

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 5507 - L2 Version 5  
Chandra X-Ray Center

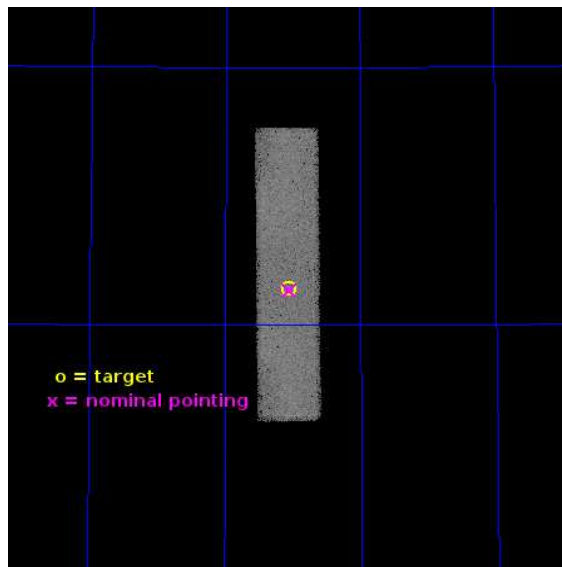
L2 Processing Date : Jun 28 2013

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# 1 Front

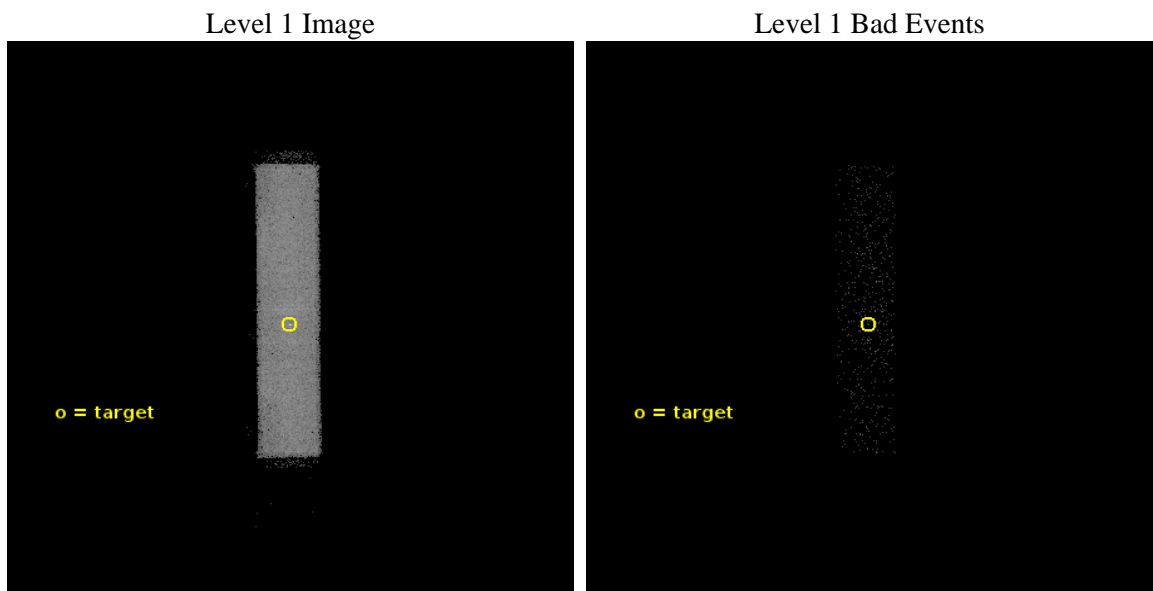
seq_num	400437	Sequence number
obs_id	5507	Observation id
title	Precise Localization of Neutron Star Soft X-ray Transients	Proposa
observer	Prof. Deepto Chakrabarty	Principal investigator
object	IGR J00291+5934	Source name
ra_targ	7.26275	Observer's specified target RA [deg]
dec_targ	59.571944	Observer's specified target Dec [deg]
ra_nom	7.2622597339289	Nominal RA [deg]
dec_nom	59.568143479455	Nominal Dec [deg]
roll_nom	269.48927686508	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1042.6812969446	[s]
livetime	1032.4481592995	Ontime multiplied by DTCOR
l2events	68778	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	1042.6812969446	[s]
caldsver	4.5.7	&#160	l1events	90927	Number of level 1 events
date	2013-06-29T02:51:44	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

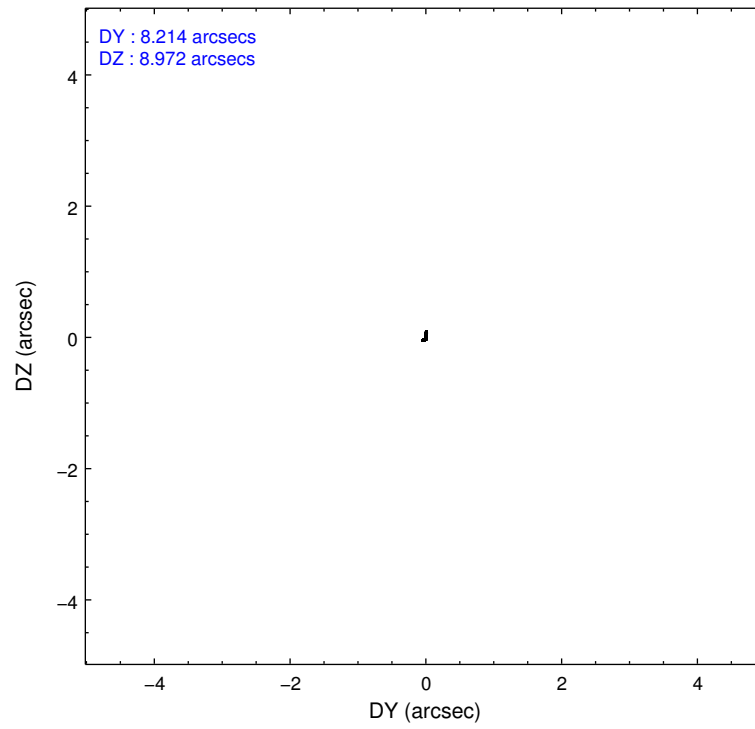
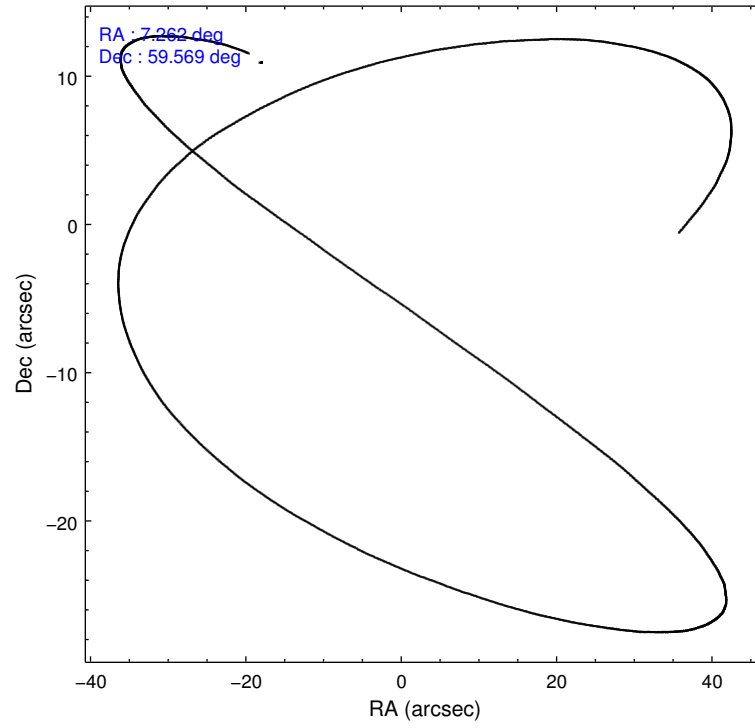
Level 1 Events

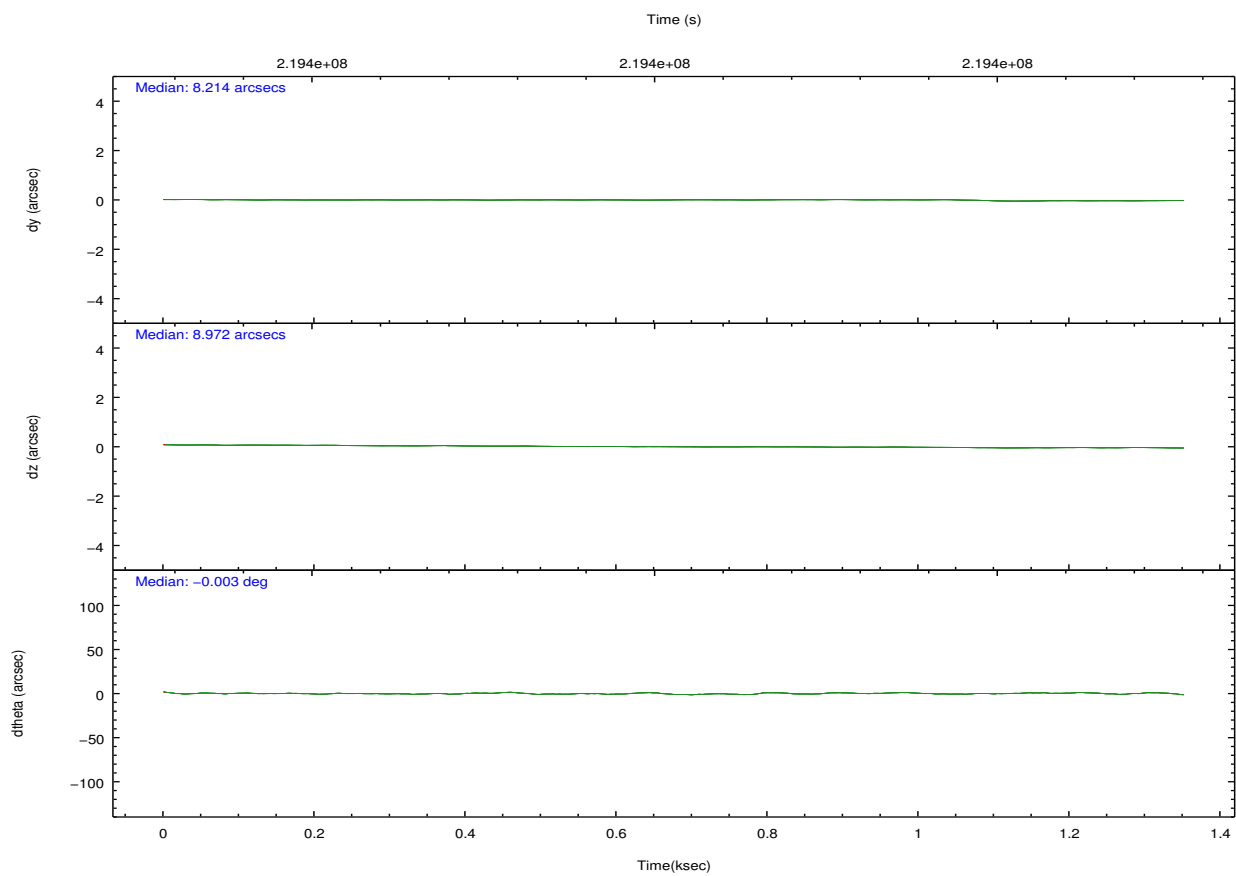
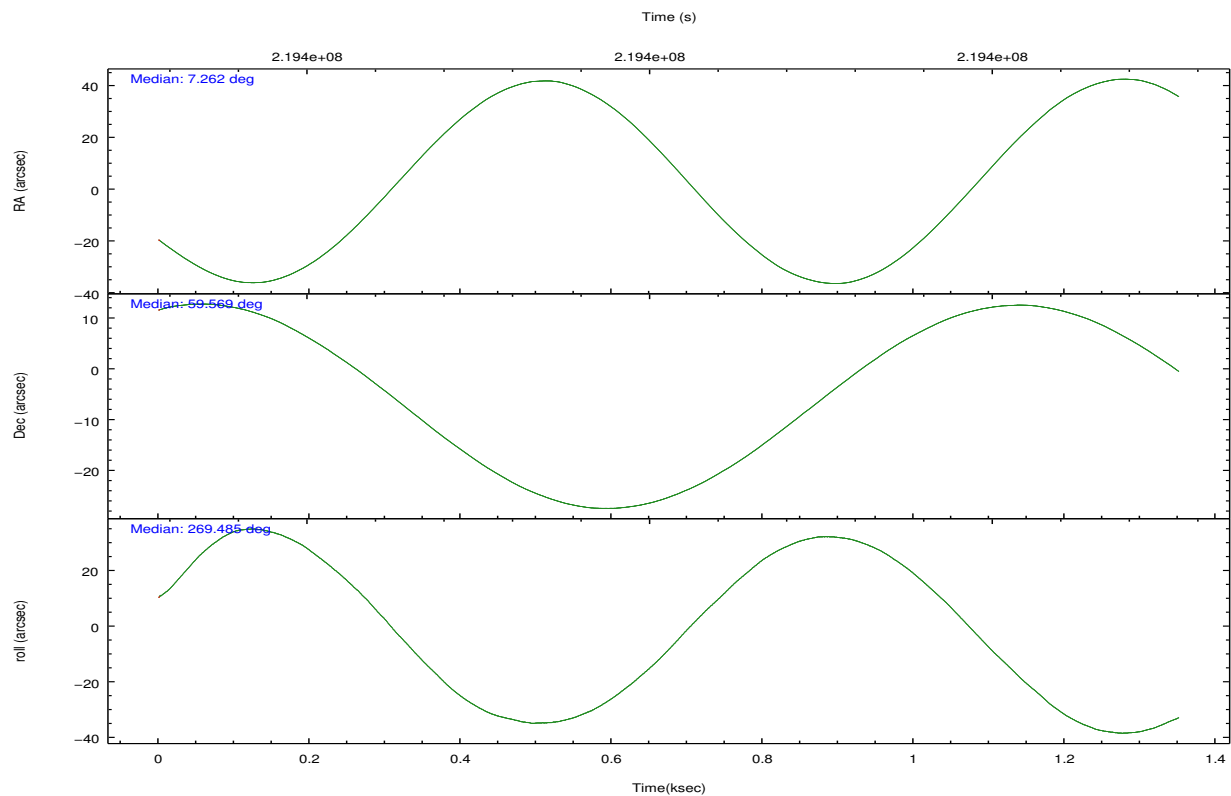
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	79	90835	13
rejected events	5	3859	13
rejected %	6%	4%	100%

## 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	7.232184	7.262259733928865			
[deg] Pointing Dec	59.591426	59.56814347945532			
[deg] Pointing Roll	269.447855	269.4892768650755			
[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)	219399200.184000	219398558.63076			
Observation start date	2004-12-14T08:12:16	2004-12-14T08:02:38			
[s] Observation end time (MET)	219400200.184000	219400864.36836			
Observation end date	2004-12-14T08:28:56	2004-12-14T08:41:04			

## 2.3 Aspect





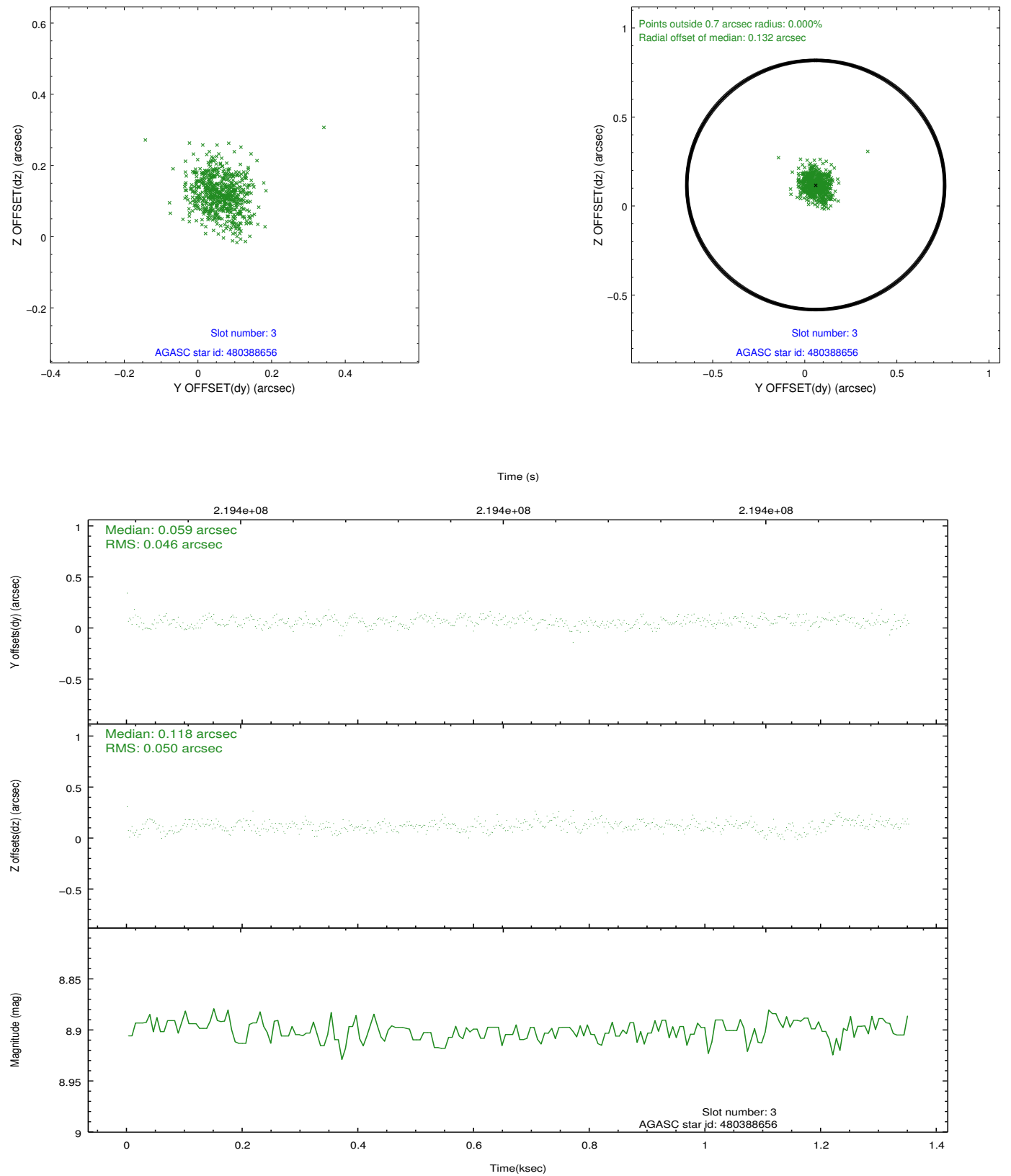
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	330	0.145	-0.165	0.007	0.011	0.000000	0.000000	-1162.38	-457.64
1	FID	HRC-S-2	7.01	330	0.144	-0.113	0.005	0.009	0.000000	0.000000	1233.78	-451.62
2	FID	HRC-S-3	7.03	330	0.101	-0.024	0.007	0.011	0.000000	0.000000	-1161.40	570.66
3	GUIDE	480388656	8.90	660	0.059	0.118	0.072	0.116	6.593066	59.181927	1483.38	-1163.75
4	GUIDE	480512040	7.89	660	-0.080	-0.261	0.053	0.090	7.309429	59.469475	443.10	144.07
5	GUIDE	480513376	8.59	660	0.226	-0.002	0.062	0.099	7.508901	59.105688	1746.83	529.25
6	GUIDE	480518776	8.14	660	-0.094	0.013	0.073	0.118	8.537557	59.899306	-1148.41	2346.54
7	GUIDE	526276608	8.59	659	-0.111	0.134	0.060	0.111	7.524994	60.151139	-2019.61	509.35

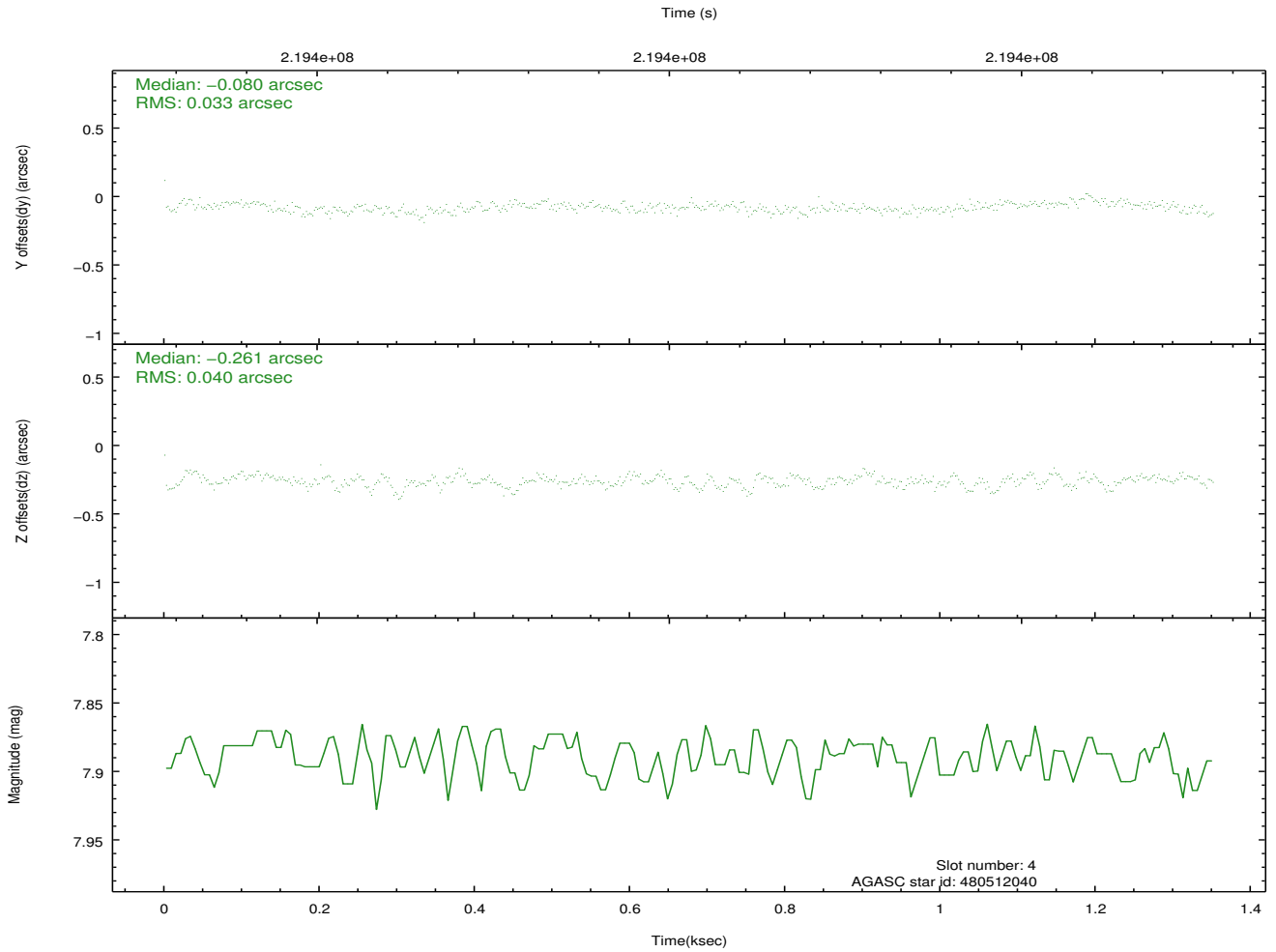
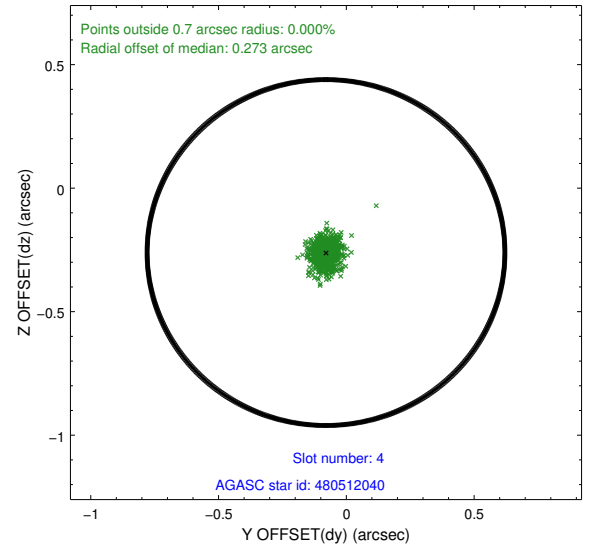
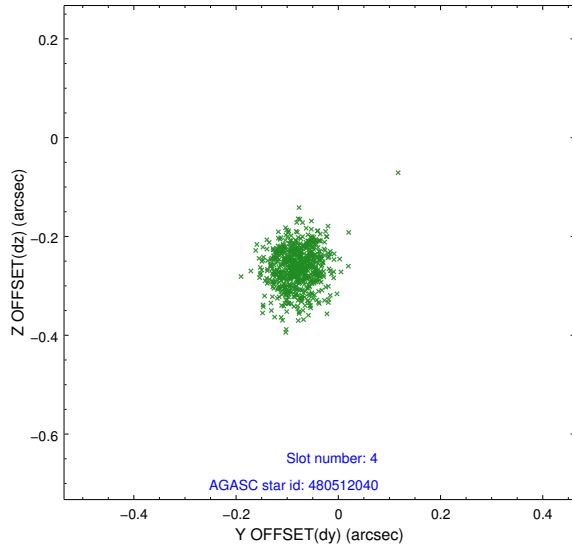


## 2.4 Star Slots

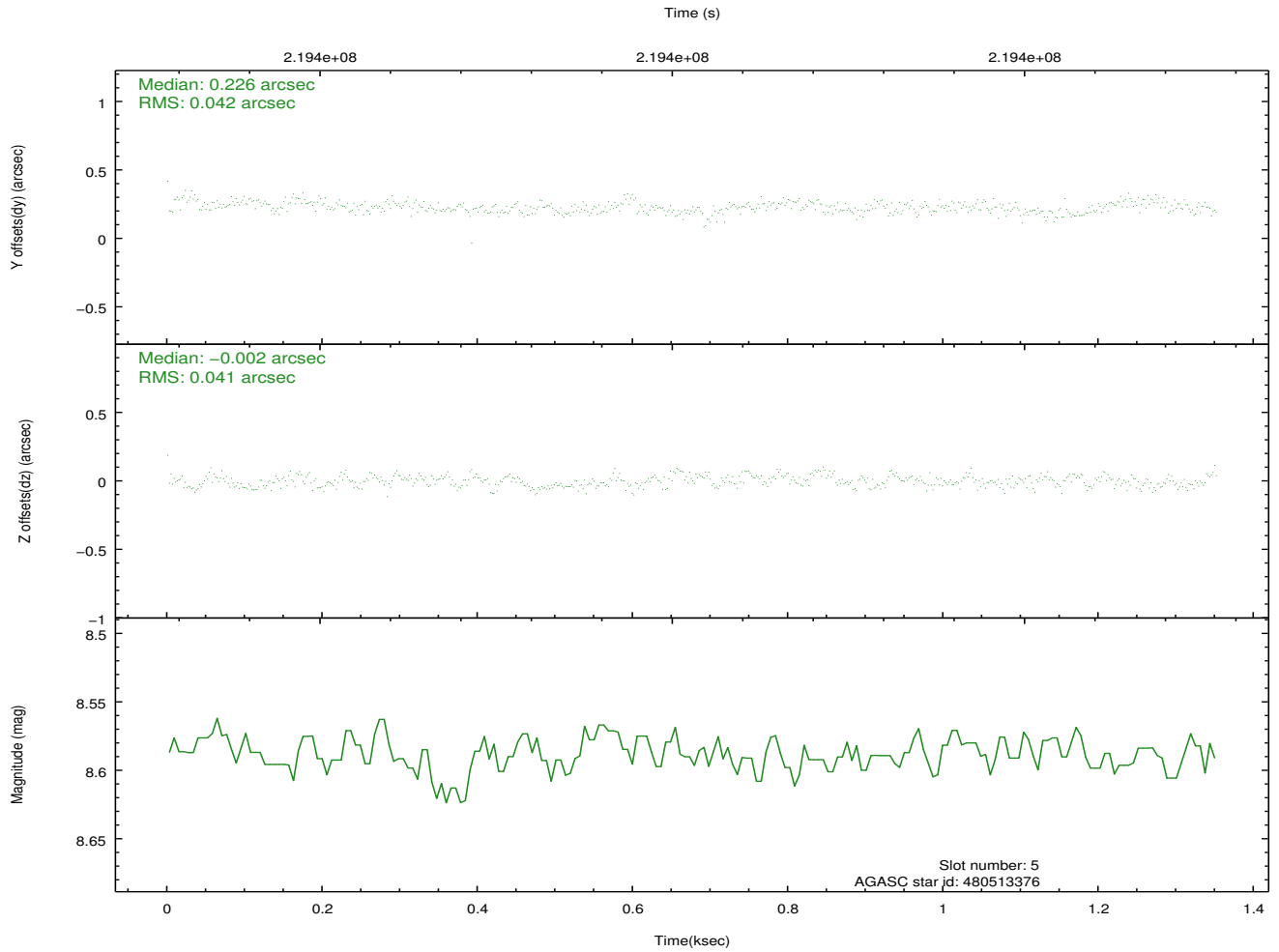
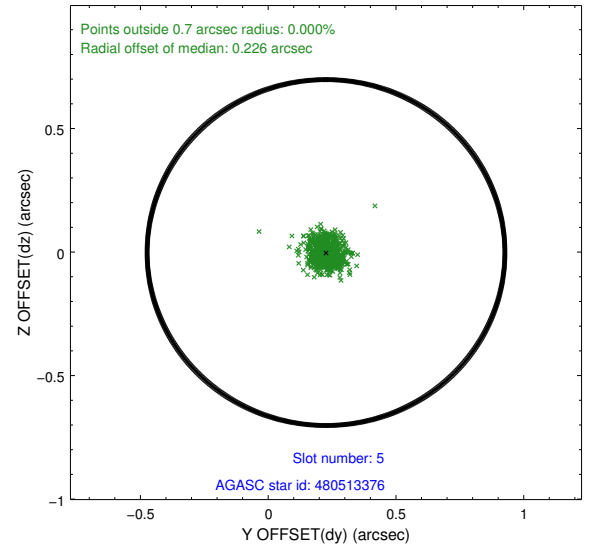
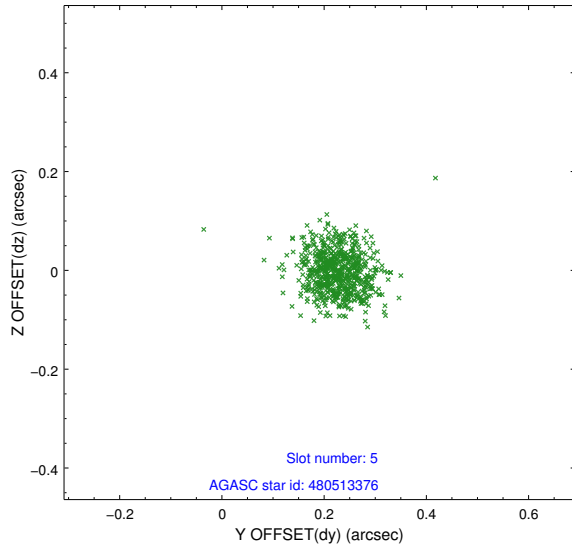
### 2.4.1 Slot 3



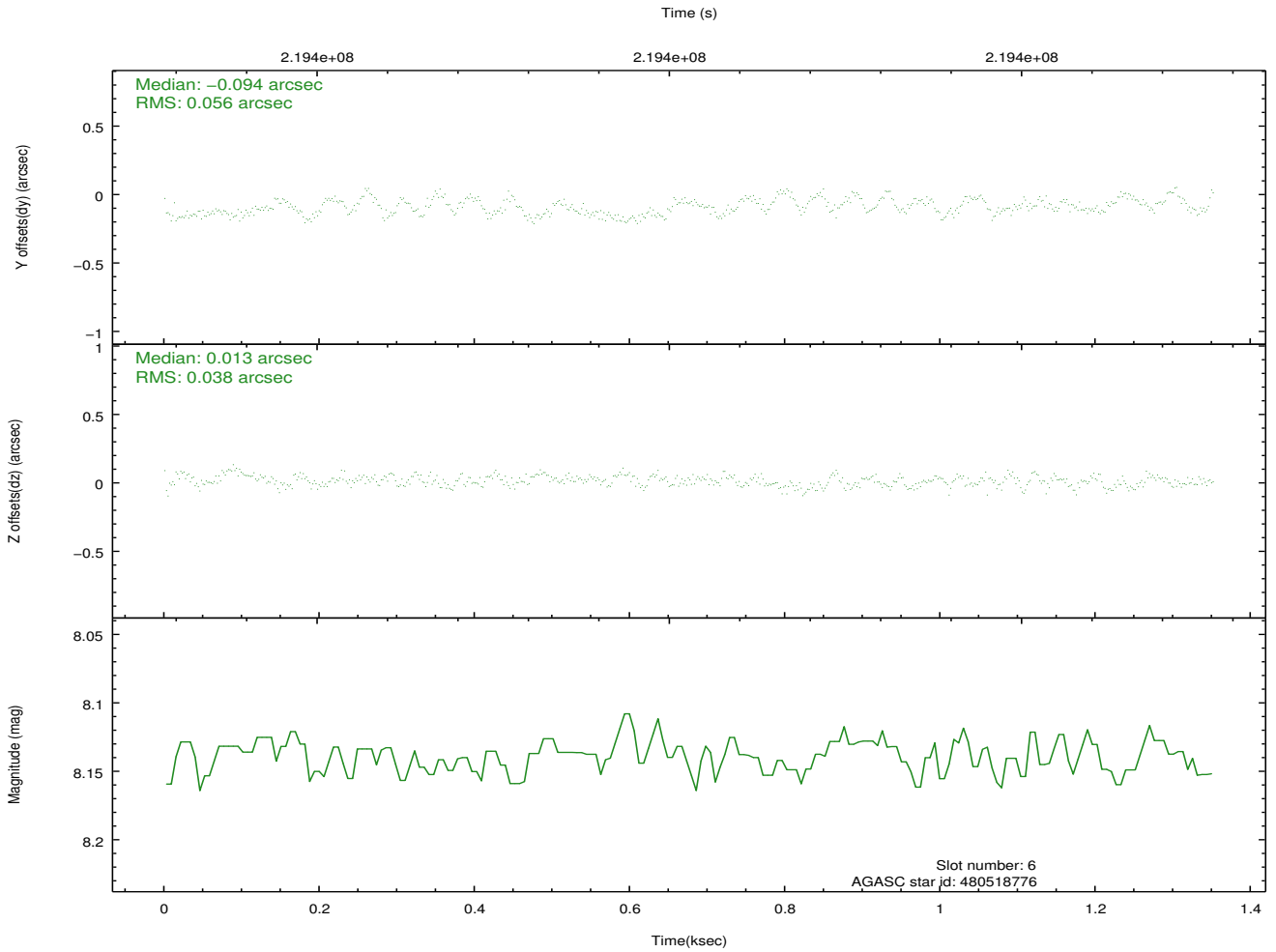
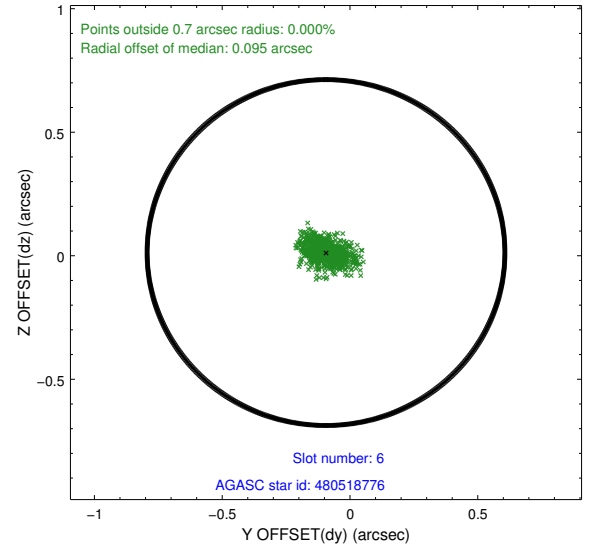
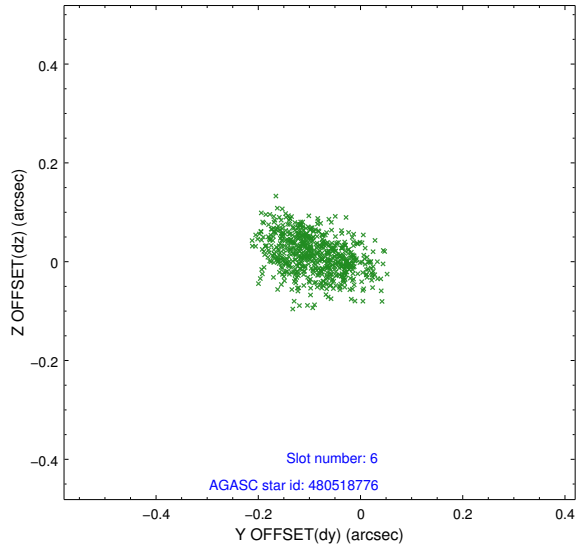
## 2.4.2 Slot 4



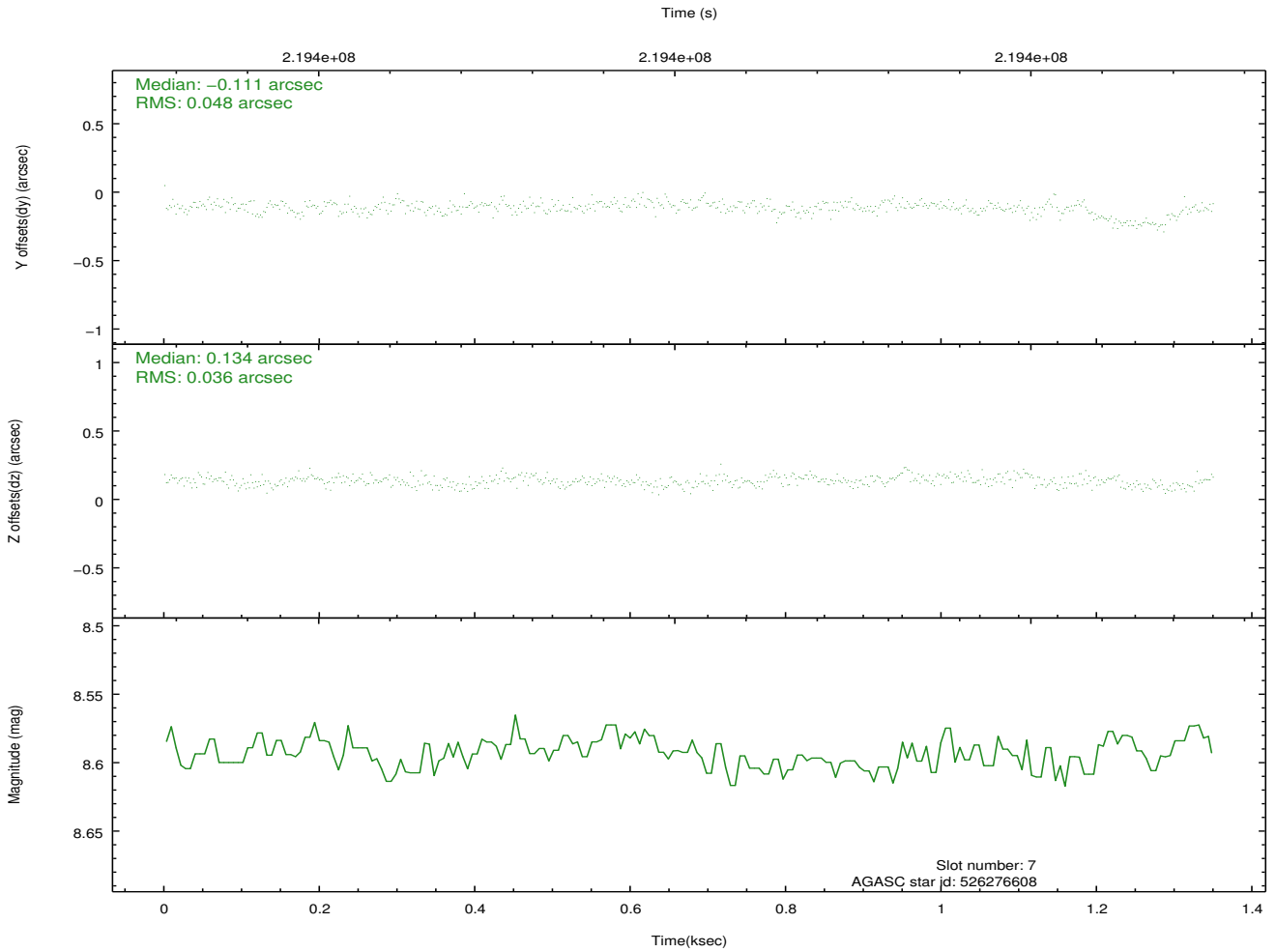
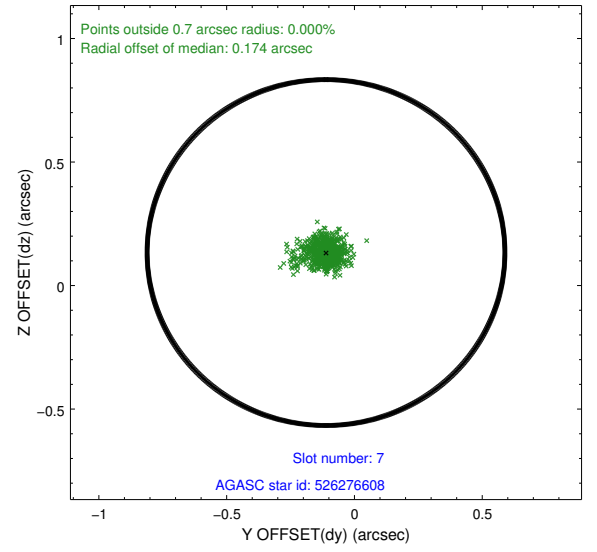
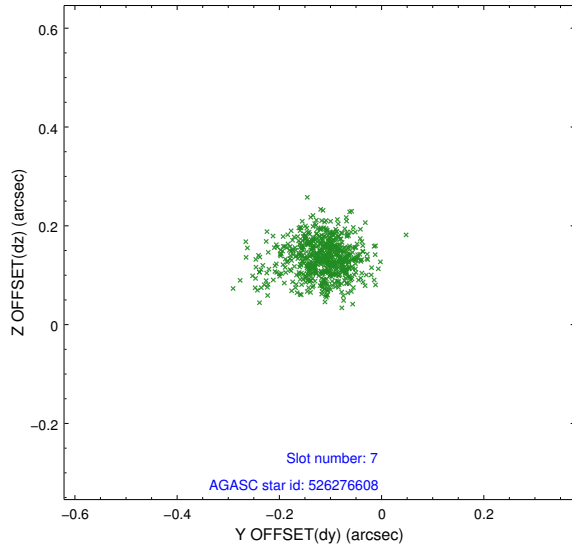
### 2.4.3 Slot 5



## 2.4.4 Slot 6

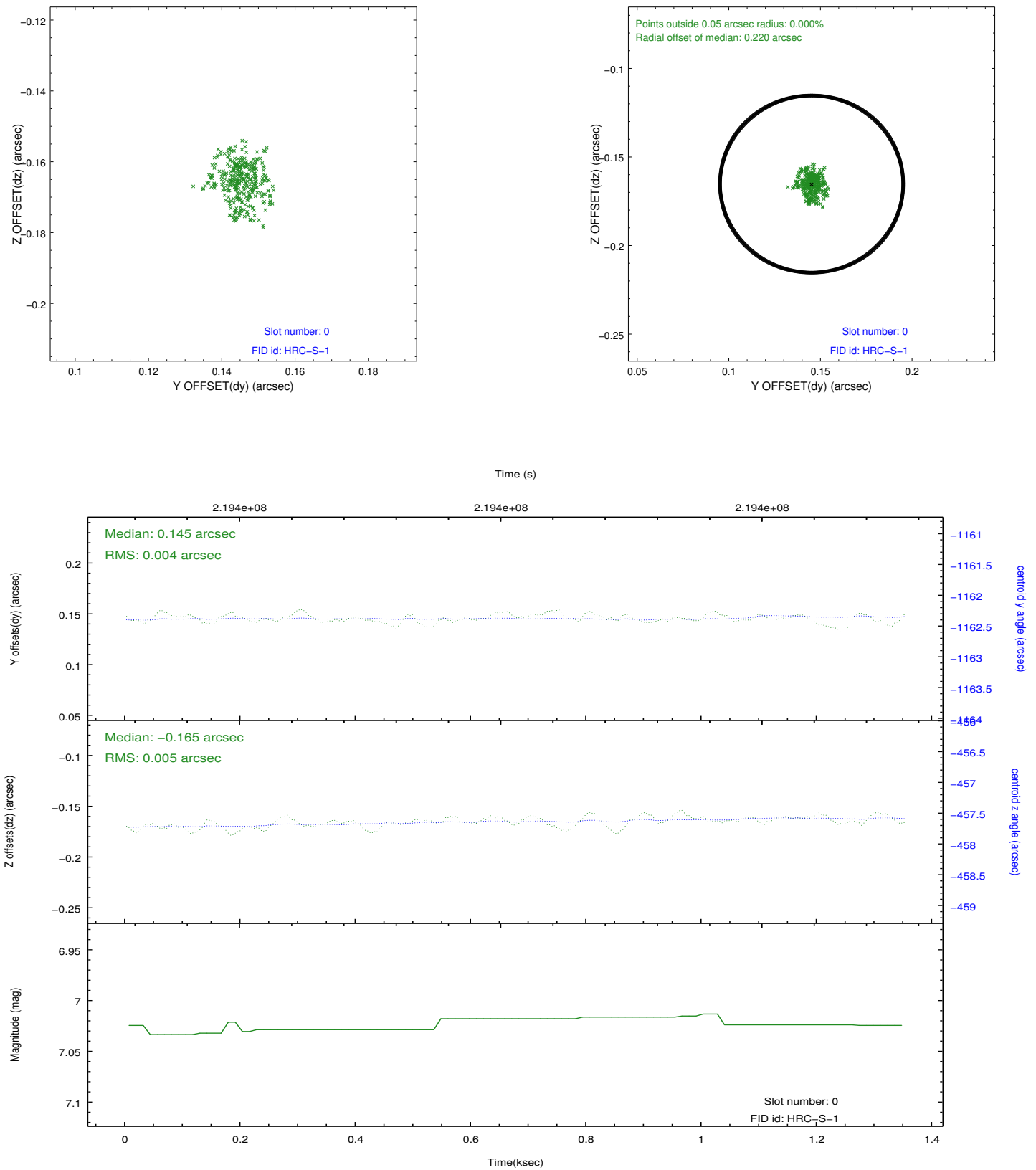


## 2.4.5 Slot 7

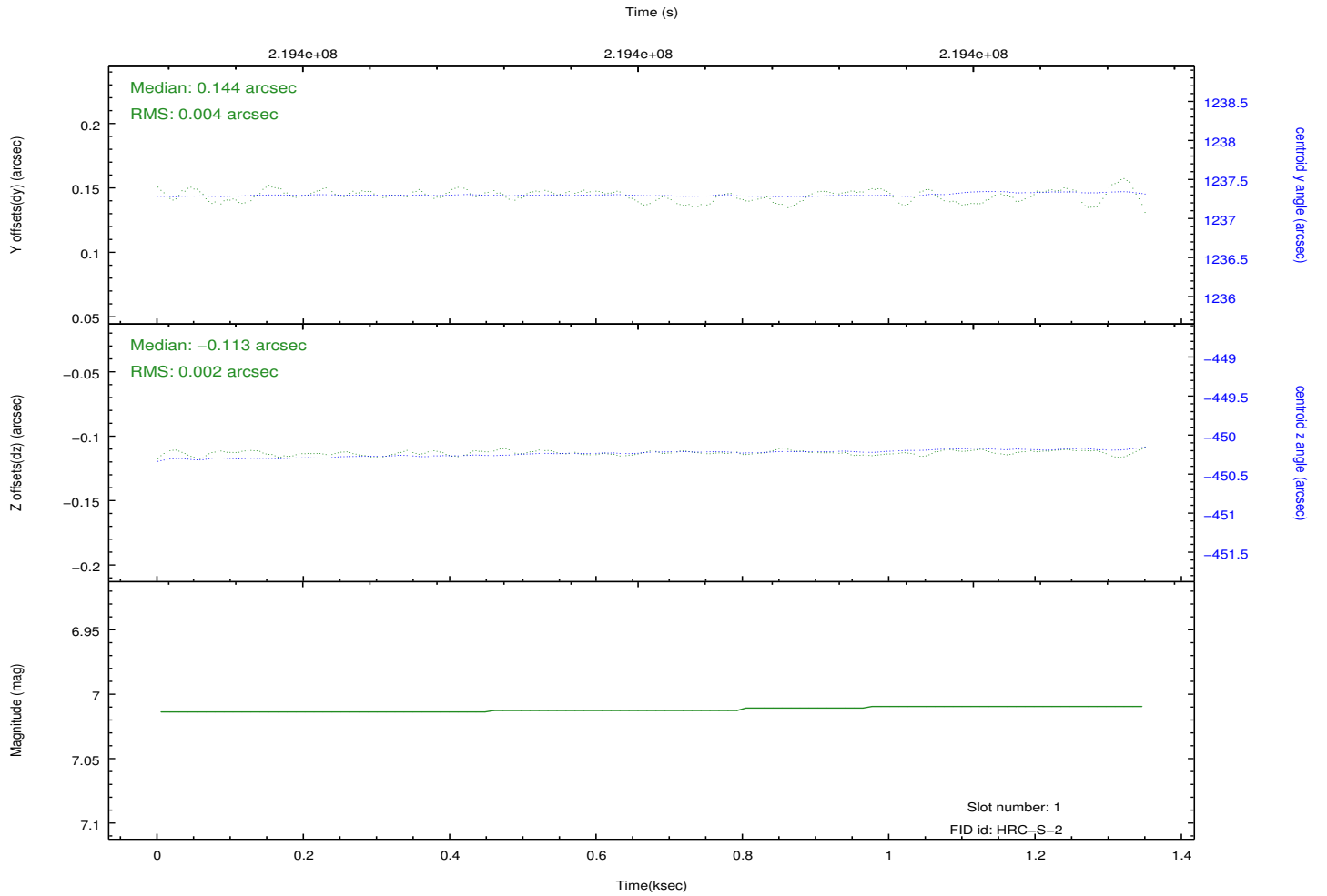
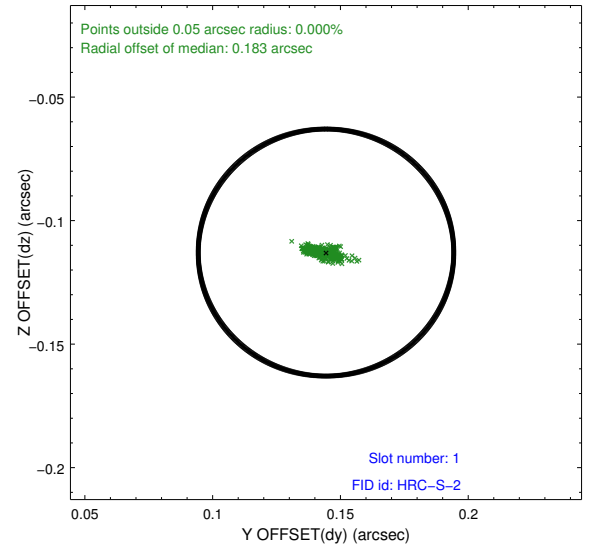
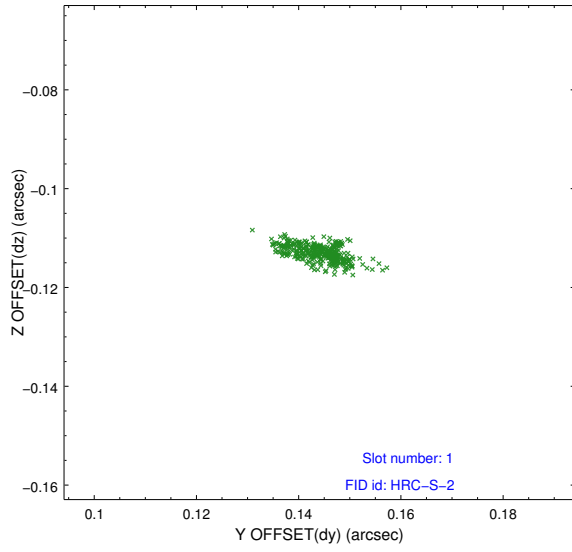


## 2.5 FID Slots

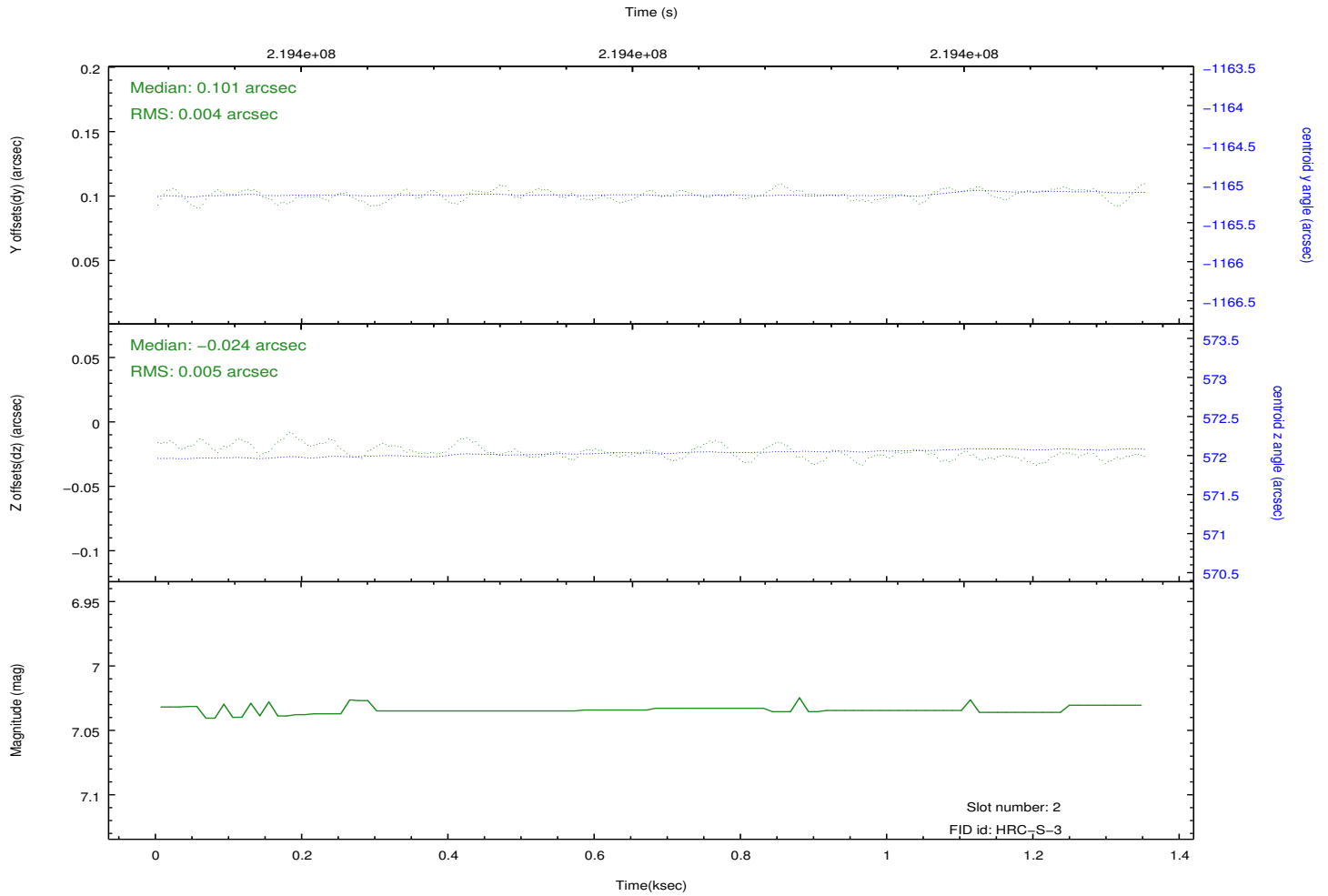
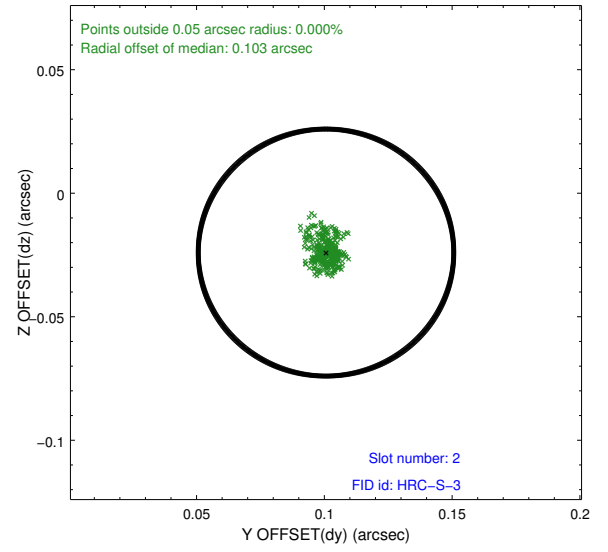
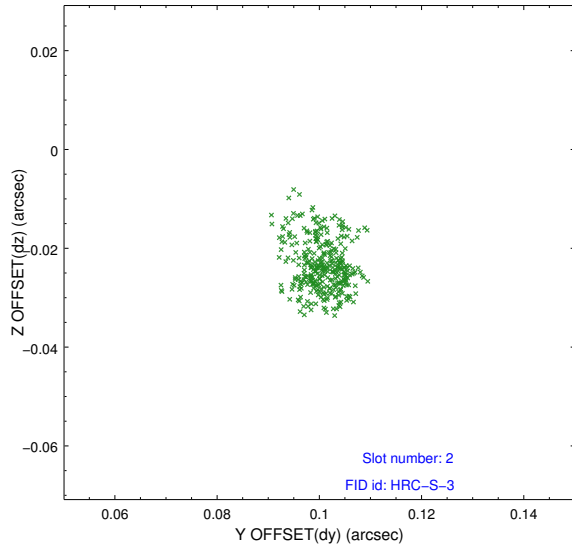
### 2.5.1 Slot 0



## 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)	2013.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.042681

### A.2 Comments