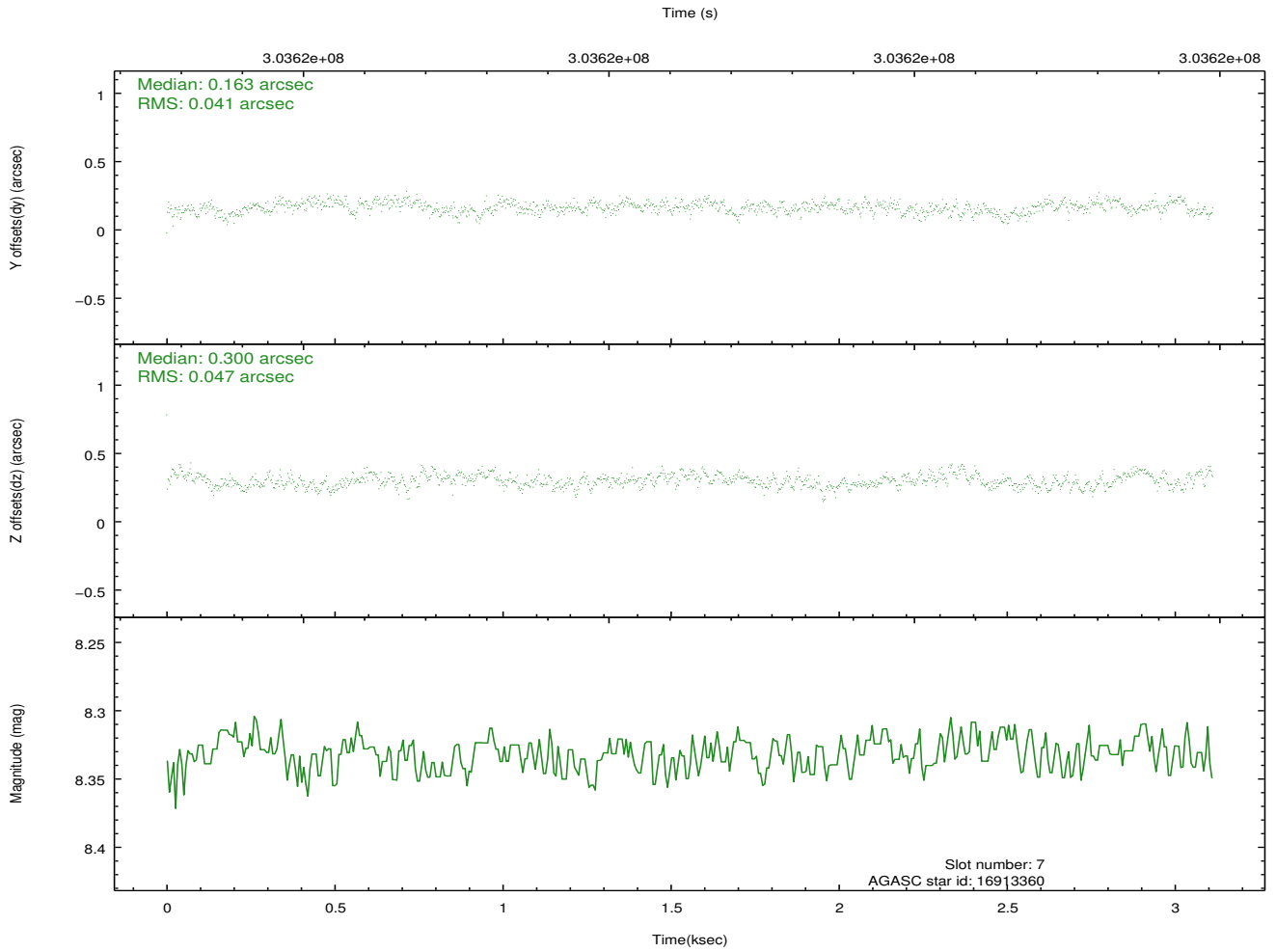
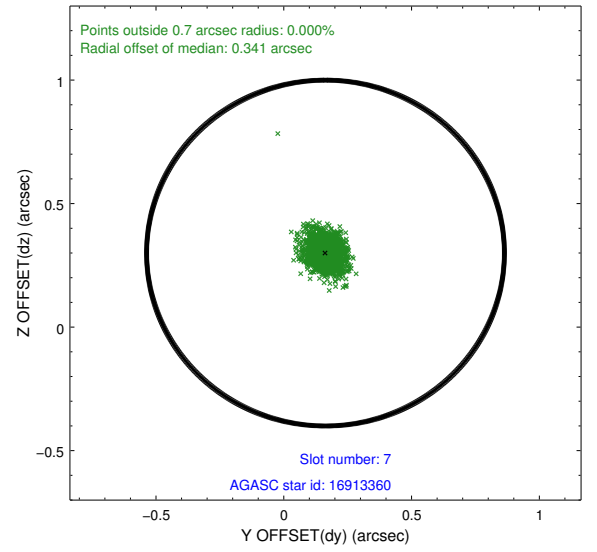
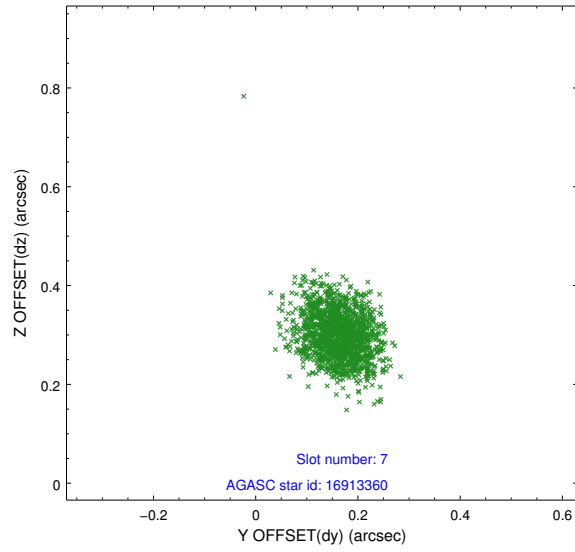
### 2.4.3 Slot 5



## 2.4.4 Slot 6

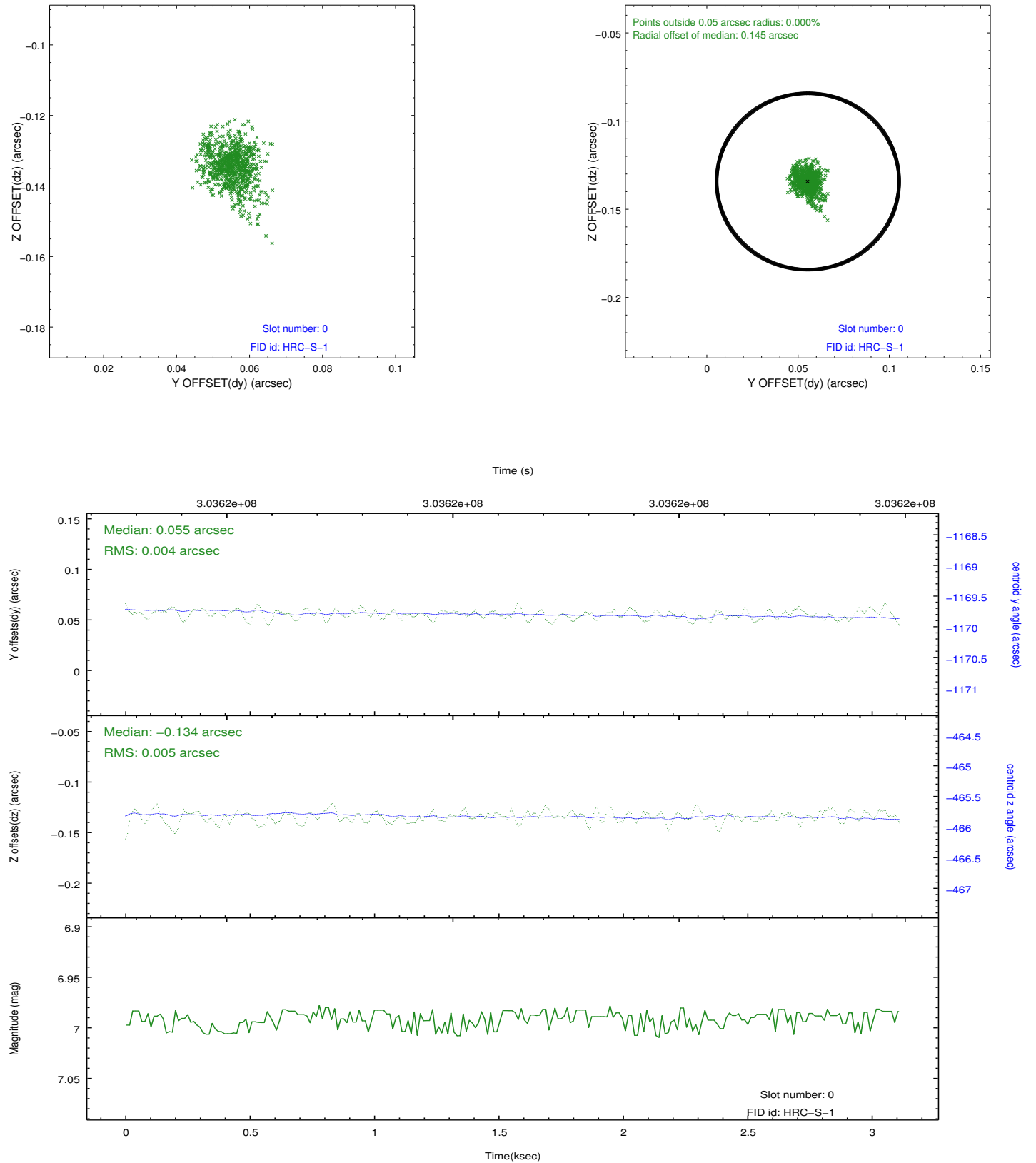


## 2.4.5 Slot 7

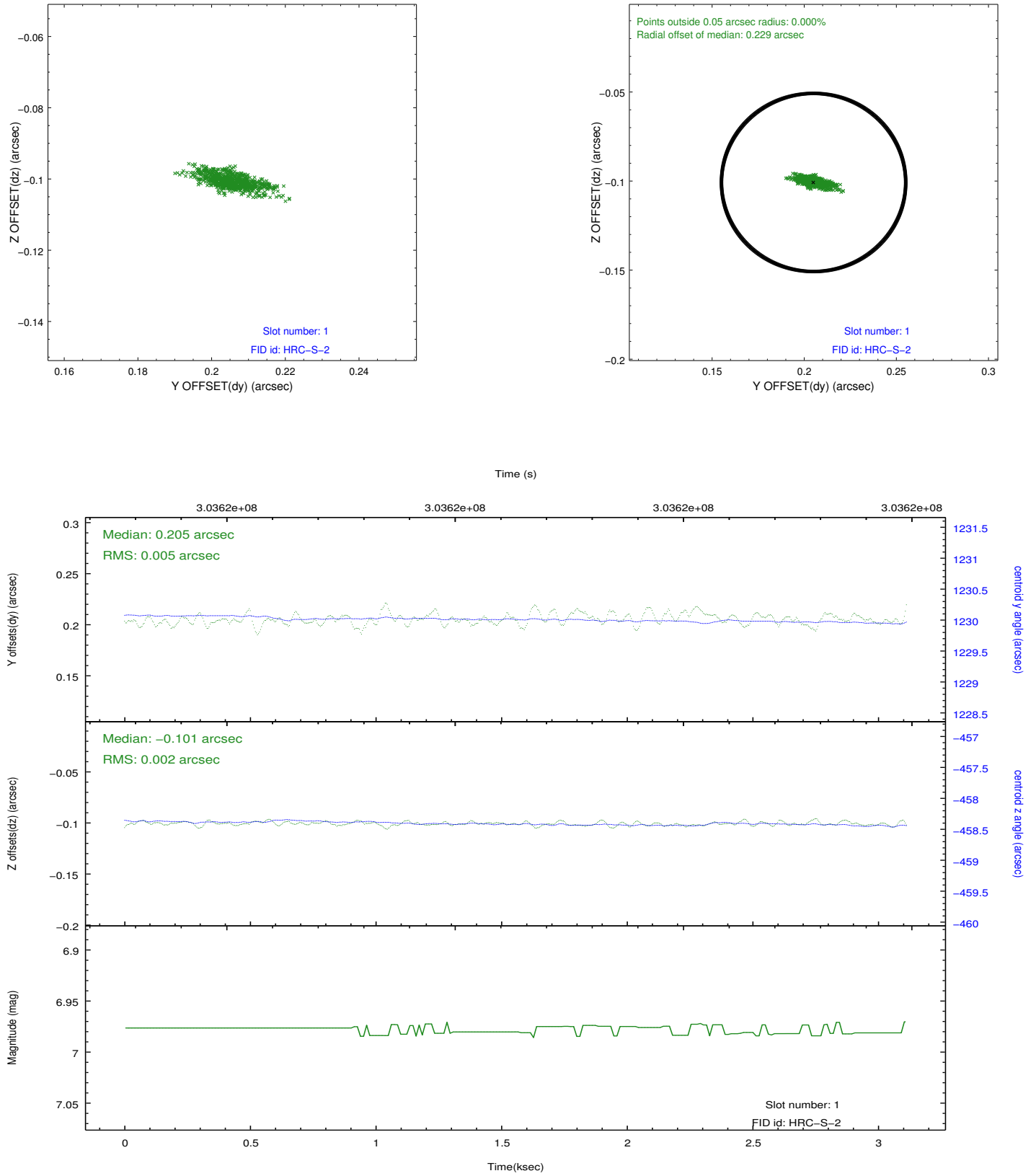


## 2.5 FID Slots

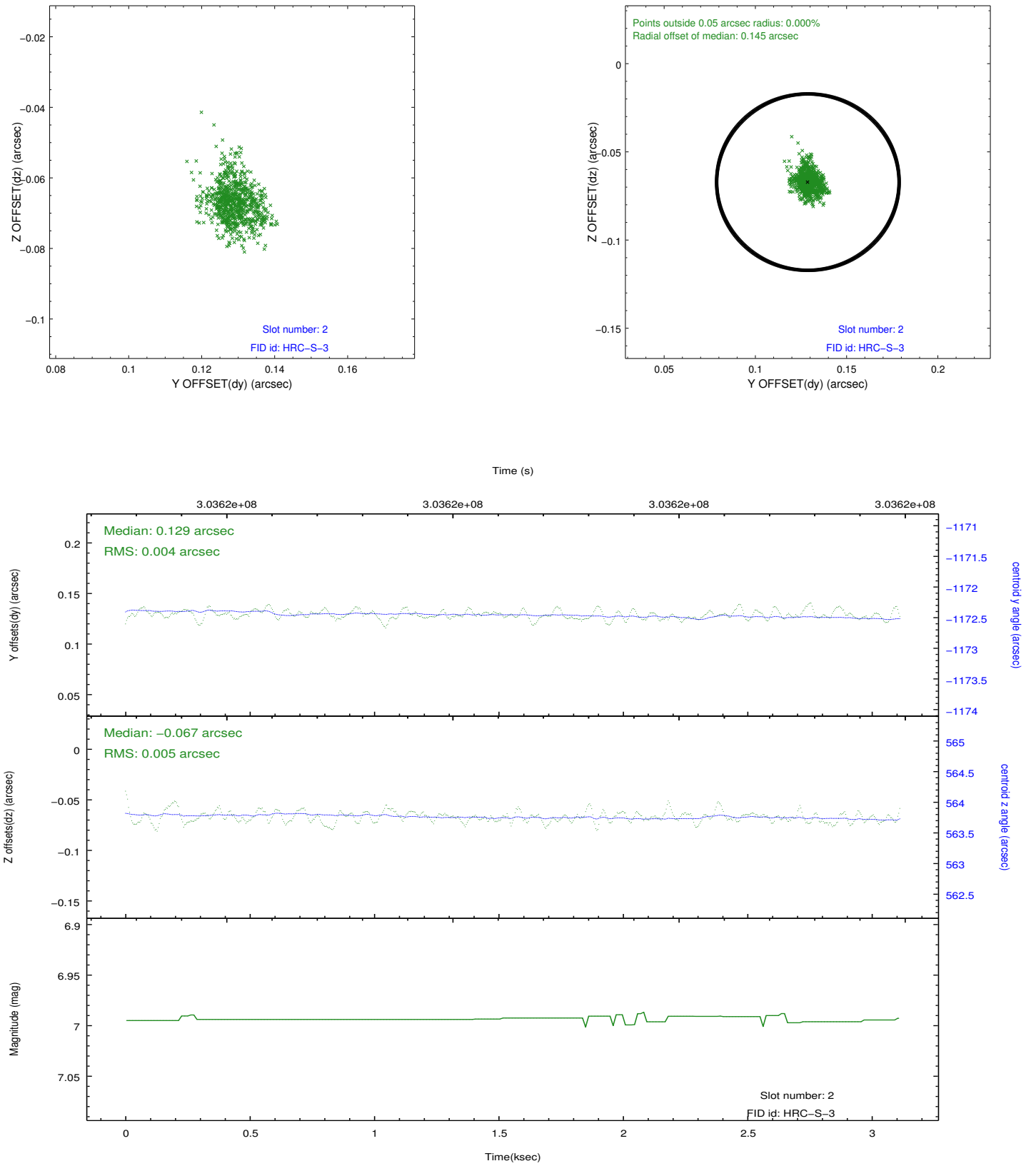
### 2.5.1 Slot 0



## 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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.61400637

### A.2 Comments

Window preference met.