

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3736 - L2 Version 4  
Chandra X-Ray Center

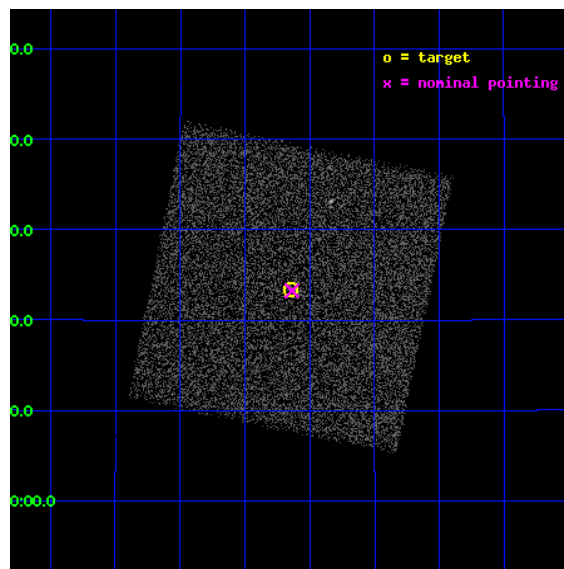
L2 Processing Date : Nov 1 2012

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# 1 Front

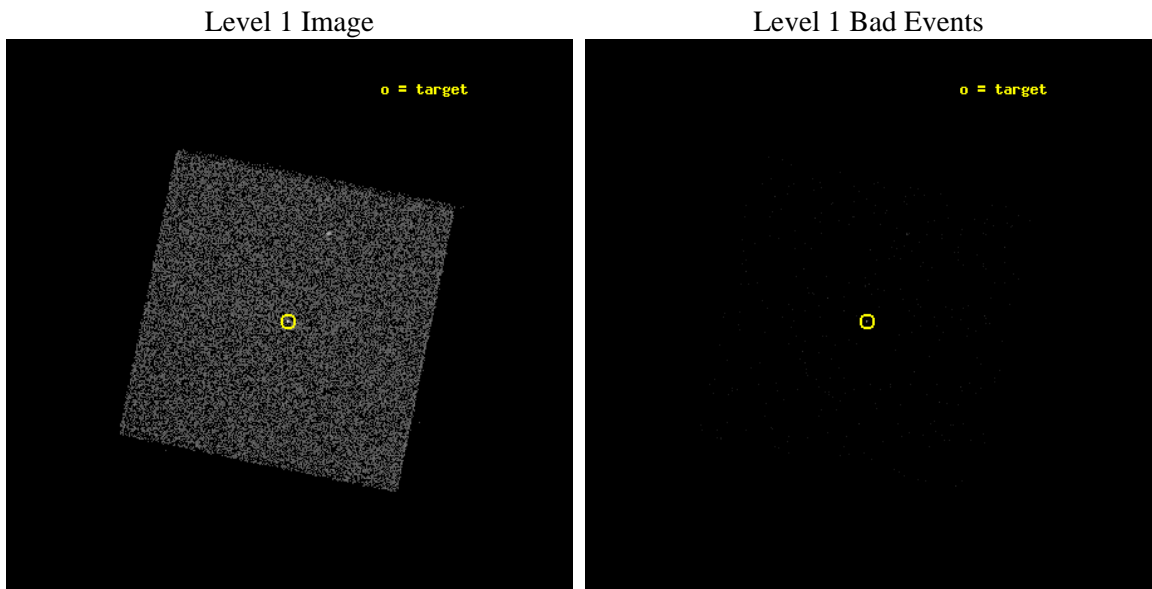
seq_num	200206	Sequence number
obs_id	3736	Observation id
title	X-RAY ACTIVITY IN M-TYPE GIANTS	Proposal title
observer	Dr Matthias Huensch	Principal investigator
object	HR 6406	Source name
ra_targ	258.6625	Observer's specified target RA [deg]
dec_targ	14.390278	Observer's specified target Dec [deg]
ra_nom	258.65944584429	Nominal RA [deg]
dec_nom	14.38748390167	Nominal Dec [deg]
roll_nom	236.60936379956	Nominal Roll [deg]
revision	4	Processing version of data
ontime	990.15004223585	[s]
livetime	984.96580001525	Ontime multiplied by DTCOR
l2events	27462	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	1006.670000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	990.15004223585	[s]
caldbver	4.5.2	&#160	l1events	46596	Number of level 1 events
date	2012-11-01T10:29:27	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

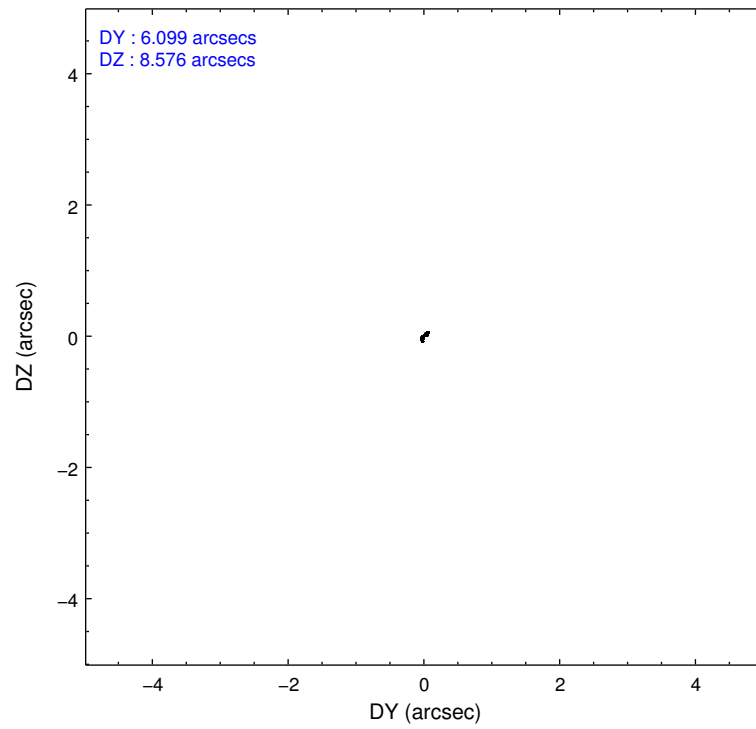
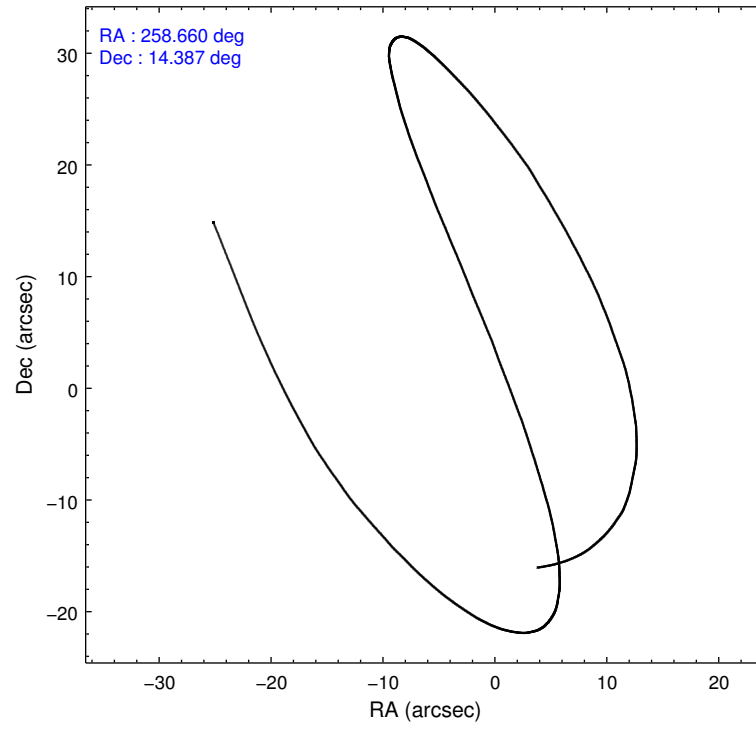
#### Level 1 Events

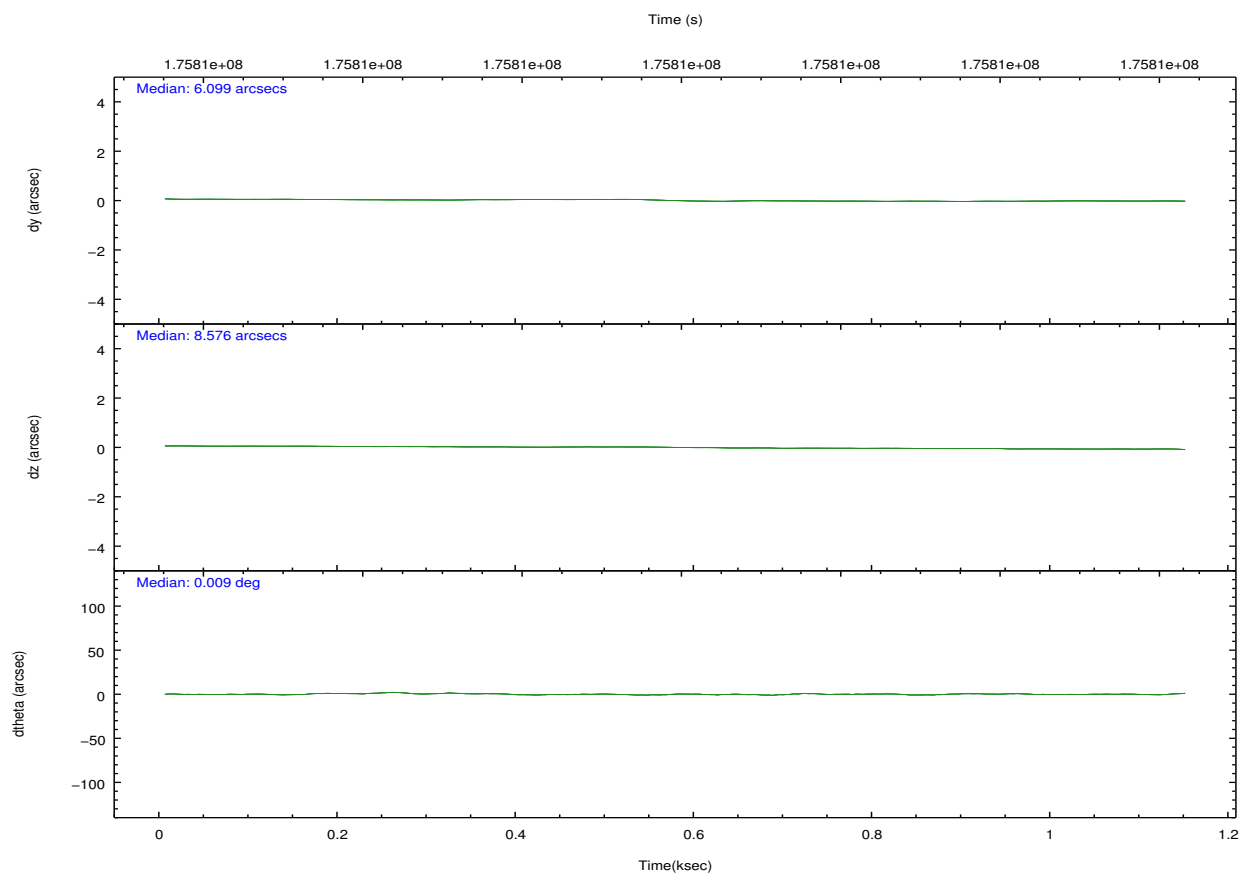
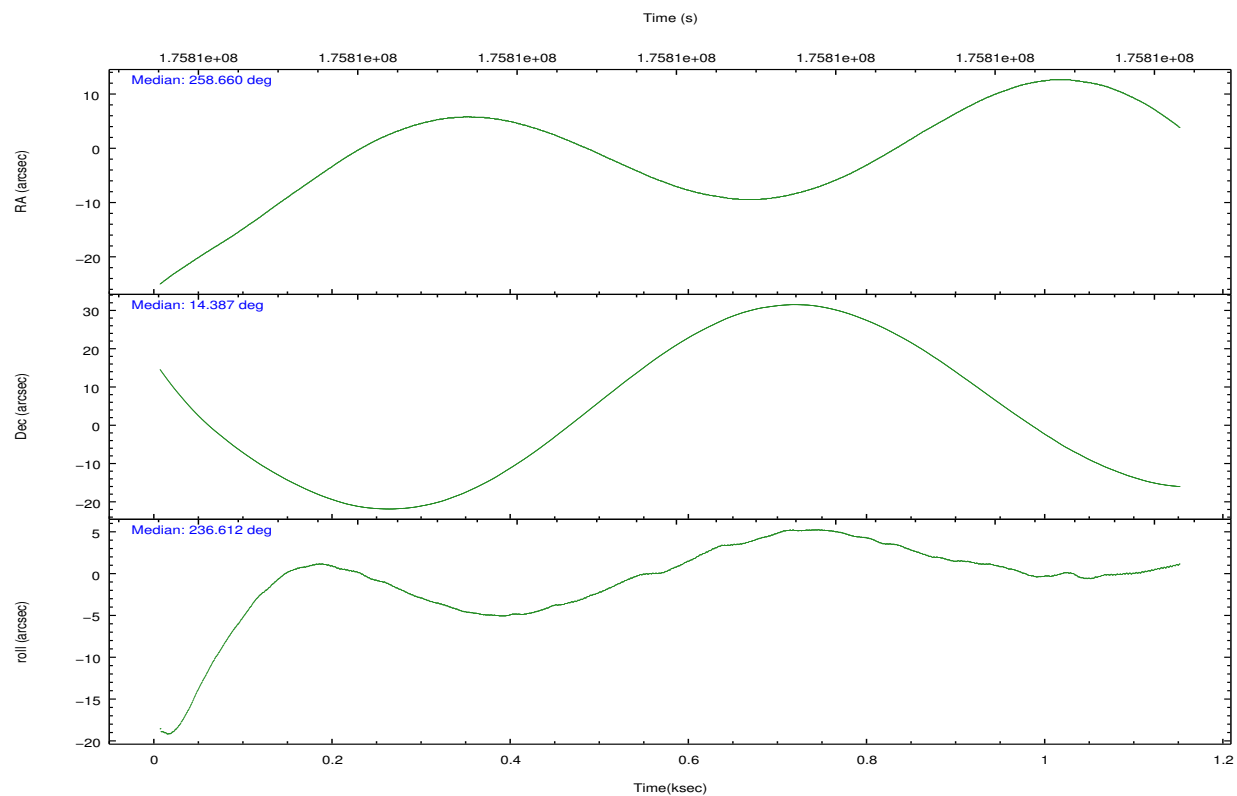
	<b>segment 0</b>
level 1 events	46596
rejected events	5832
rejected %	12%

## 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	258.659928	258.6594458442902			
[deg] Pointing Dec	14.415039	14.38748390167012			
[deg] Pointing Roll	236.704946	236.6093637995622			
[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)	175810561.184000	175809693.71683			
Observation start date	2003-07-28T20:14:57	2003-07-28T20:01:33			
[s] Observation end time (MET)	175811568.184000	175812294.65444			
Observation end date	2003-07-28T20:31:44	2003-07-28T20:44:54			

## 2.3 Aspect





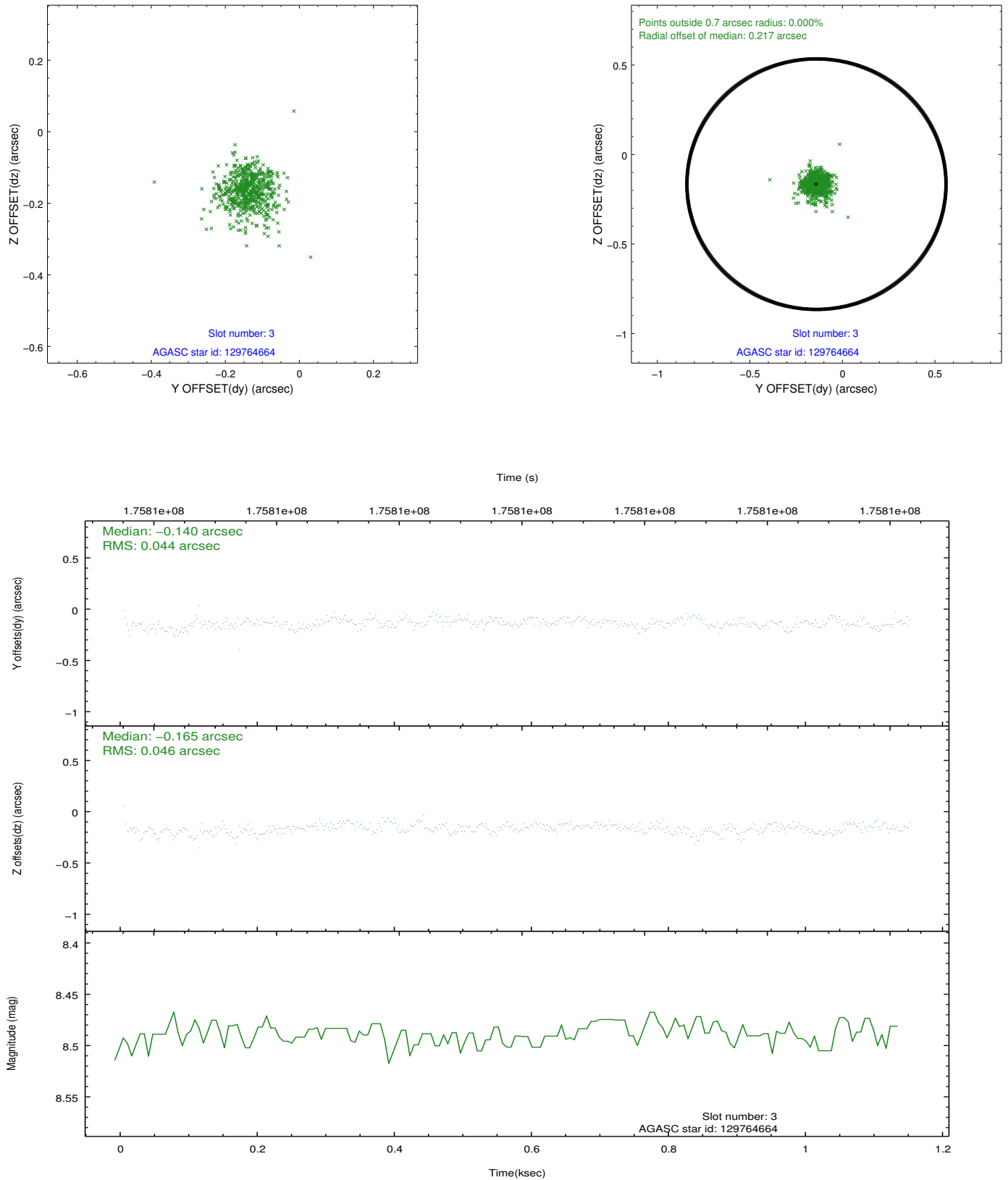
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	280	0.027	0.042	0.007	0.012	0.000000	0.000000	-761.66	-1296.41
1	FID	HRC-I-2	7.03	280	0.106	-0.107	0.006	0.011	0.000000	0.000000	848.33	-1302.78
2	FID	HRC-I-3	7.08	280	-0.015	-0.024	0.006	0.011	0.000000	0.000000	-1187.12	1003.45
3	GUIDE	129764664	8.49	560	-0.140	-0.165	0.065	0.111	258.887553	14.730168	-1384.13	36.93
4	GUIDE	129765344	8.12	560	-0.040	0.004	0.056	0.097	258.857078	14.911360	-1873.11	-410.01
5	GUIDE	129766272	8.38	560	-0.118	-0.003	0.068	0.109	259.269389	14.680808	-1970.99	1244.18
6	GUIDE	129768520	9.80	560	-0.137	-0.009	0.118	0.189	259.347269	14.325802	-1054.54	2178.20
7	GUIDE	129771704	9.76	559	0.436	0.158	0.117	0.191	258.875461	13.532960	2238.22	2375.26

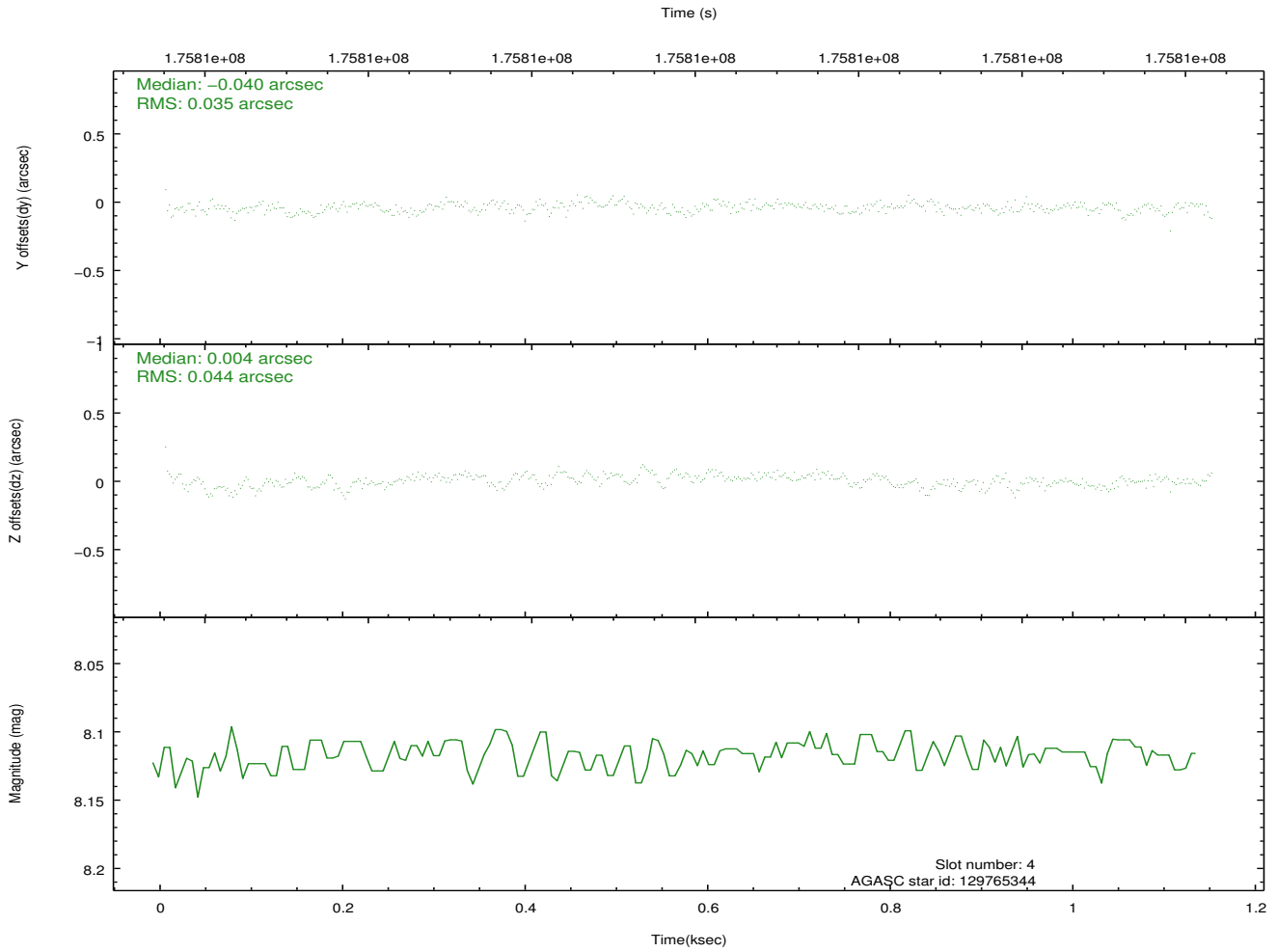
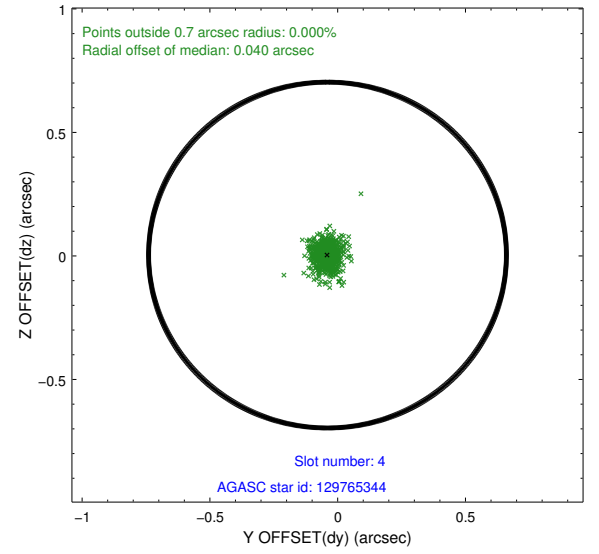
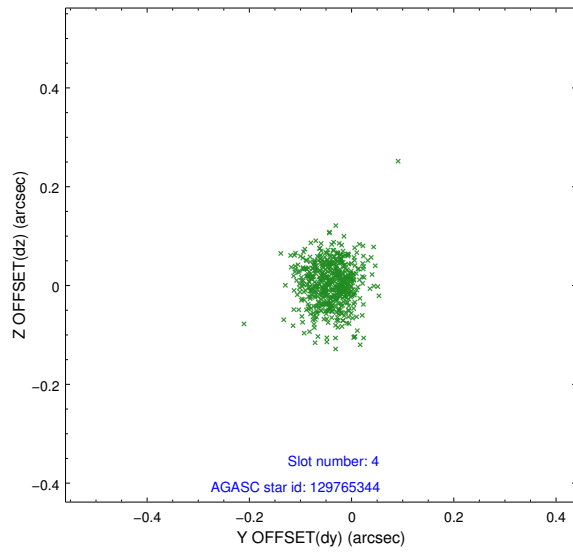


## 2.4 Star Slots

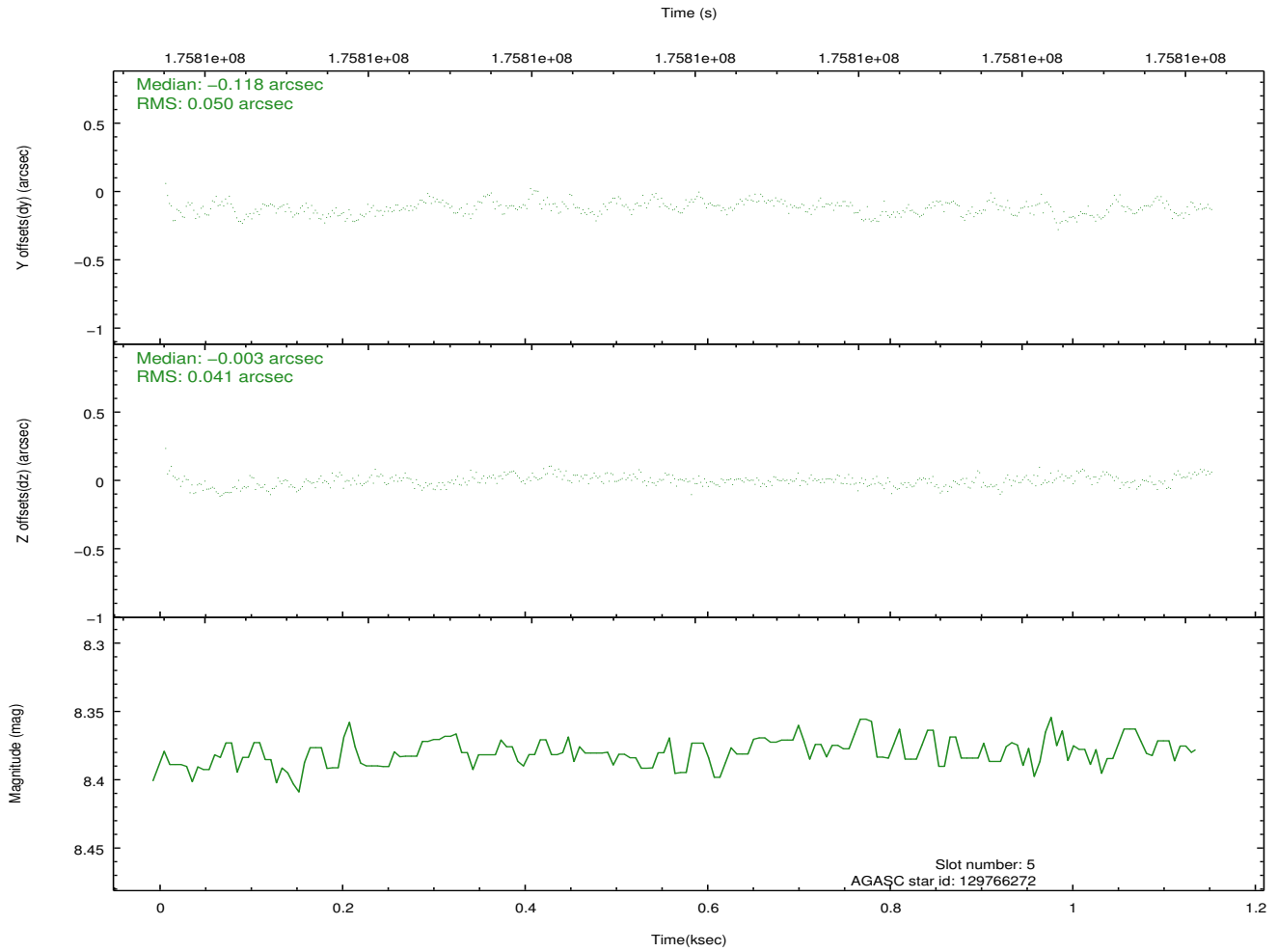
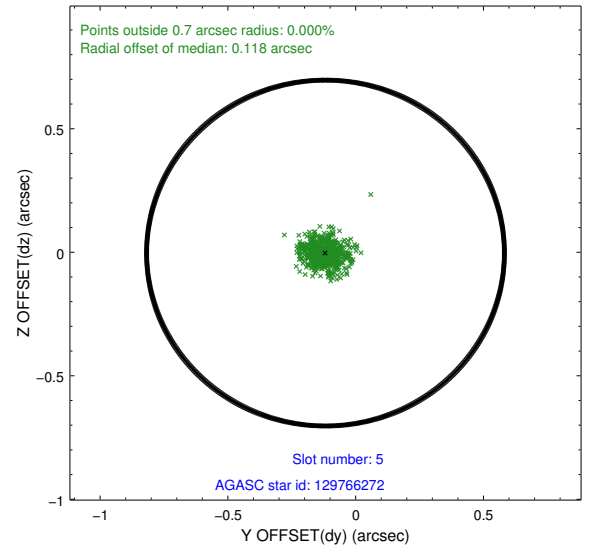
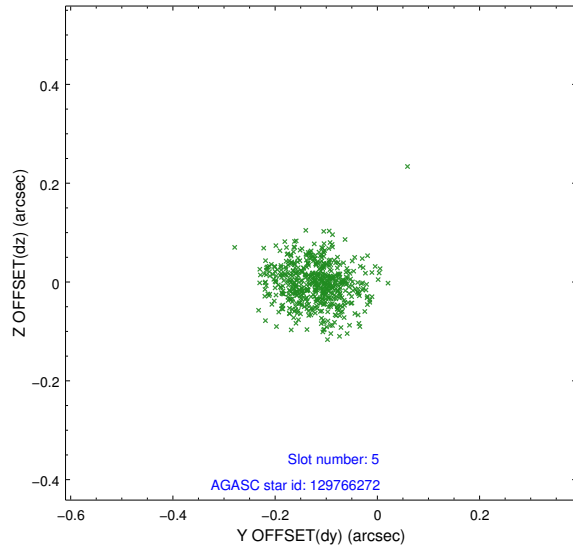
### 2.4.1 Slot 3



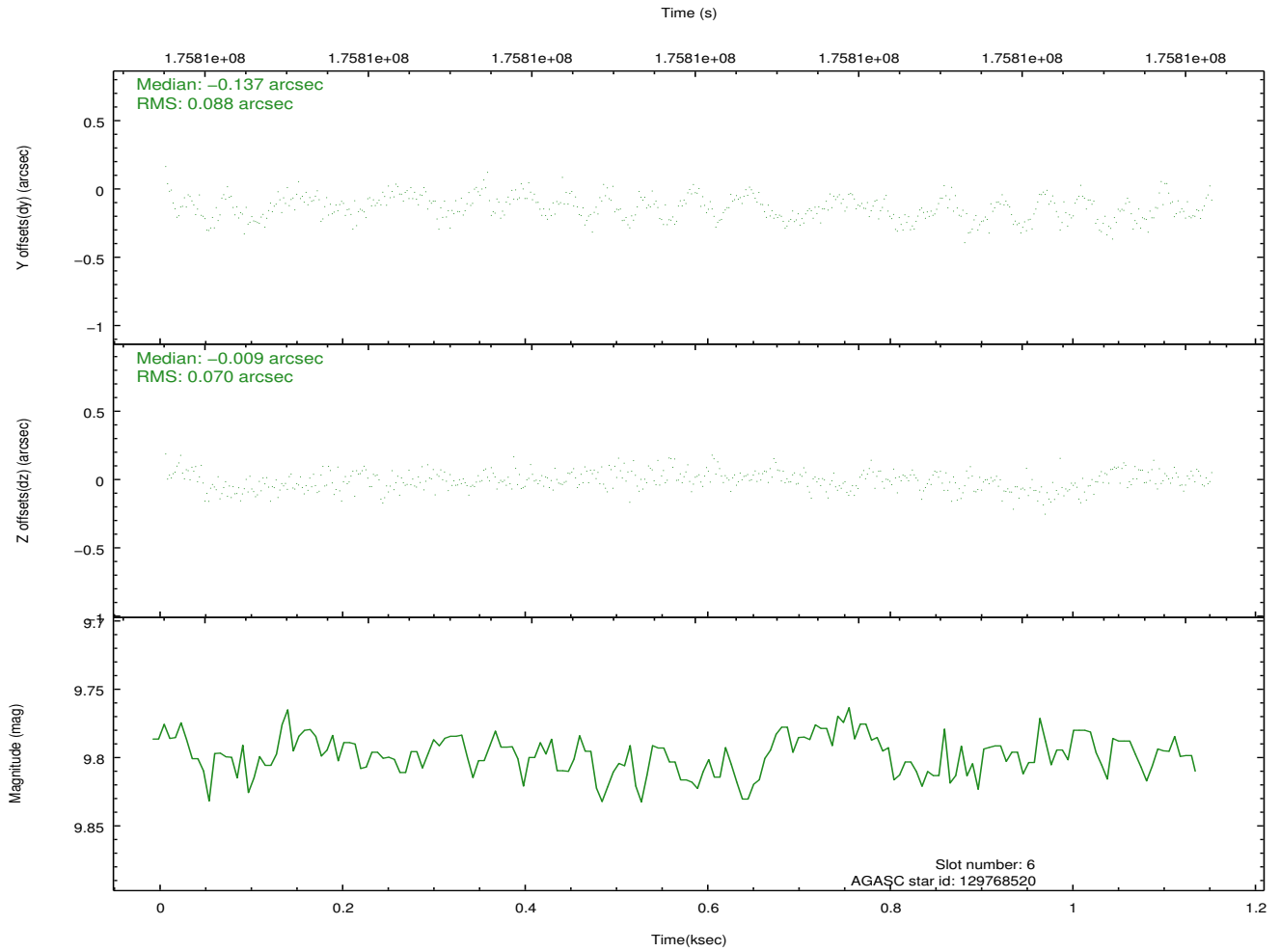
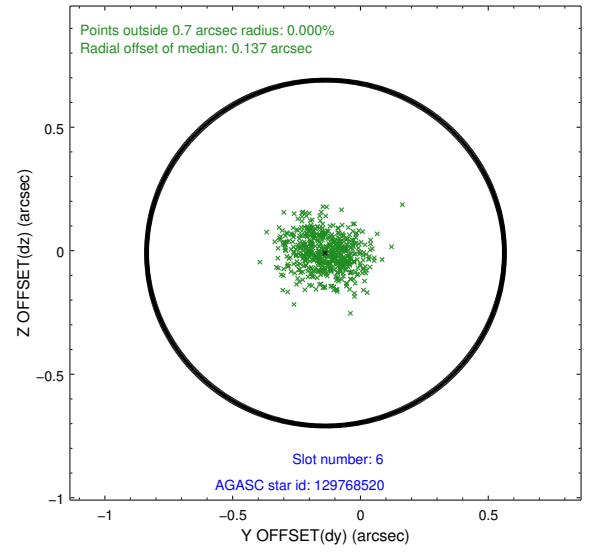
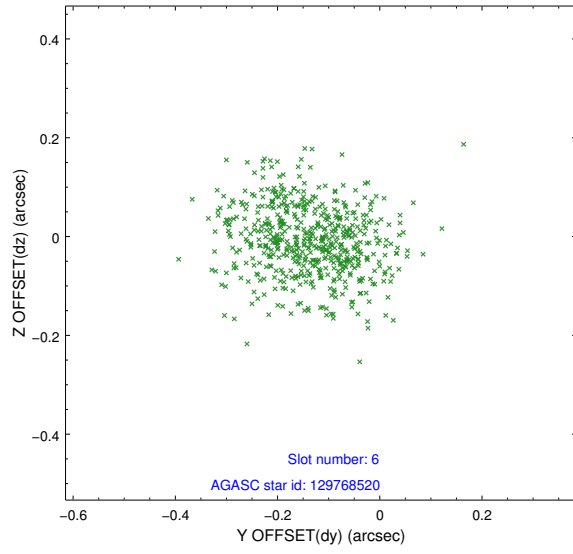
## 2.4.2 Slot 4



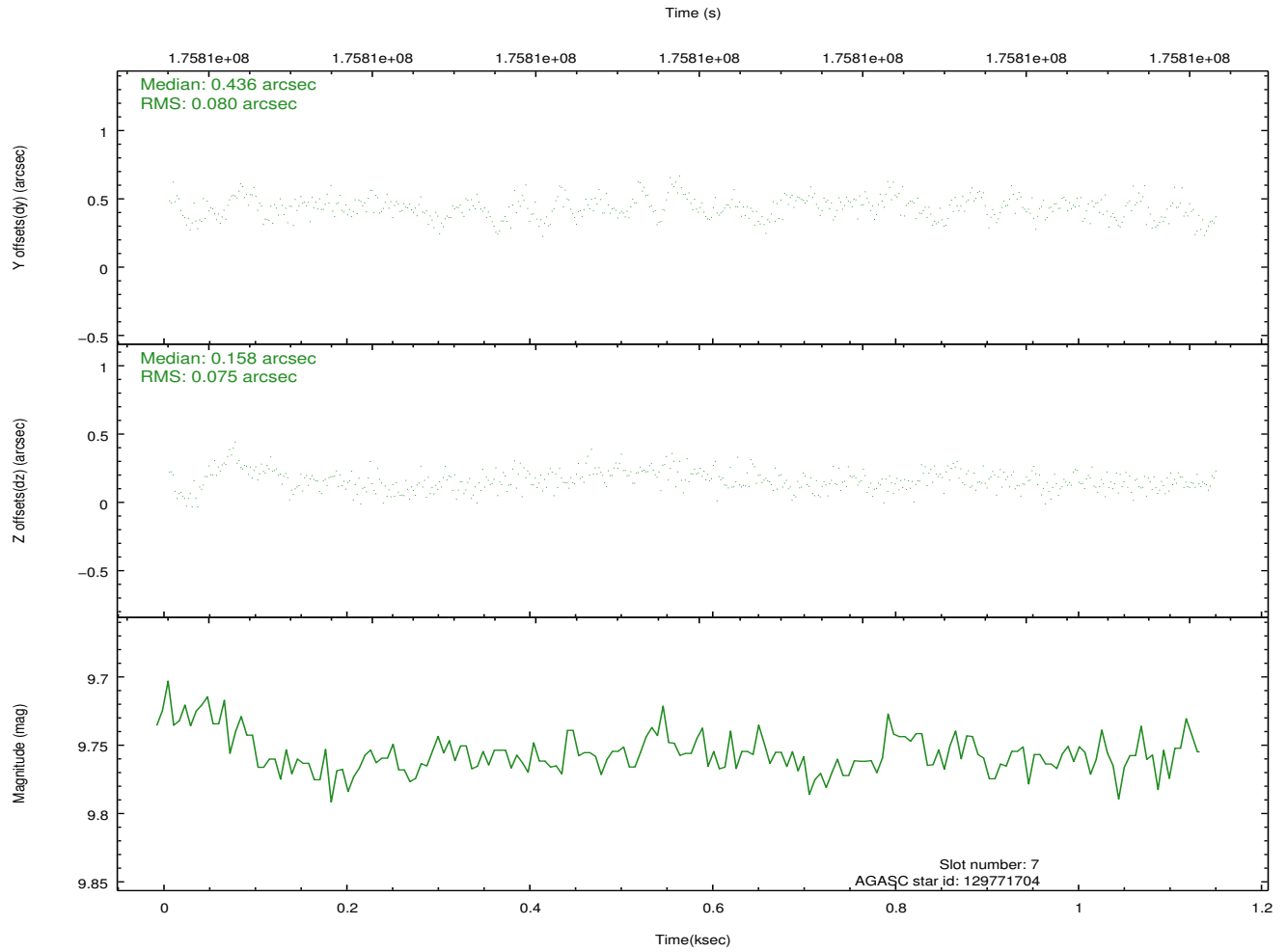
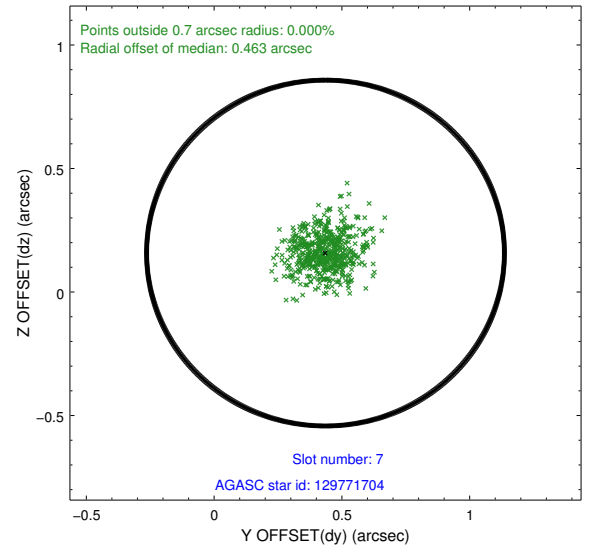
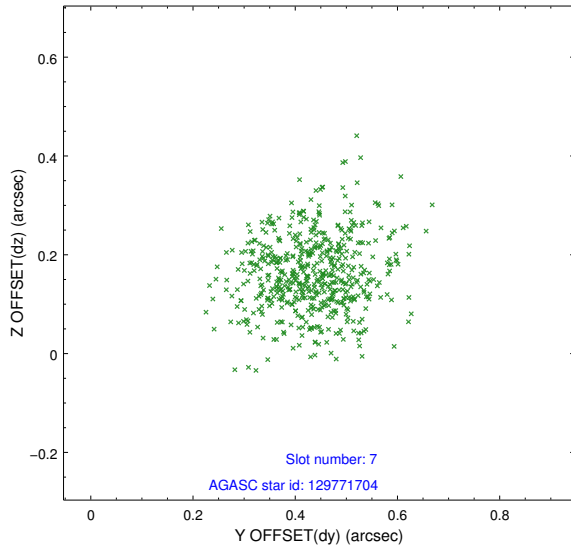
### 2.4.3 Slot 5



## 2.4.4 Slot 6

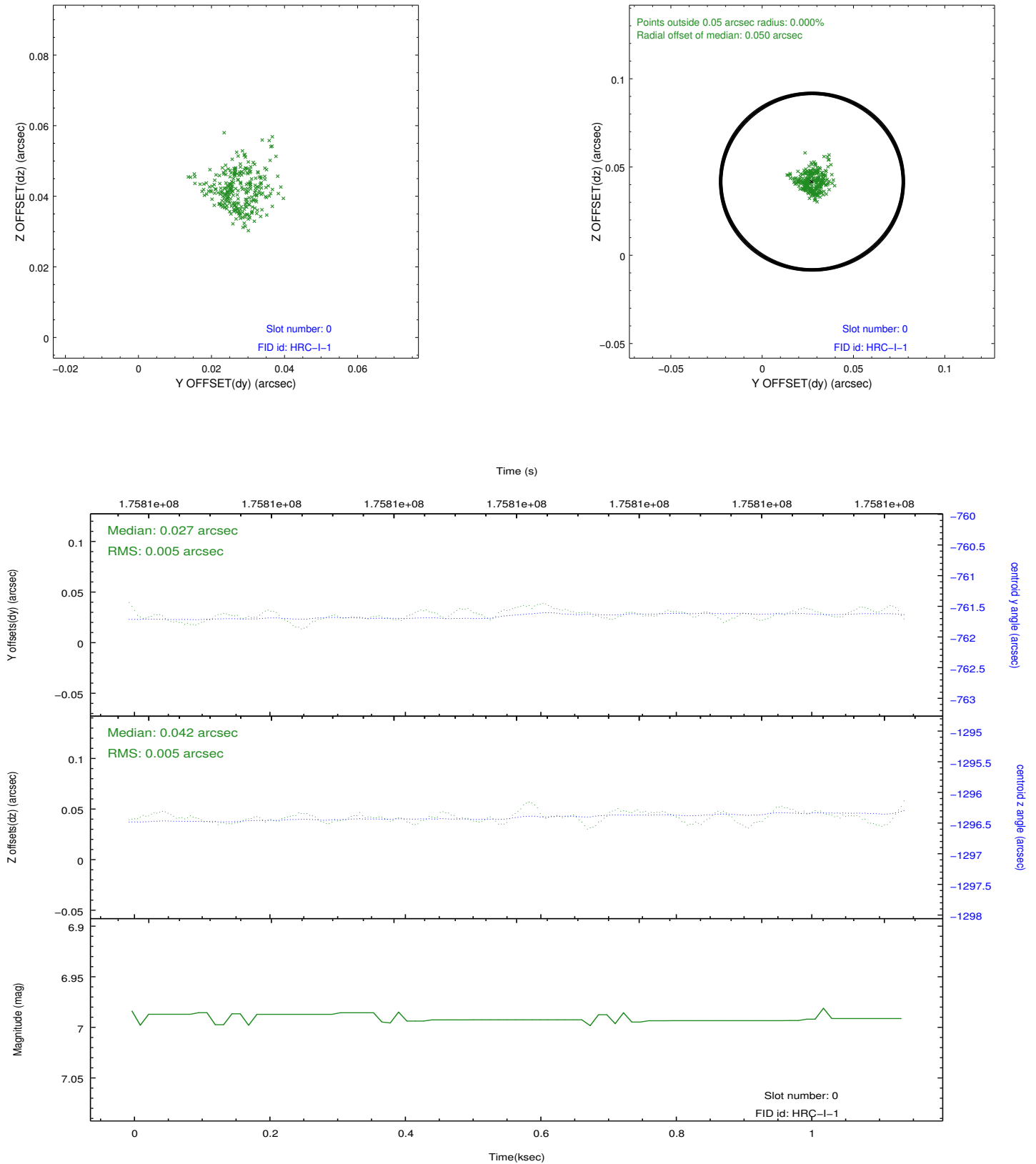


## 2.4.5 Slot 7

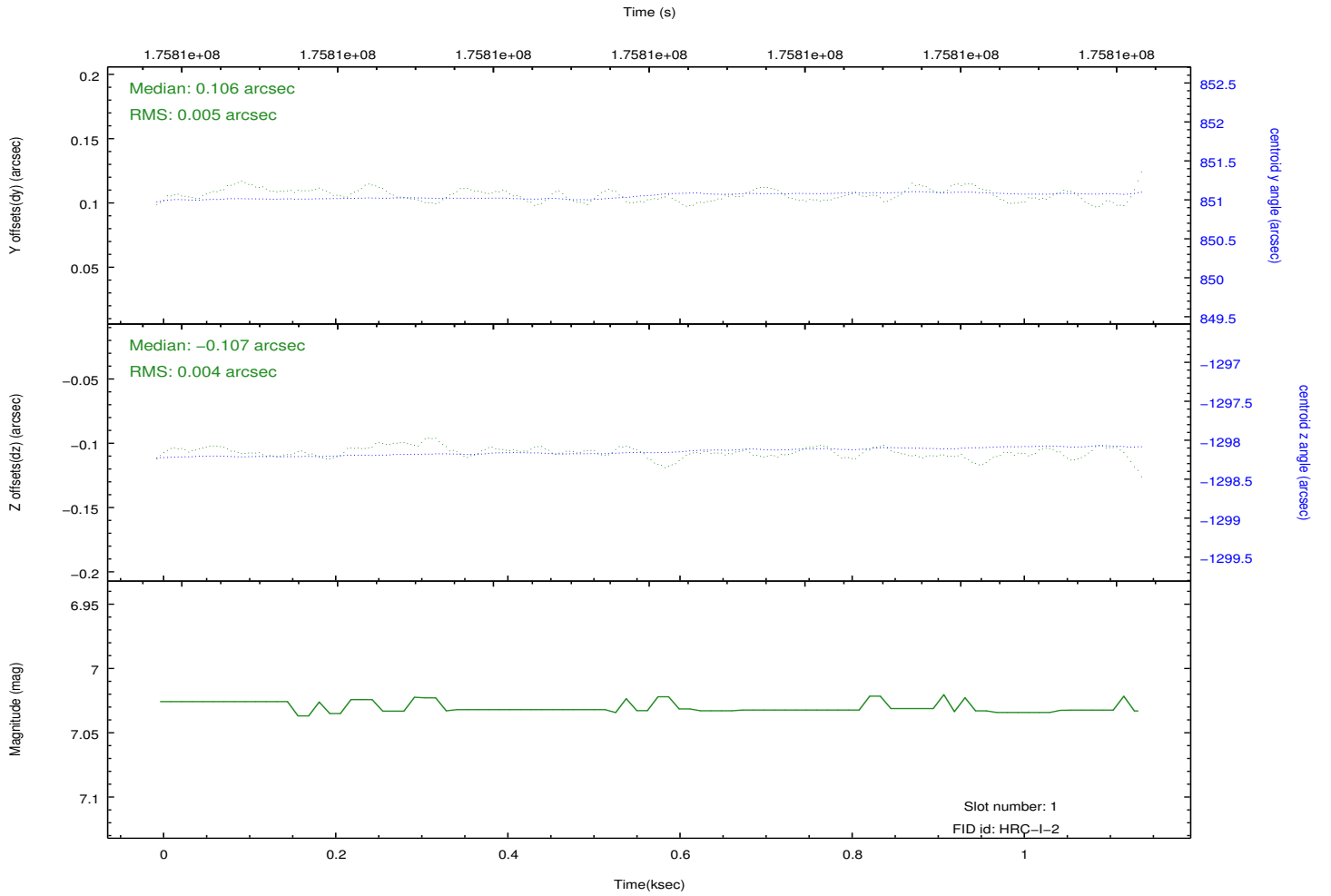
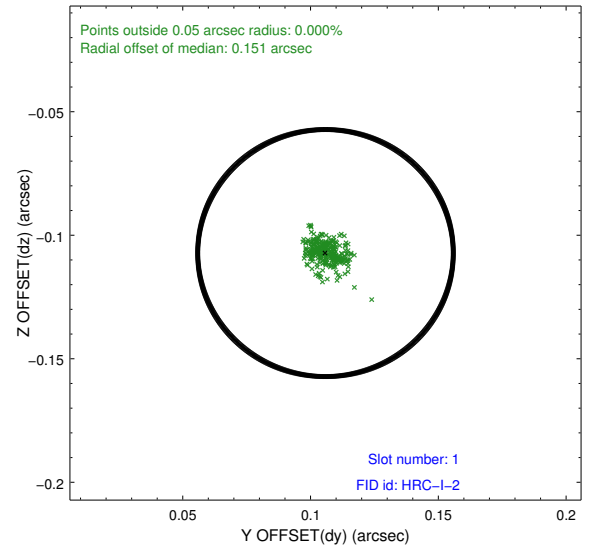
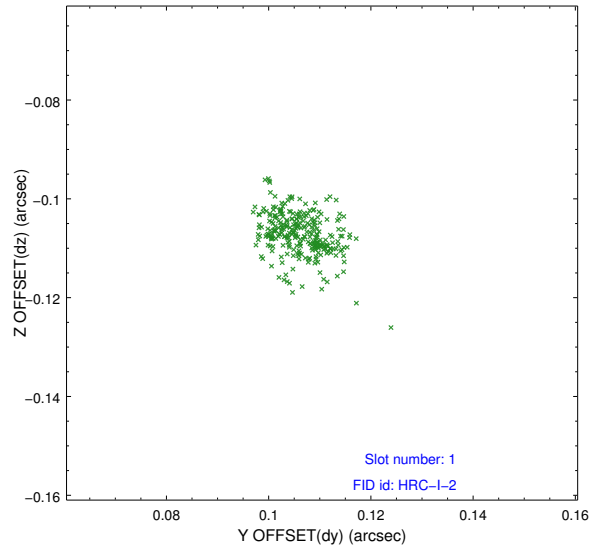


## 2.5 FID Slots

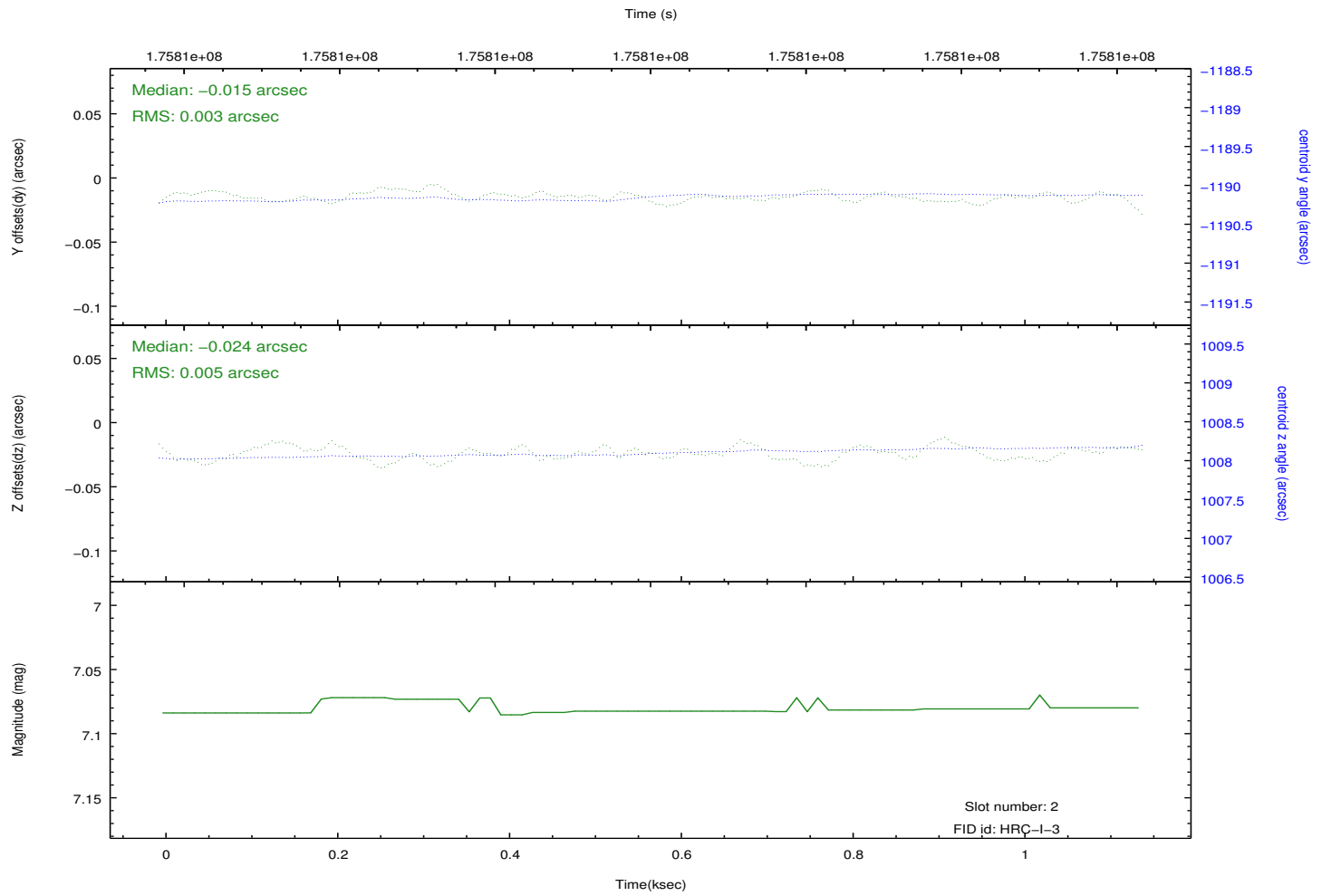
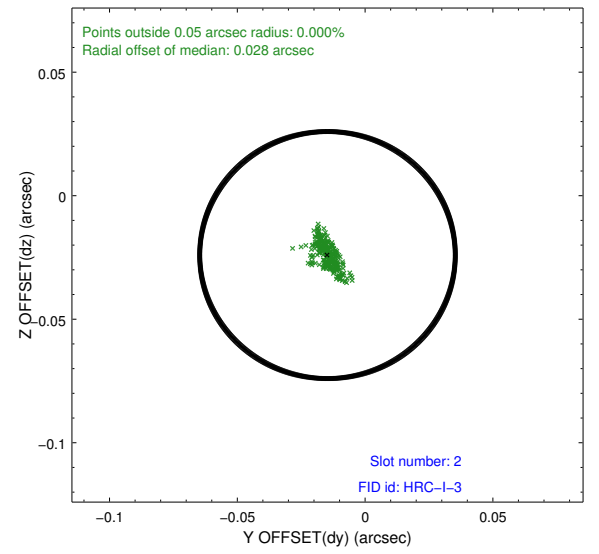
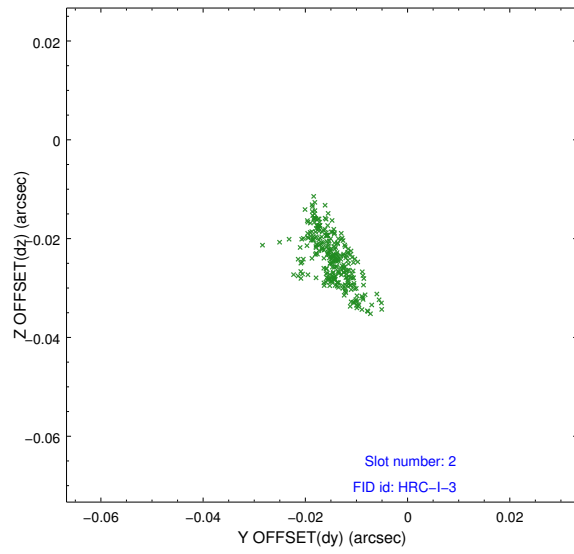
### 2.5.1 Slot 0



## 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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.99

### A.2 Comments