

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1976 - L2 Version 4  
Chandra X-Ray Center

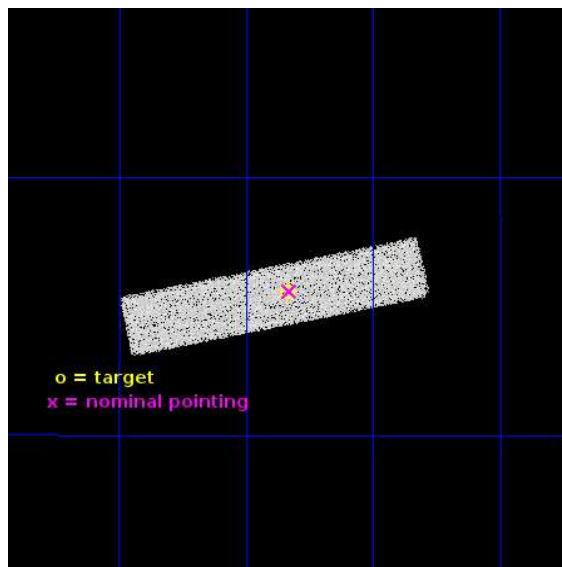
L2 Processing Date : Jun 28 2013

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# 1 Front

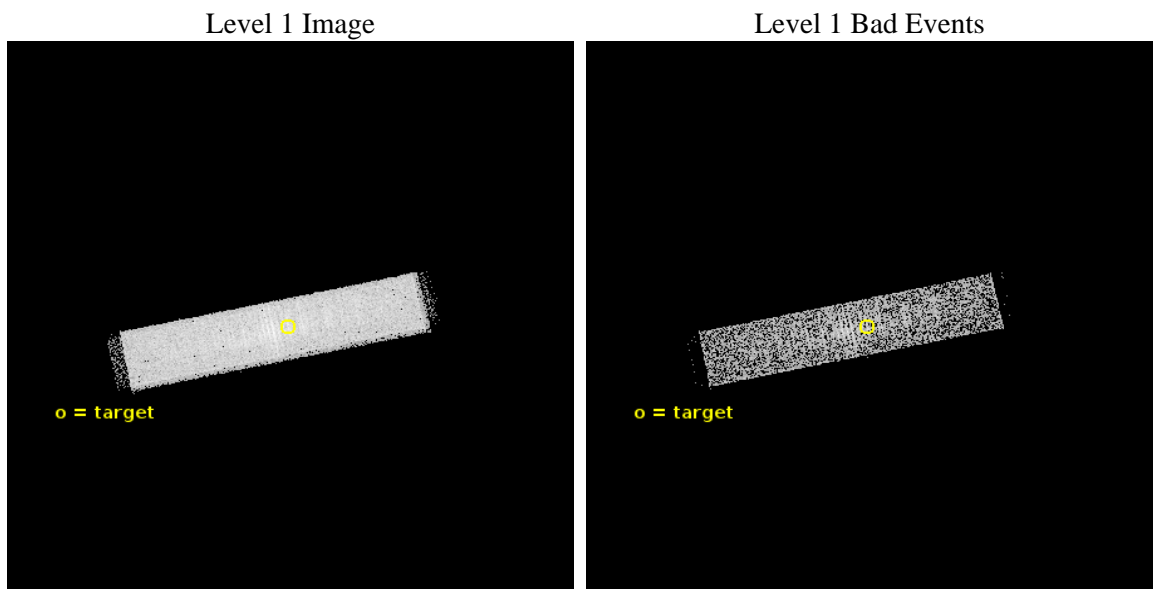
seq_num	500153	Sequence number
obs_id	1976	Observation id
title	SEARCH FOR THE BRIGHTEST ISOLATED NEUTRON STARS	Proposal title
observer	Prof. Robert Rutledge	Principal investigator
object	1RXSJ1229+1816	Source name
ra_targ	187.419167	Observer's specified target RA [deg]
dec_targ	18.279167	Observer's specified target Dec [deg]
ra_nom	187.41463211474	Nominal RA [deg]
dec_nom	18.279409122256	Nominal Dec [deg]
roll_nom	168.09033009846	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1124.681293577	[s]
livetime	1121.3332179305	Ontime multiplied by DTCOR
l2events	30568	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	1150.000000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	1124.681293577	[s]
caldsver	4.5.7	&#160	l1events	78006	Number of level 1 events
date	2013-06-28T23:18:05	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

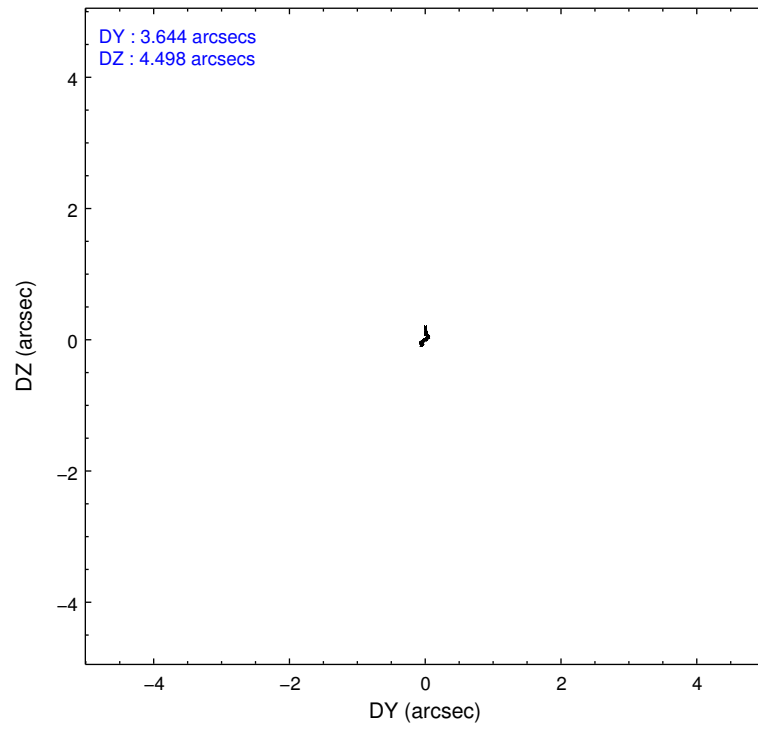
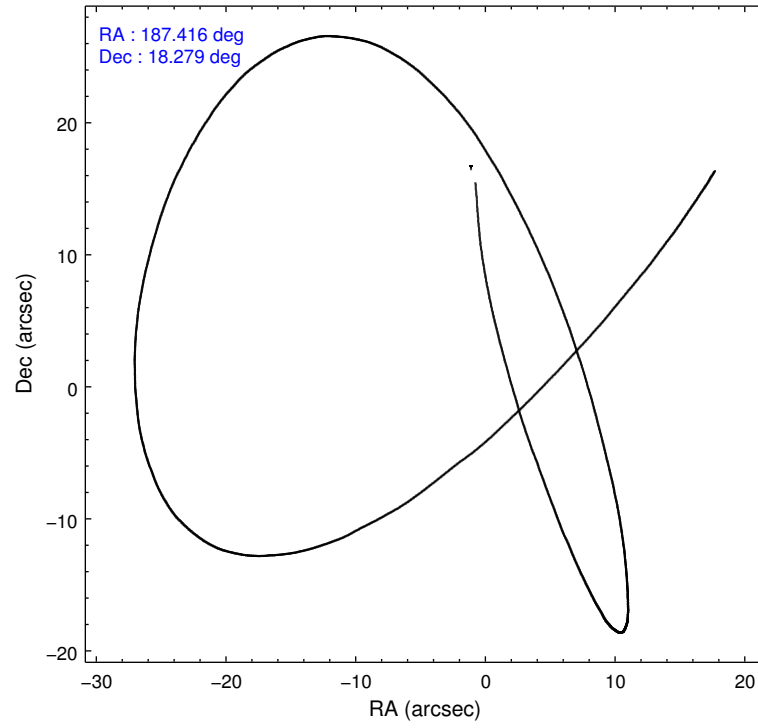
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	118	77887	1
rejected events	52	29059	0
rejected %	44%	37%	0%

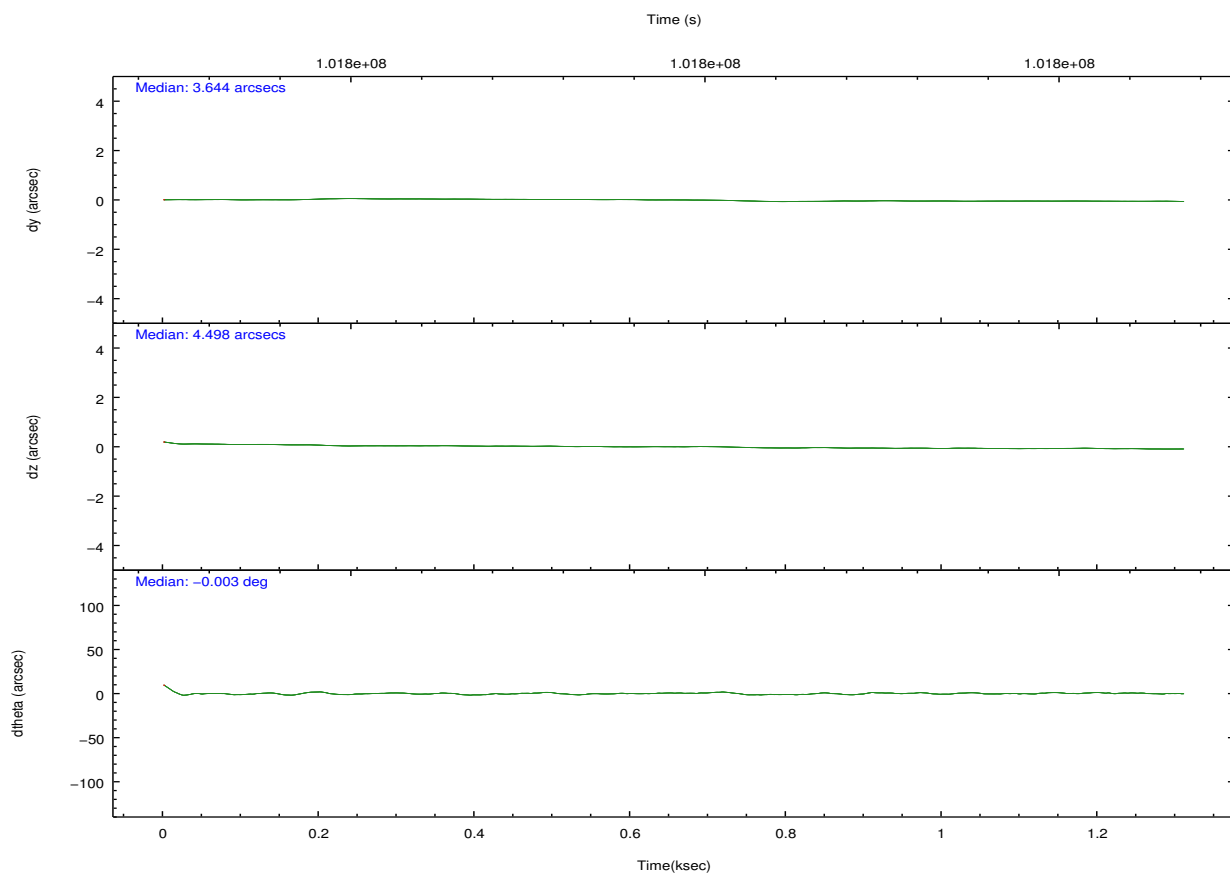
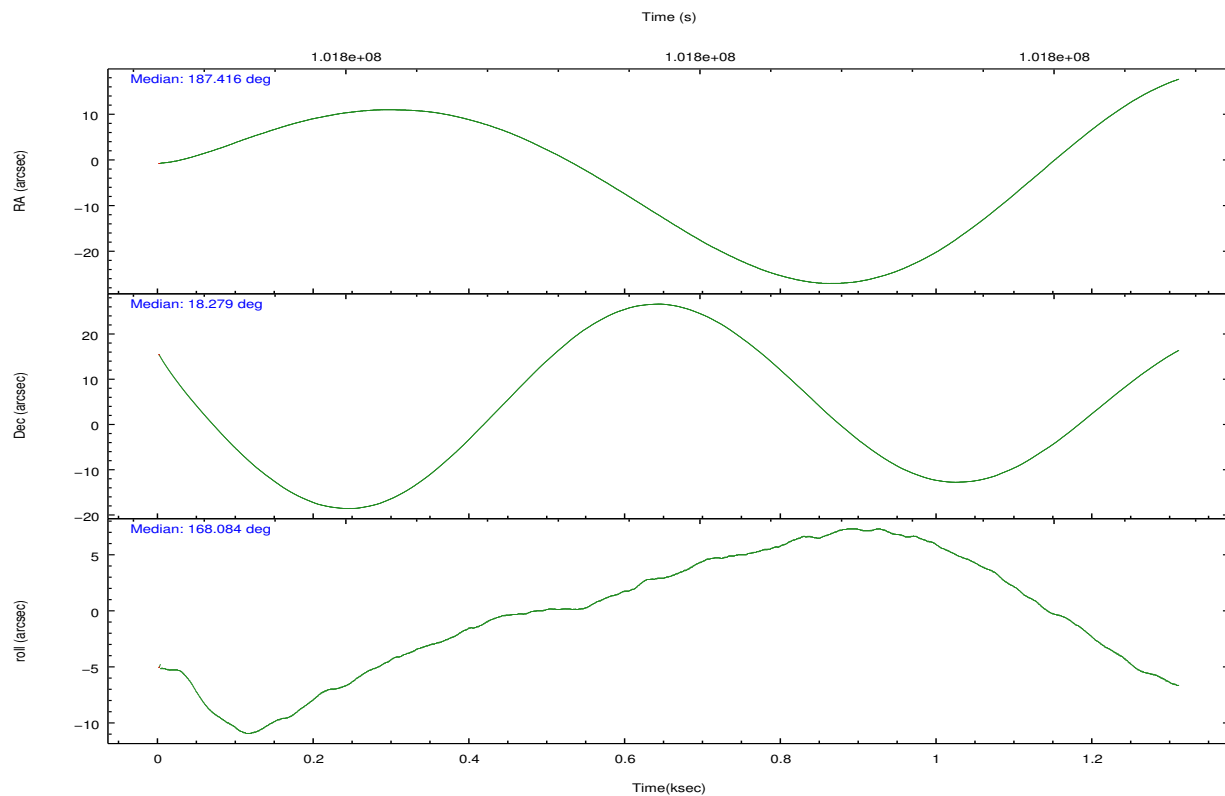
## 2.2 Compared Parameters

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	187.442507	187.4146321147431
[deg] Pointing Dec	18.290482	18.27940912225602
[deg] Pointing Roll	168.014245	168.0903300984596
[mm] SIM focus pos	-1.529586	-1.523540733526241
[mm] SIM defocus	0.003750771043328743	0.009795905878055677
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	101796961.184000	101796383.5874
Observation start date	2001-03-24T04:54:57	2001-03-24T04:46:23
[s] Observation end time (MET)	101798111.184000	101798753.38749
Observation end date	2001-03-24T05:14:07	2001-03-24T05:25:53

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

## 2.3 Aspect





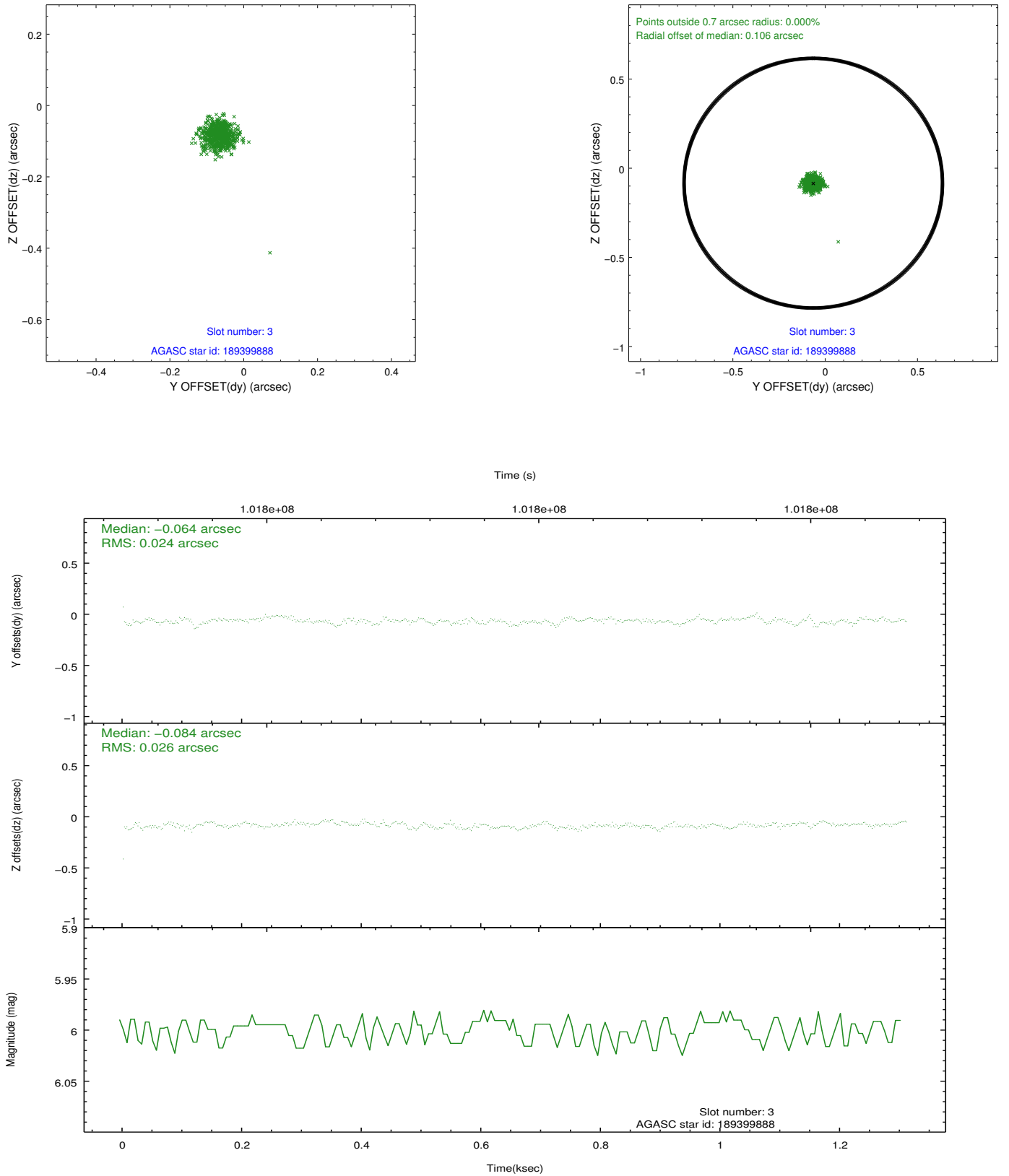
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	320	0.134	-0.143	0.006	0.012	0.000000	0.000000	-1157.69	-452.94
1	FID	HRC-S-3	7.00	320	0.145	-0.053	0.008	0.013	0.000000	0.000000	-1164.01	575.26
2	FID	HRC-S-4	6.93	320	0.109	-0.102	0.005	0.010	0.000000	0.000000	1236.89	580.98
3	GUIDE	189399888	6.00	640	-0.064	-0.084	0.035	0.058	187.531126	17.895616	-590.50	1324.35
4	GUIDE	189405064	7.34	640	-0.060	-0.002	0.050	0.080	186.887888	17.834342	1519.62	1997.60
5	GUIDE	189663456	7.99	640	-0.133	0.132	0.046	0.073	186.991225	18.802334	1891.78	-1484.48
6	GUIDE	189403984	8.27	640	0.156	-0.050	0.053	0.088	187.021519	18.330647	1442.64	150.57
7	GUIDE	189409592	8.96	639	0.100	0.008	0.085	0.136	187.852382	17.693080	-1817.45	1807.45

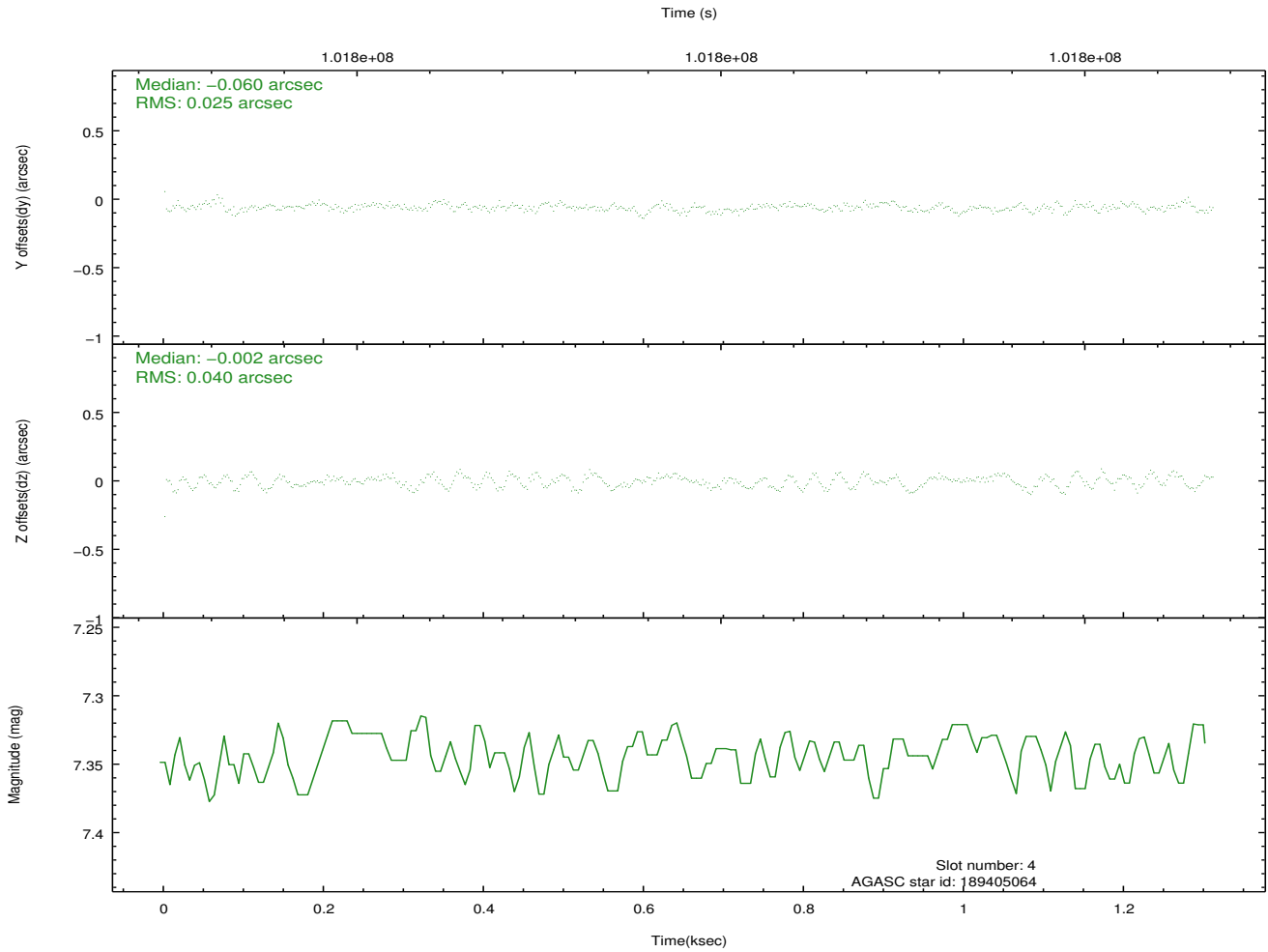
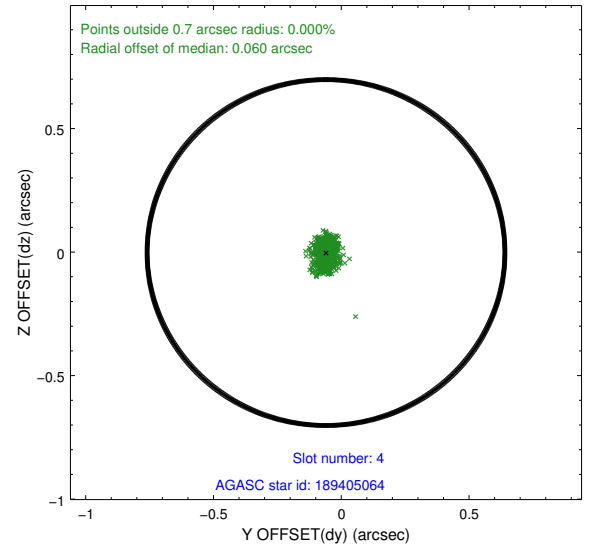
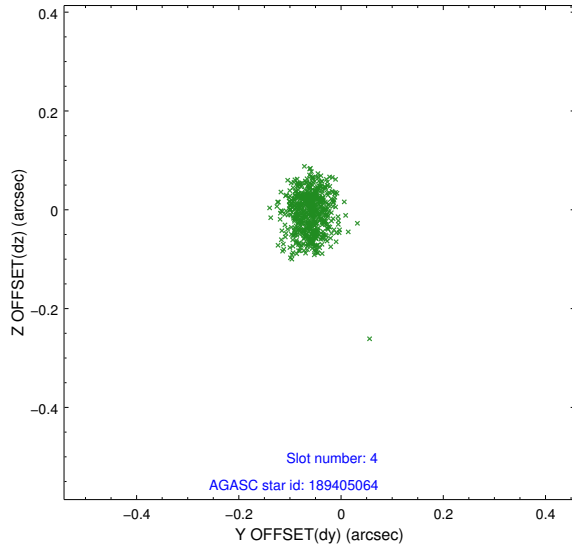


## 2.4 Star Slots

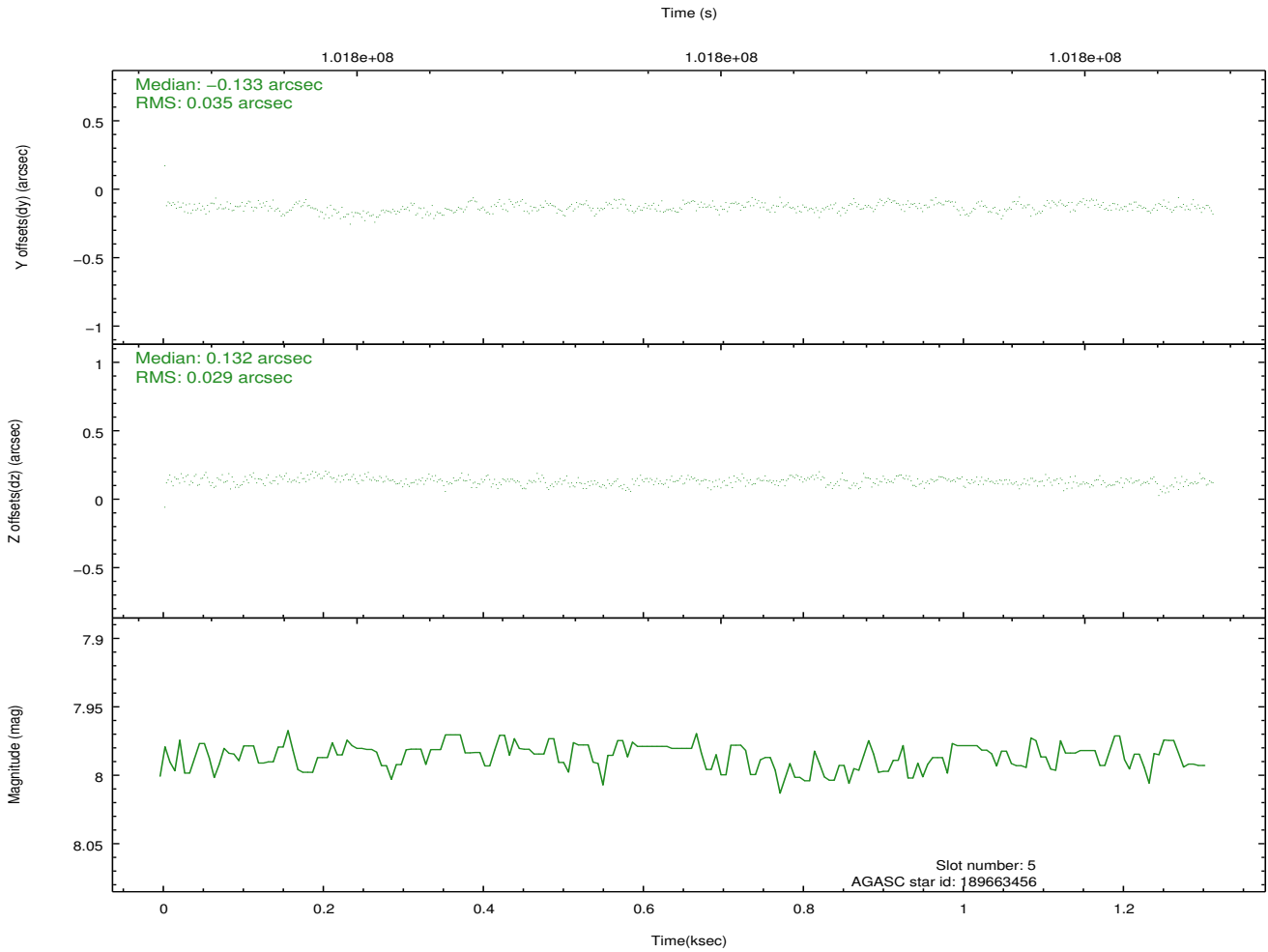
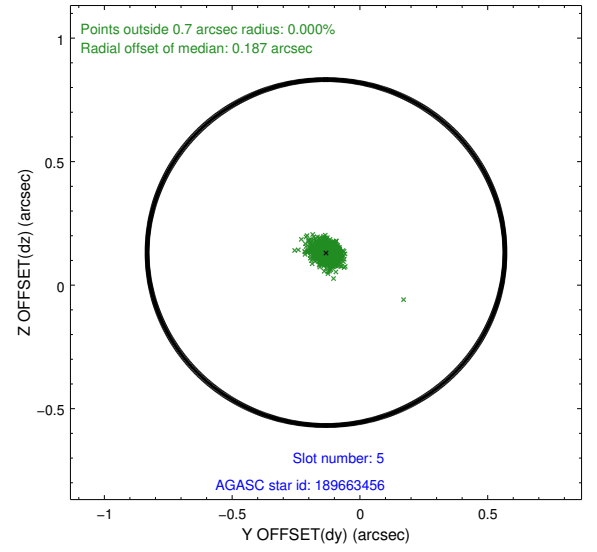
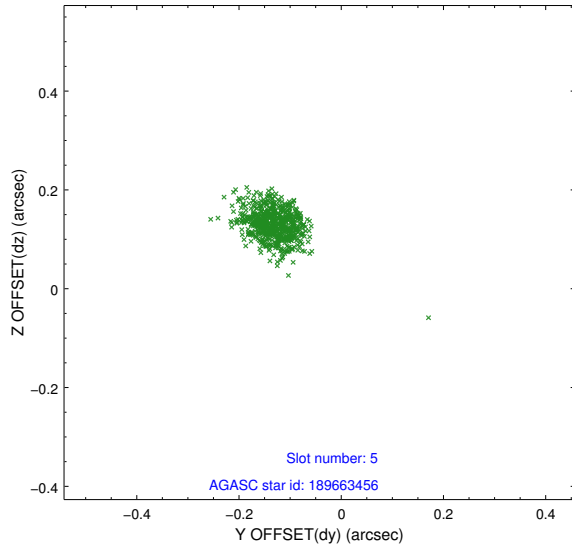
### 2.4.1 Slot 3



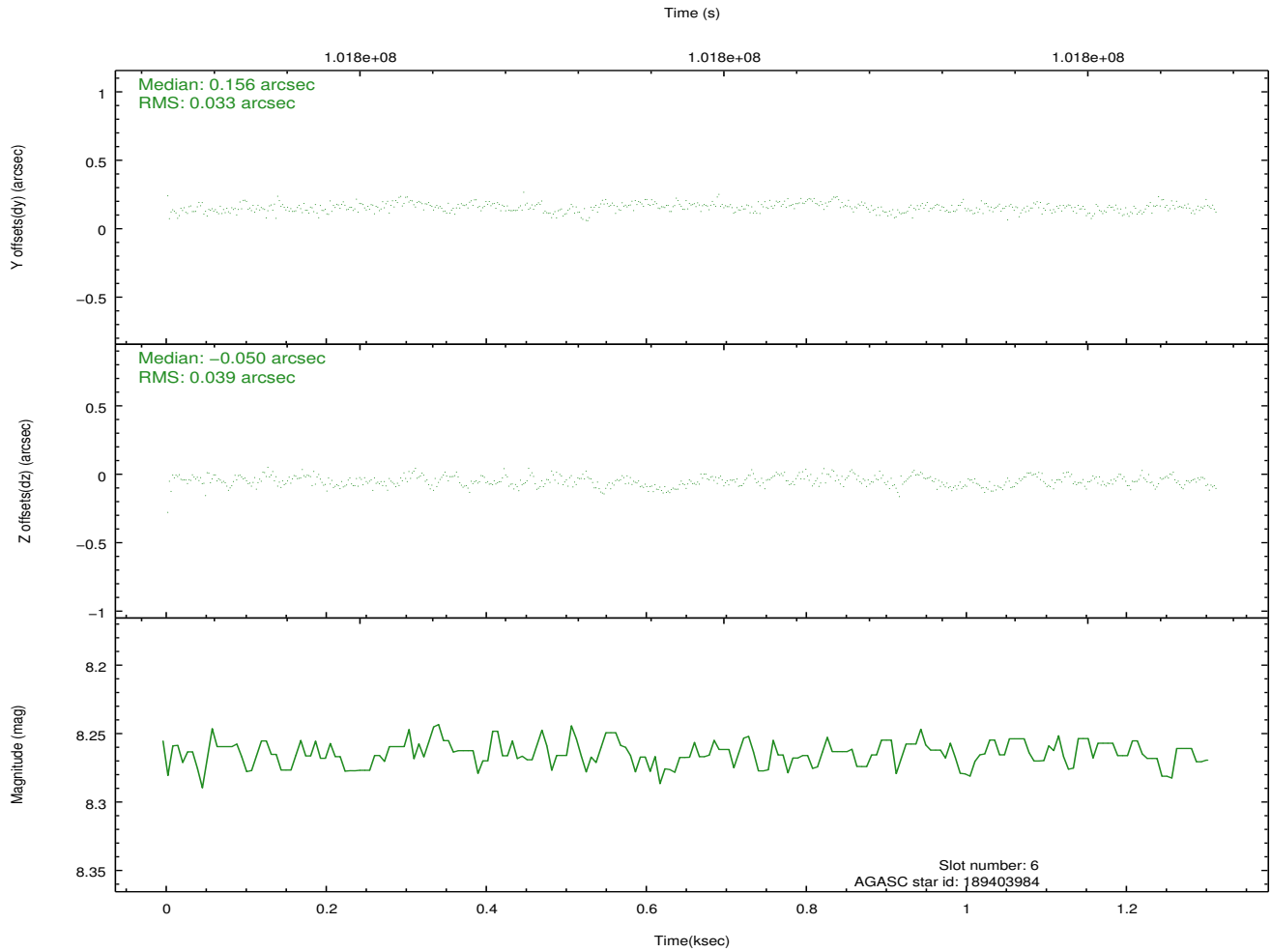
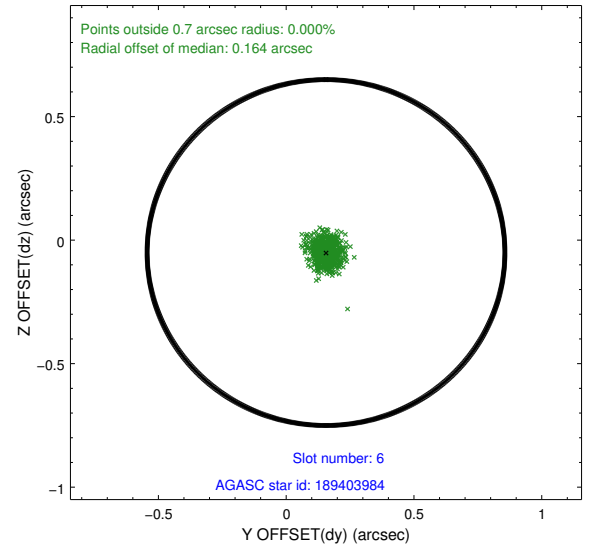
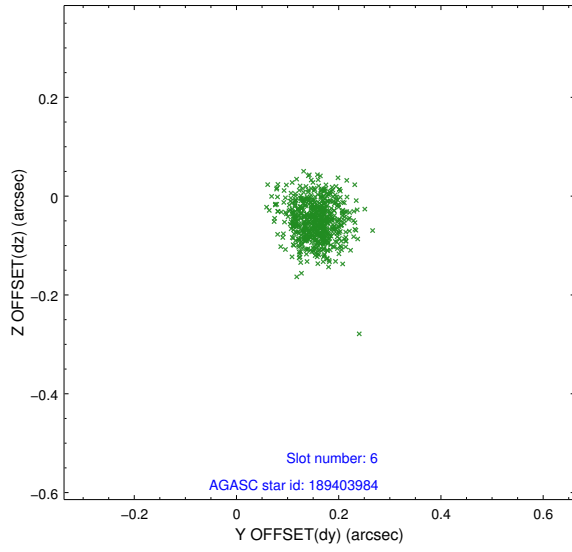
## 2.4.2 Slot 4



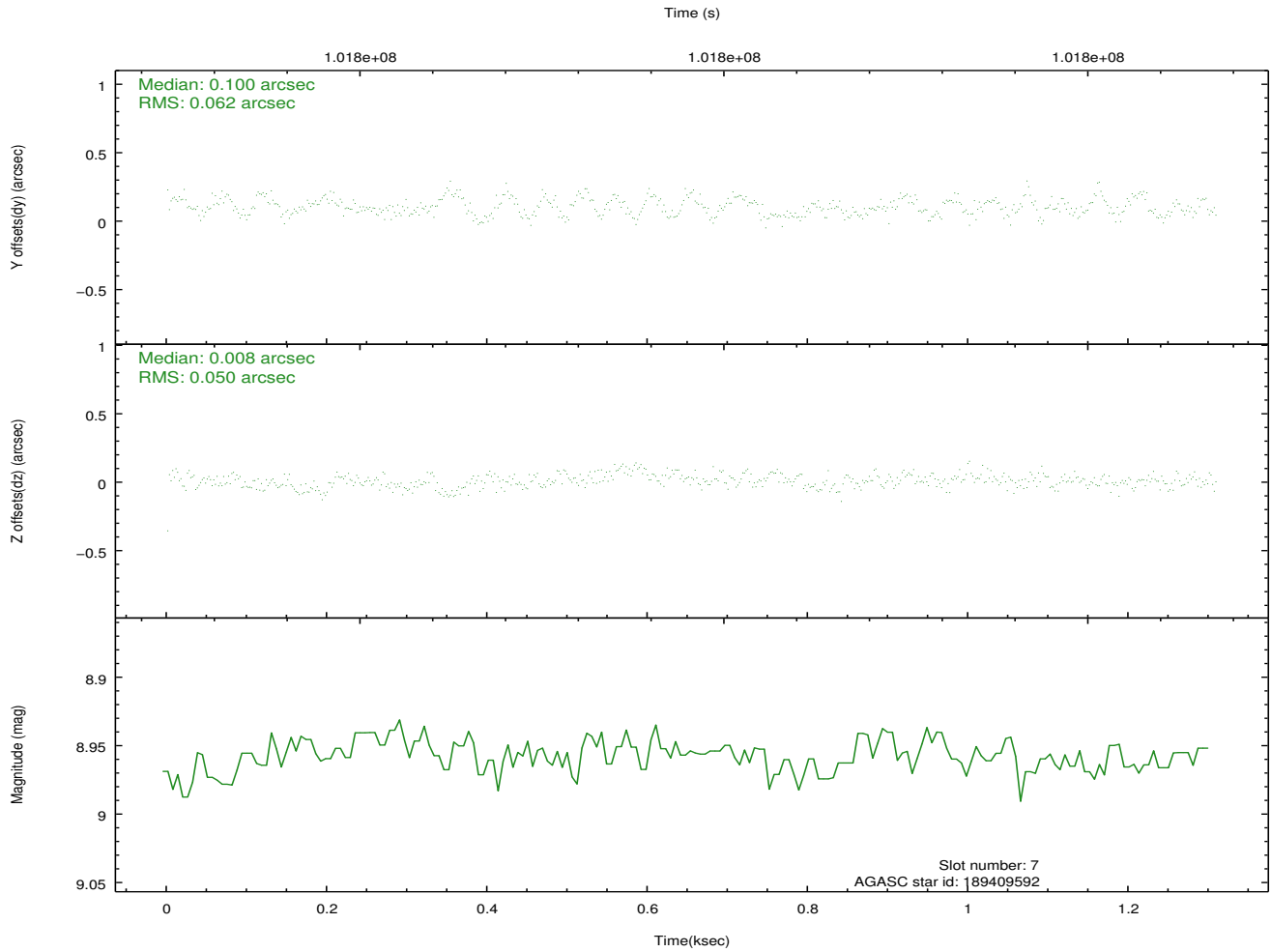
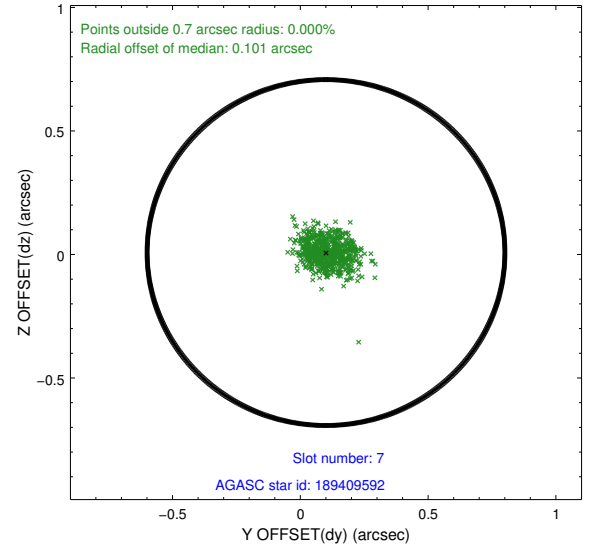
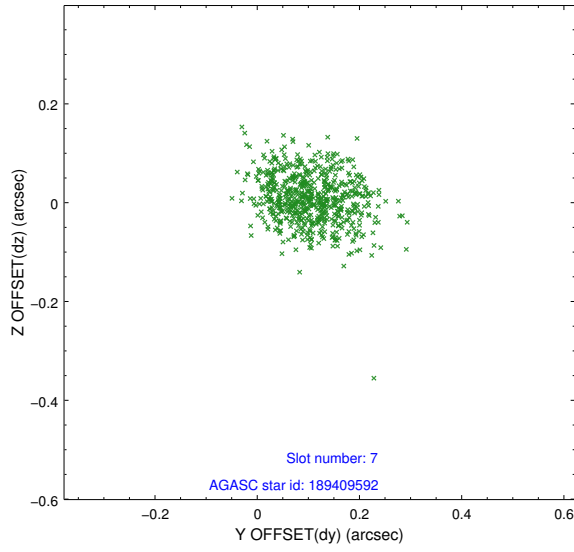
### 2.4.3 Slot 5



## 2.4.4 Slot 6

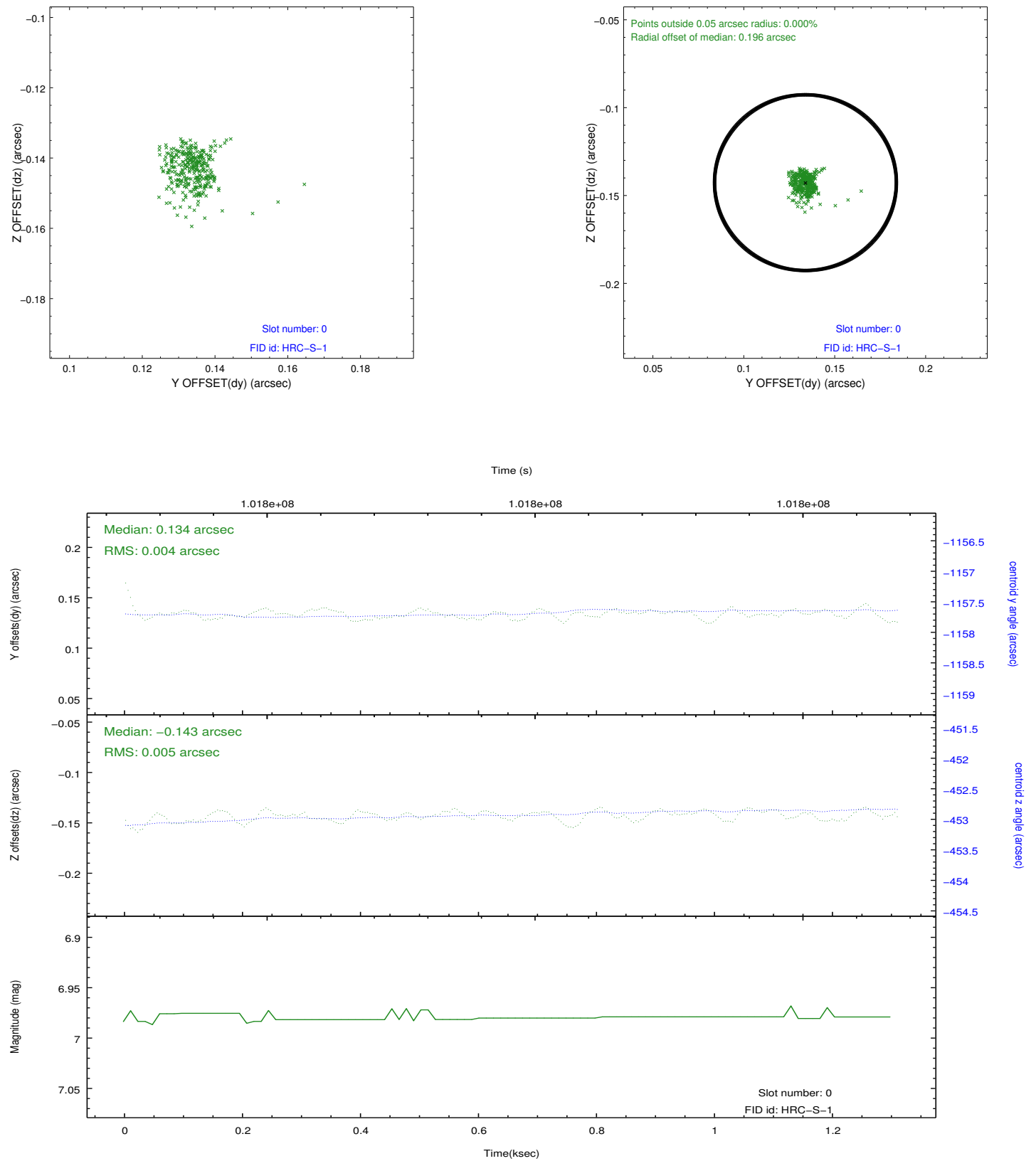


## 2.4.5 Slot 7

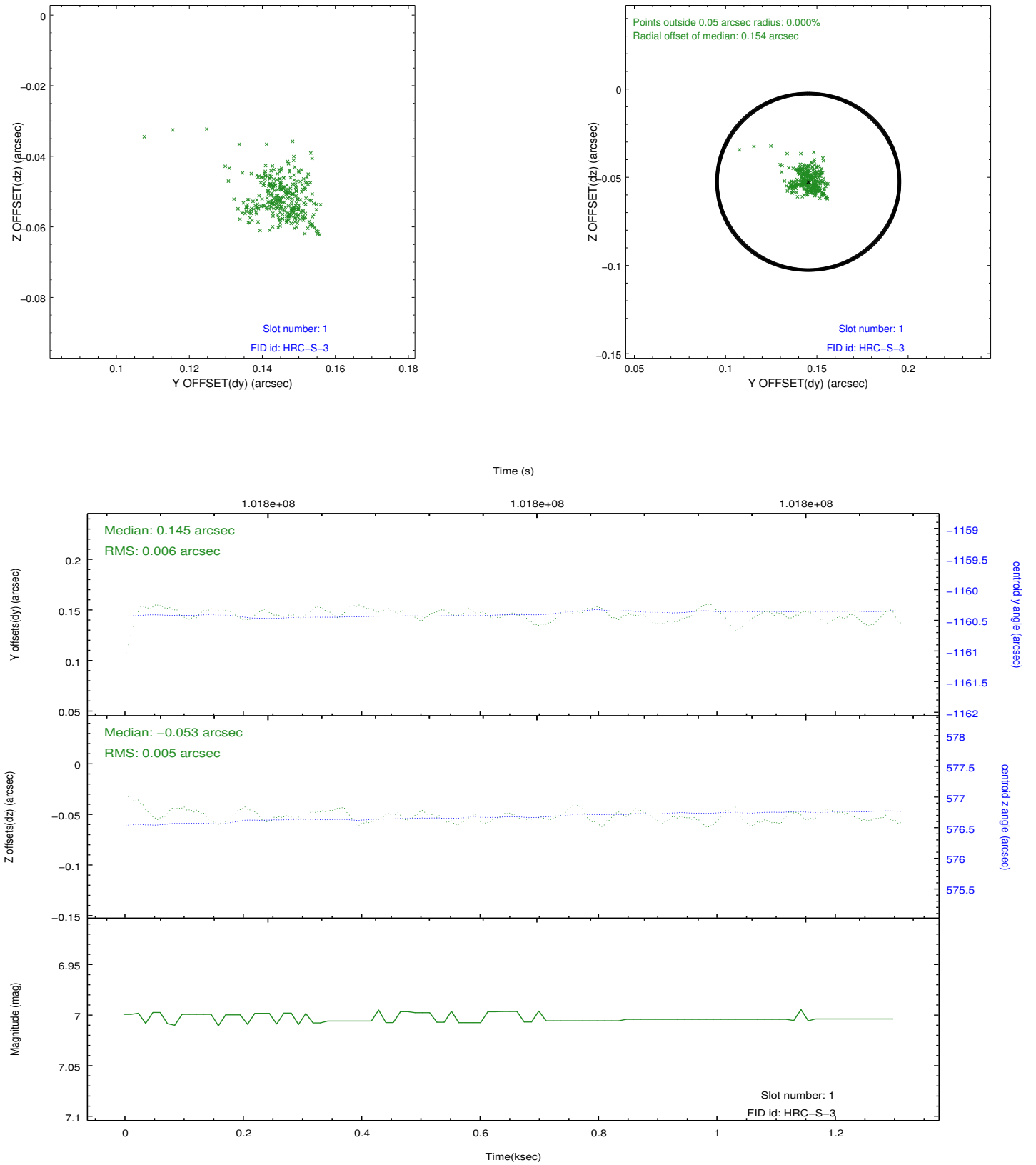


## 2.5 FID Slots

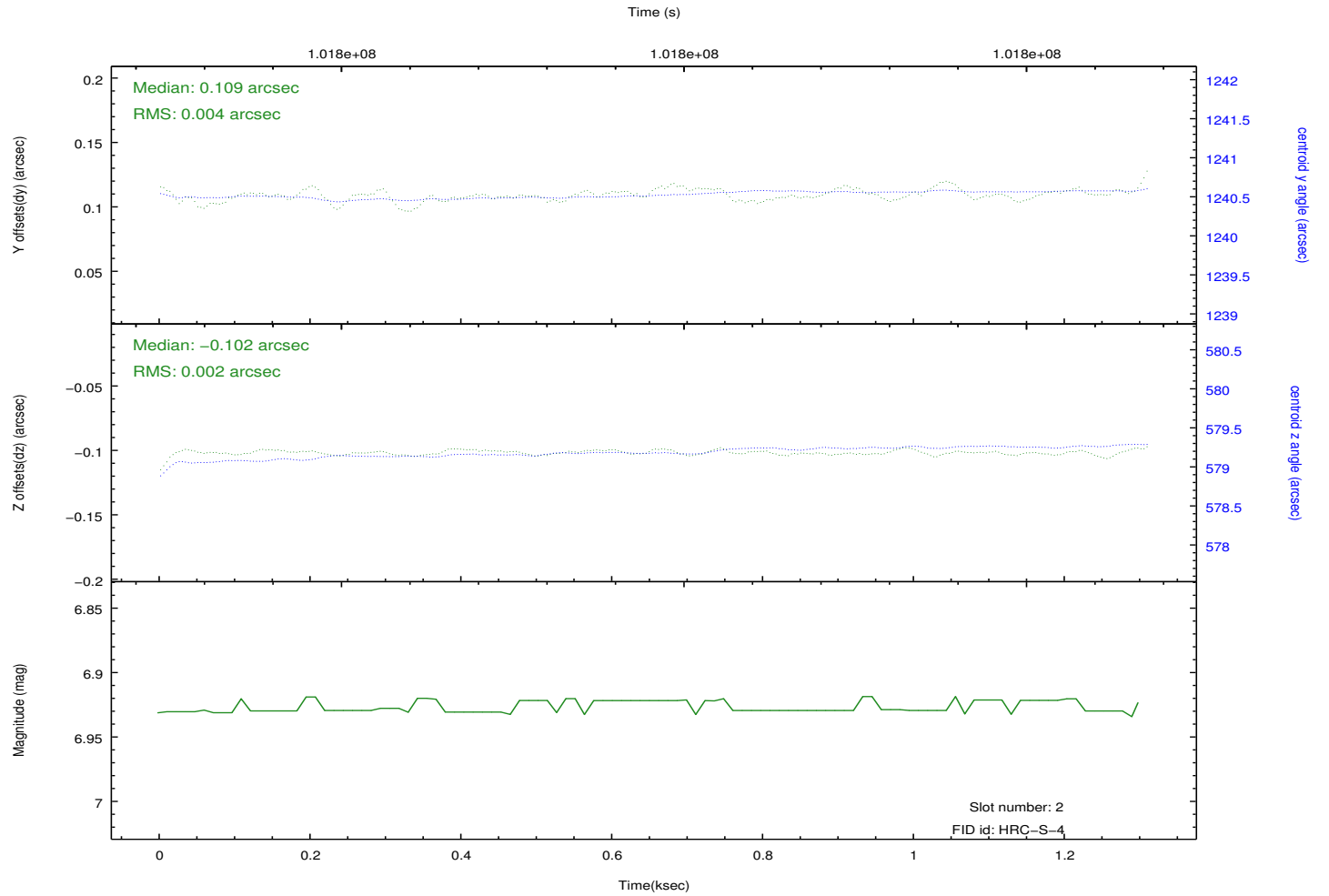
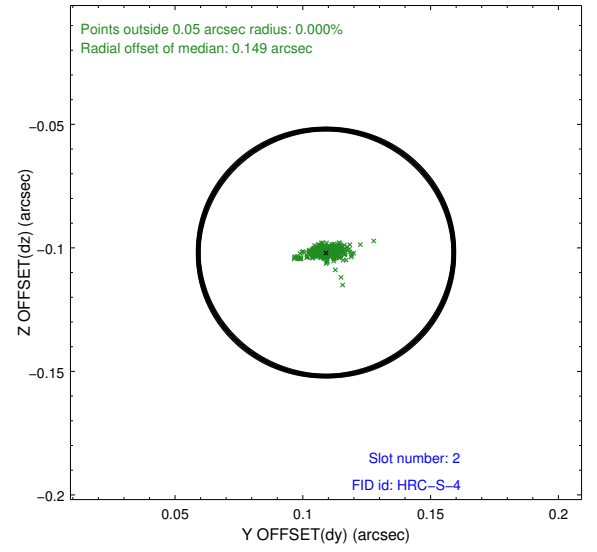
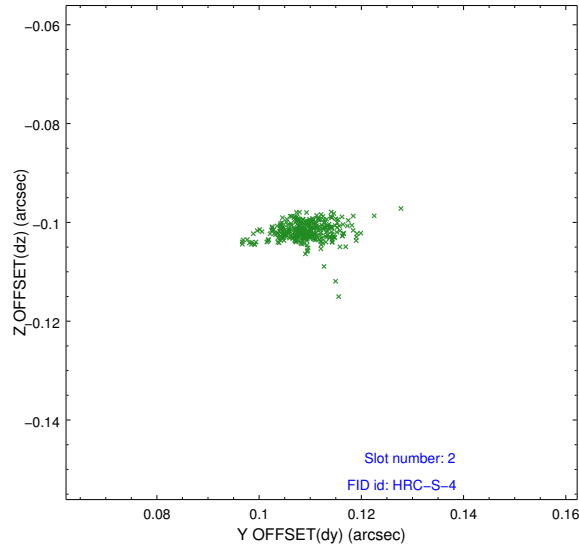
### 2.5.1 Slot 0



## 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)	2013.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.124

### A.2 Comments