

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 721 - L2 Version 6  
Chandra X-Ray Center

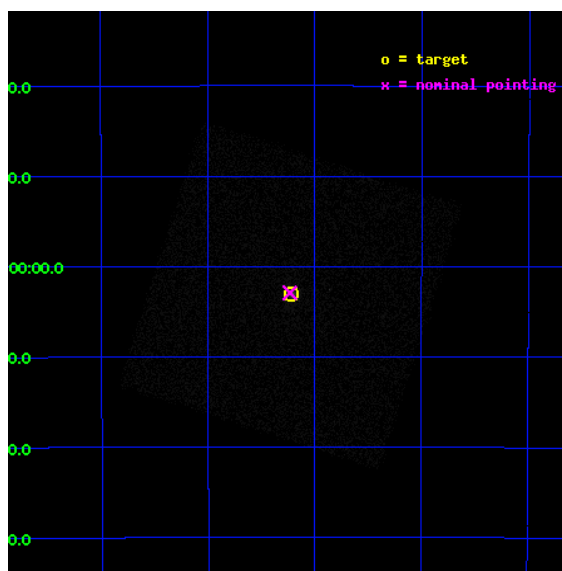
L2 Processing Date : Aug 28 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

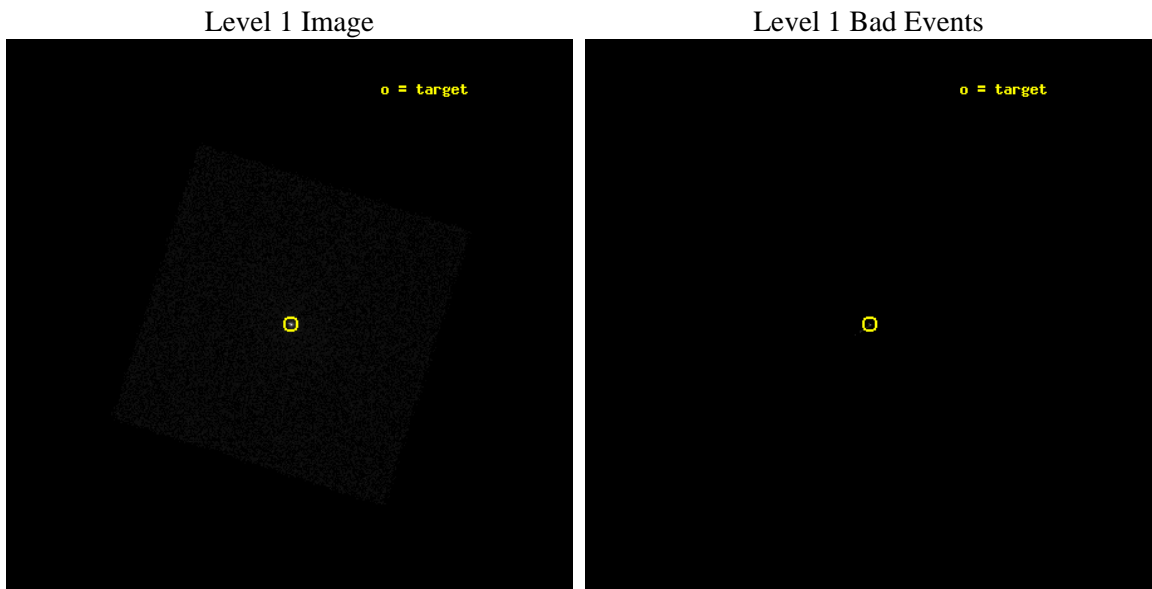
seq_num	400088	Sequence number
obs_id	721	Observation id
title	BRIGHT LMXB GLOBULAR CLUSTER SURVEY: NATURE, MASSES AND CLUSTER DYNAMICS	Proposal title
observer	Professor Johnathan Grindlay	Principal investigator
object	NGC 6441	Source name
ra_targ	267.55375	Observer's specified target RA [deg]
dec_targ	-37.051722	Observer's specified target Dec [deg]
ra_nom	267.55812500525	Nominal RA [deg]
dec_nom	-37.048697714132	Nominal Dec [deg]
roll_nom	62.73503134309	Nominal Roll [deg]
revision	6	Processing version of data
ontime	2305.2250847071	[s]
livetime	2290.0375535225	Ontime multiplied by DTCOR
l2events	111803	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	2100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2305.2250847071	[s]
caldbver	4.5.1.1	&#160	l1events	167542	Number of level 1 events
date	2012-08-28T04:22:50	Date and time of file creation			
revision	6	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

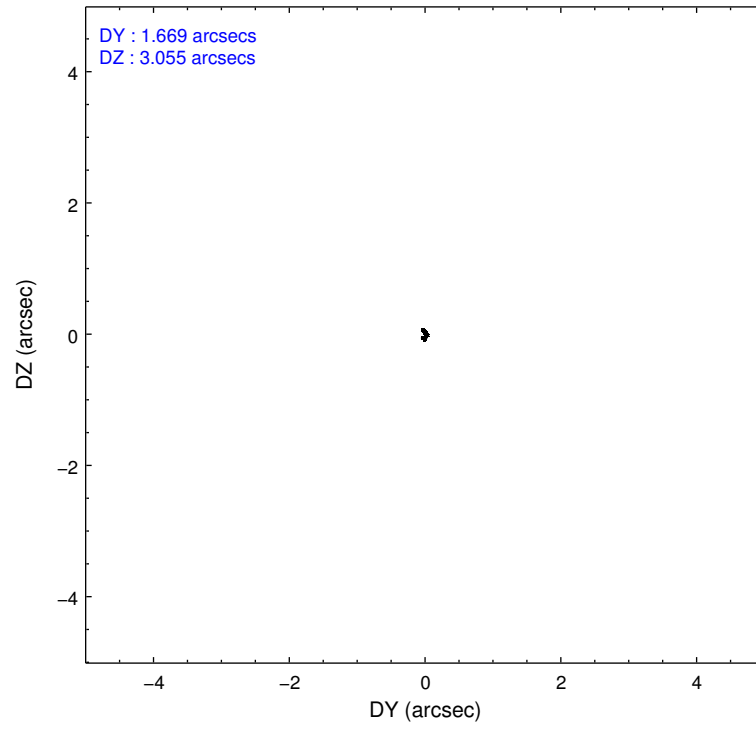
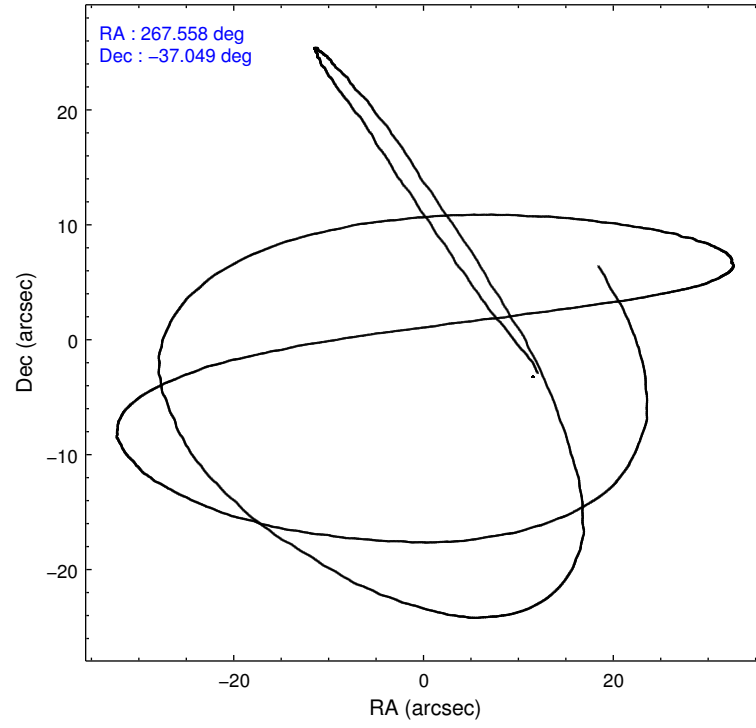
	<b>segment 0</b>
level 1 events	167542
rejected events	22712
rejected %	13%

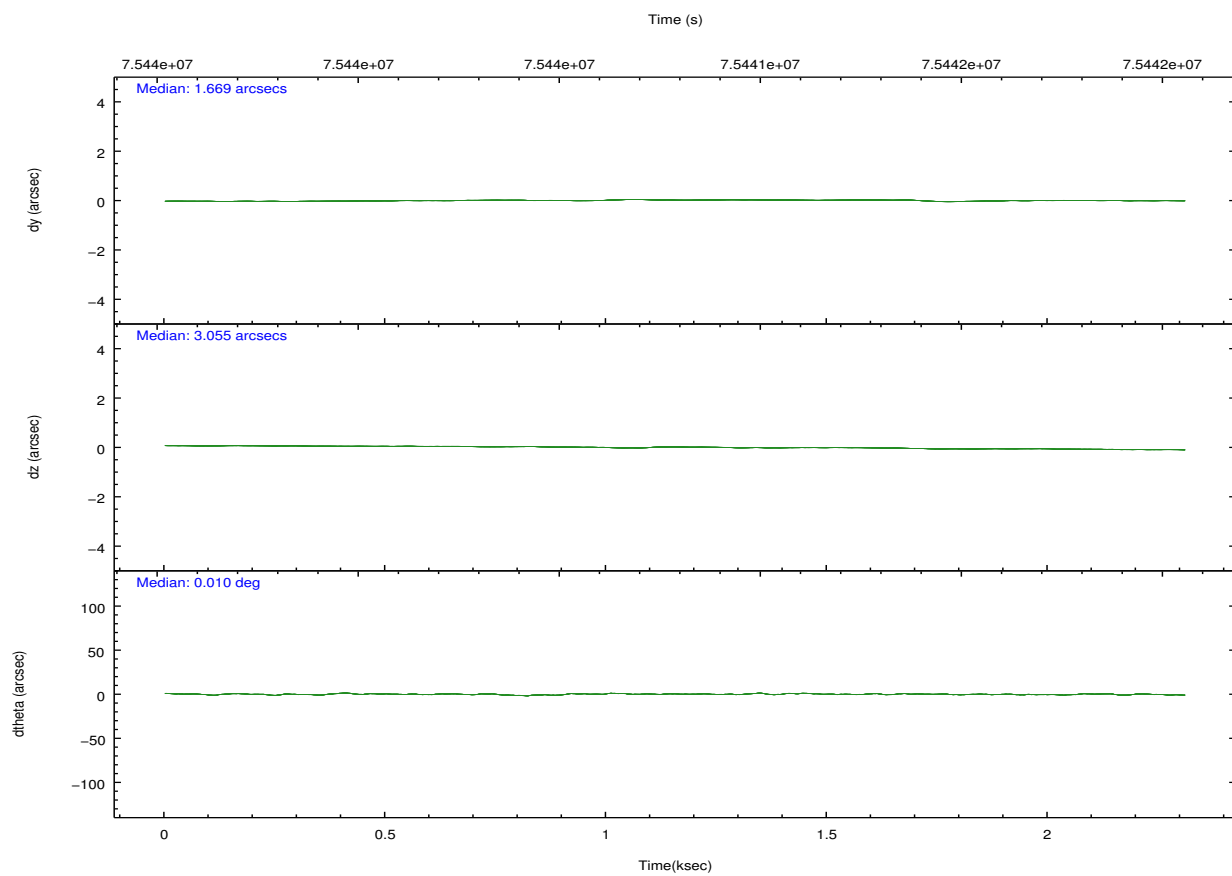
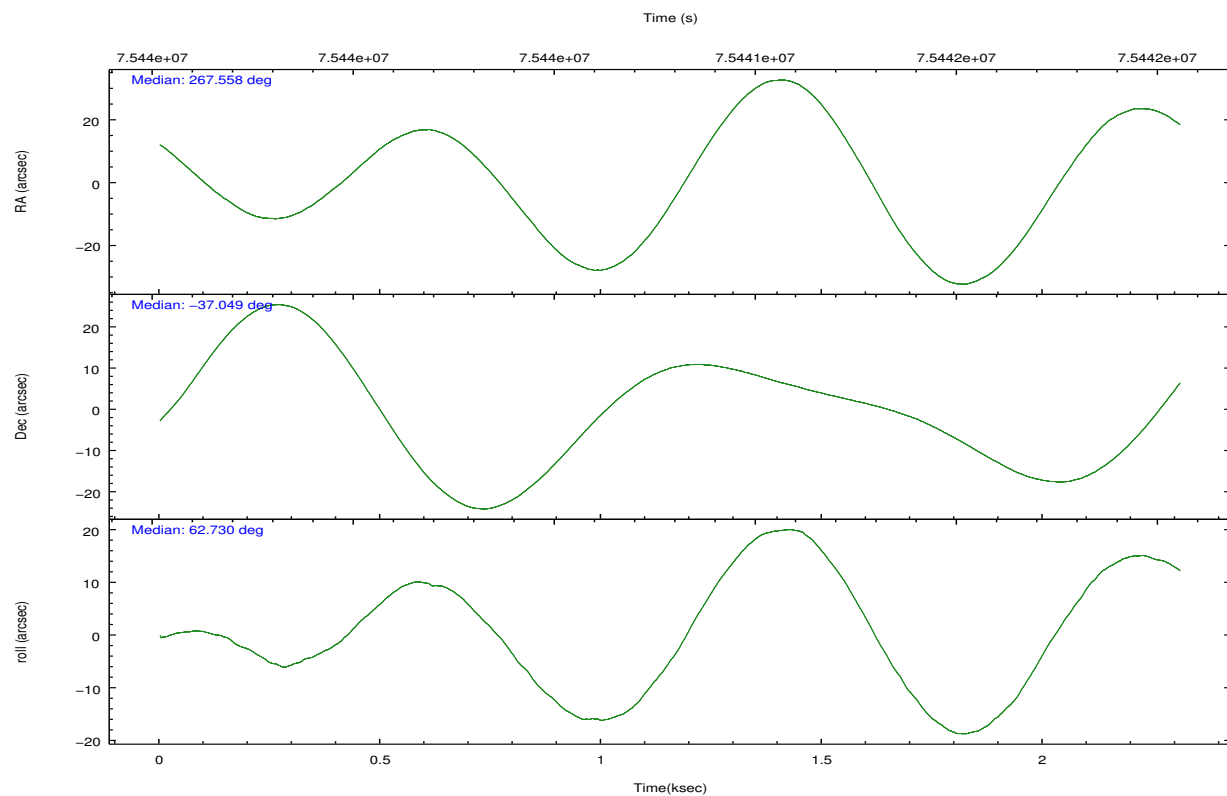
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	267.560153	267.5581250052466
[deg] Pointing Dec	-37.076083	-37.04869771413242
[deg] Pointing Roll	62.831731	62.73503134308991
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	75439845.184000	75439194.341098
Observation start date	2000-05-23T03:29:41	2000-05-23T03:19:54
[s] Observation end time (MET)	75441945.184000	75442419.50371701
Observation end date	2000-05-23T04:04:41	2000-05-23T04:13:39

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

## 2.3 Aspect





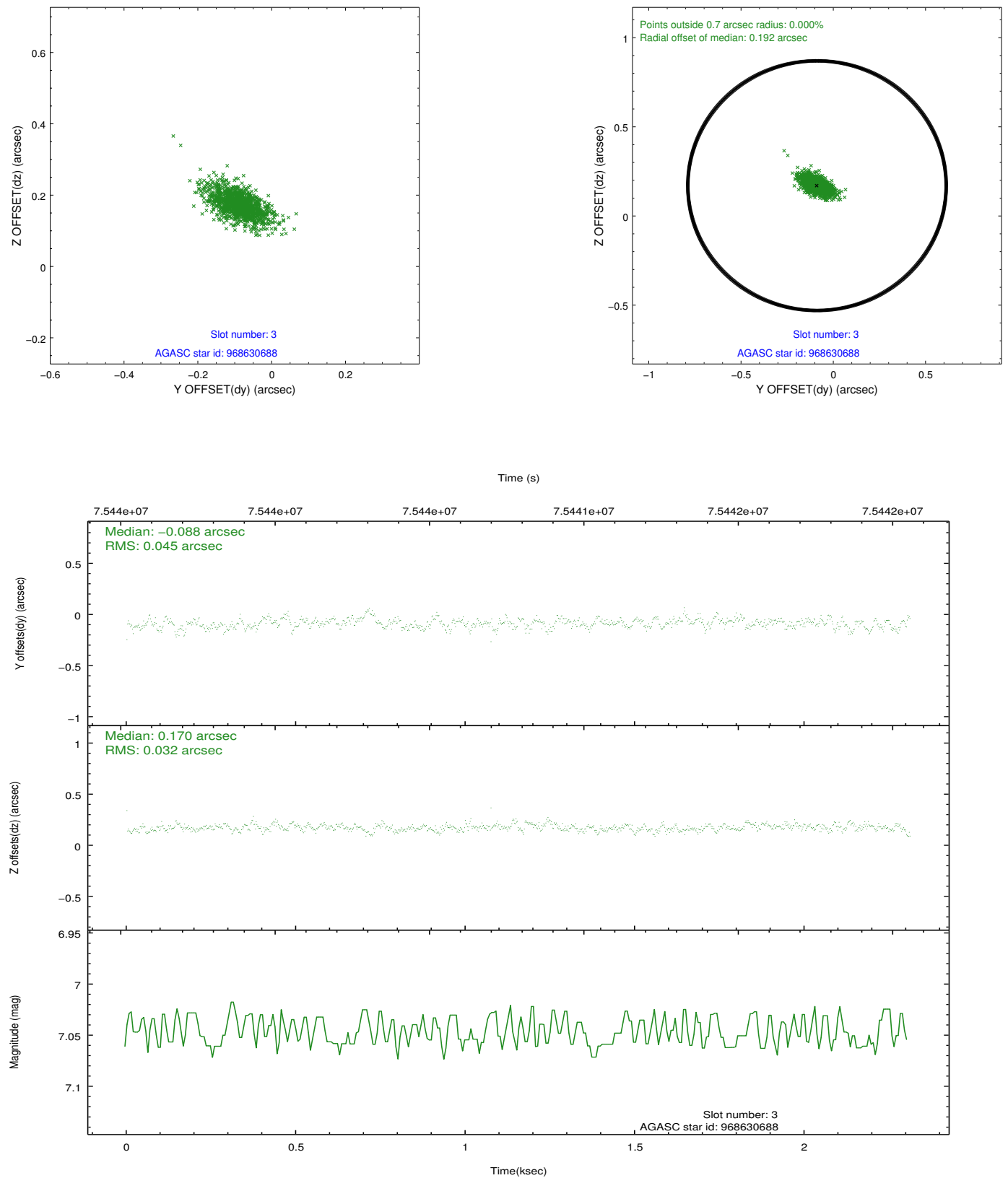
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	564	0.068	0.027	0.007	0.013	0.000000	0.000000	-757.07	-1290.79
1	FID	HRC-I-3	7.03	564	0.030	-0.047	0.008	0.020	0.000000	0.000000	-1186.89	1011.42
2	FID	HRC-I-4	6.98	564	0.016	-0.069	0.006	0.013	0.000000	0.000000	1283.62	1013.03
3	GUIDE	968630688	7.05	1128	-0.088	0.170	0.055	0.101	268.313872	-37.080057	969.10	-1936.00
4	GUIDE	968503272	7.85	1128	-0.184	-0.110	0.069	0.113	267.353683	-36.565699	1363.05	1368.19
5	GUIDE	1033645360	8.10	1128	0.122	0.054	0.075	0.120	267.815704	-37.809705	-2016.26	-1851.87
6	GUIDE	968499400	8.88	1127	-0.075	-0.115	0.074	0.123	267.283292	-36.523299	1402.72	1619.19
7	GUIDE	968496272	9.43	1127	0.228	0.002	0.091	0.147	267.037553	-37.418026	-1778.73	766.82

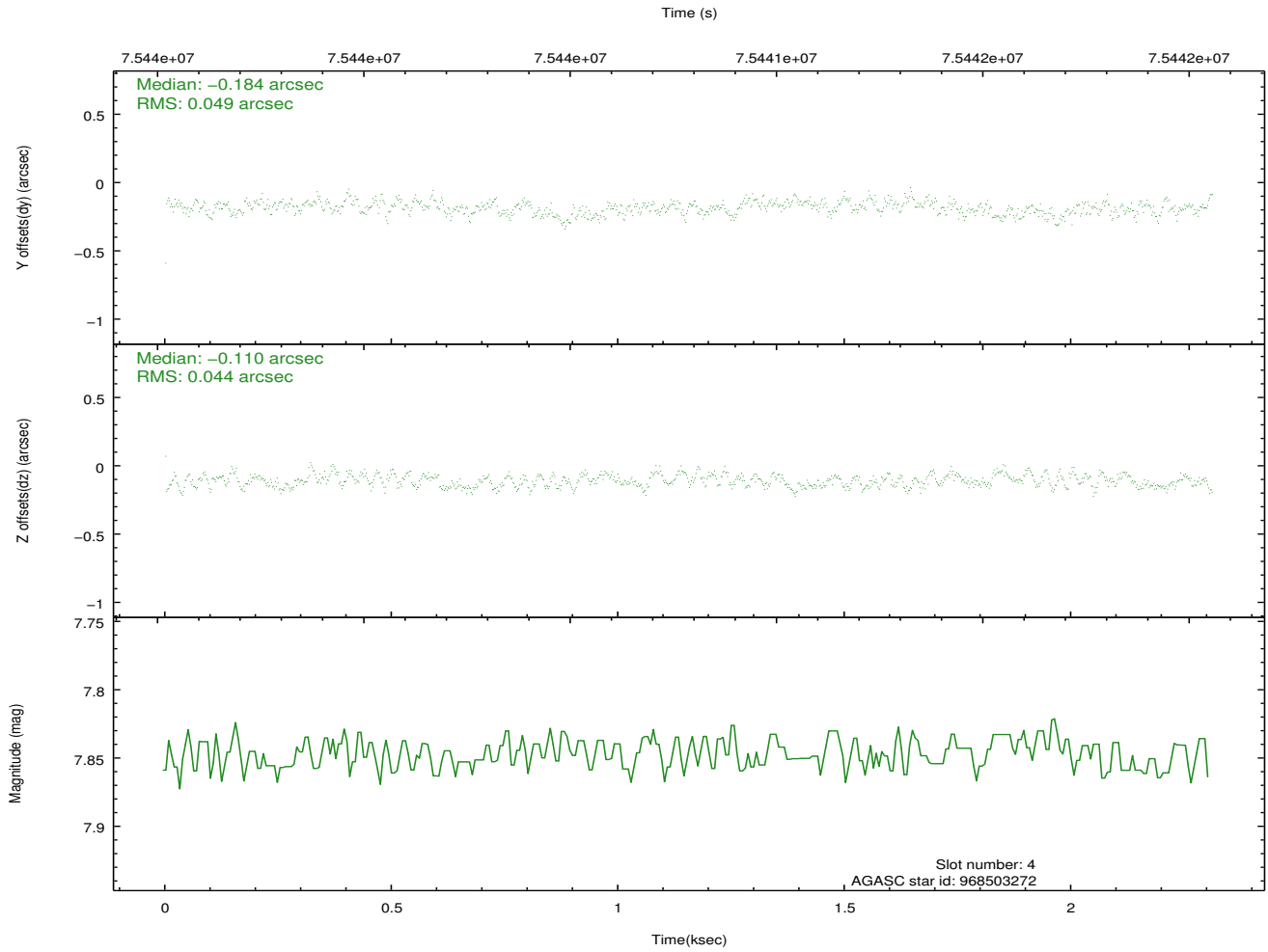
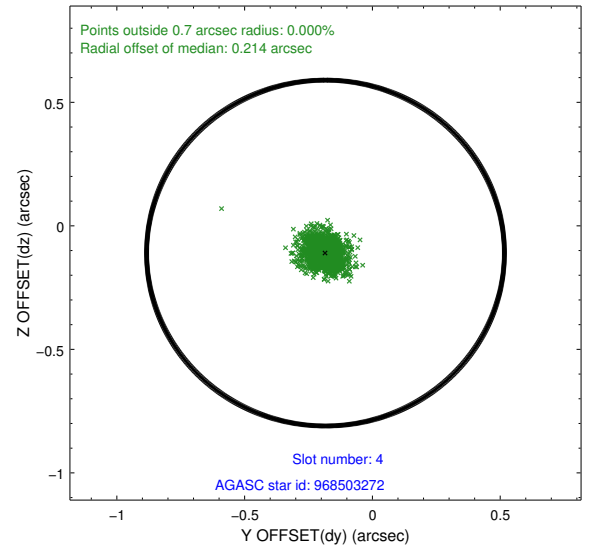
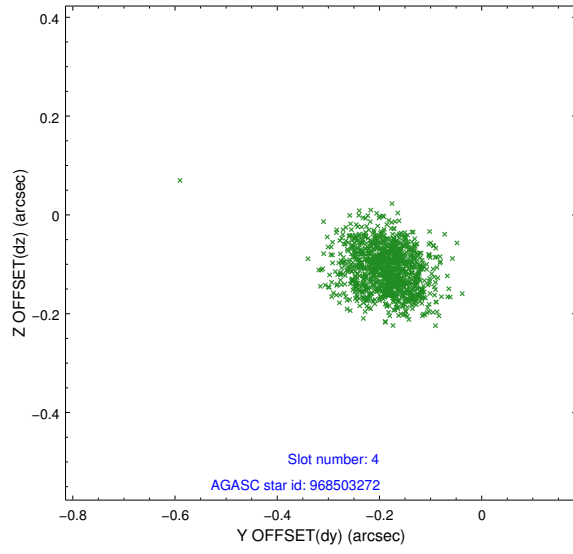


## 2.4 Star Slots

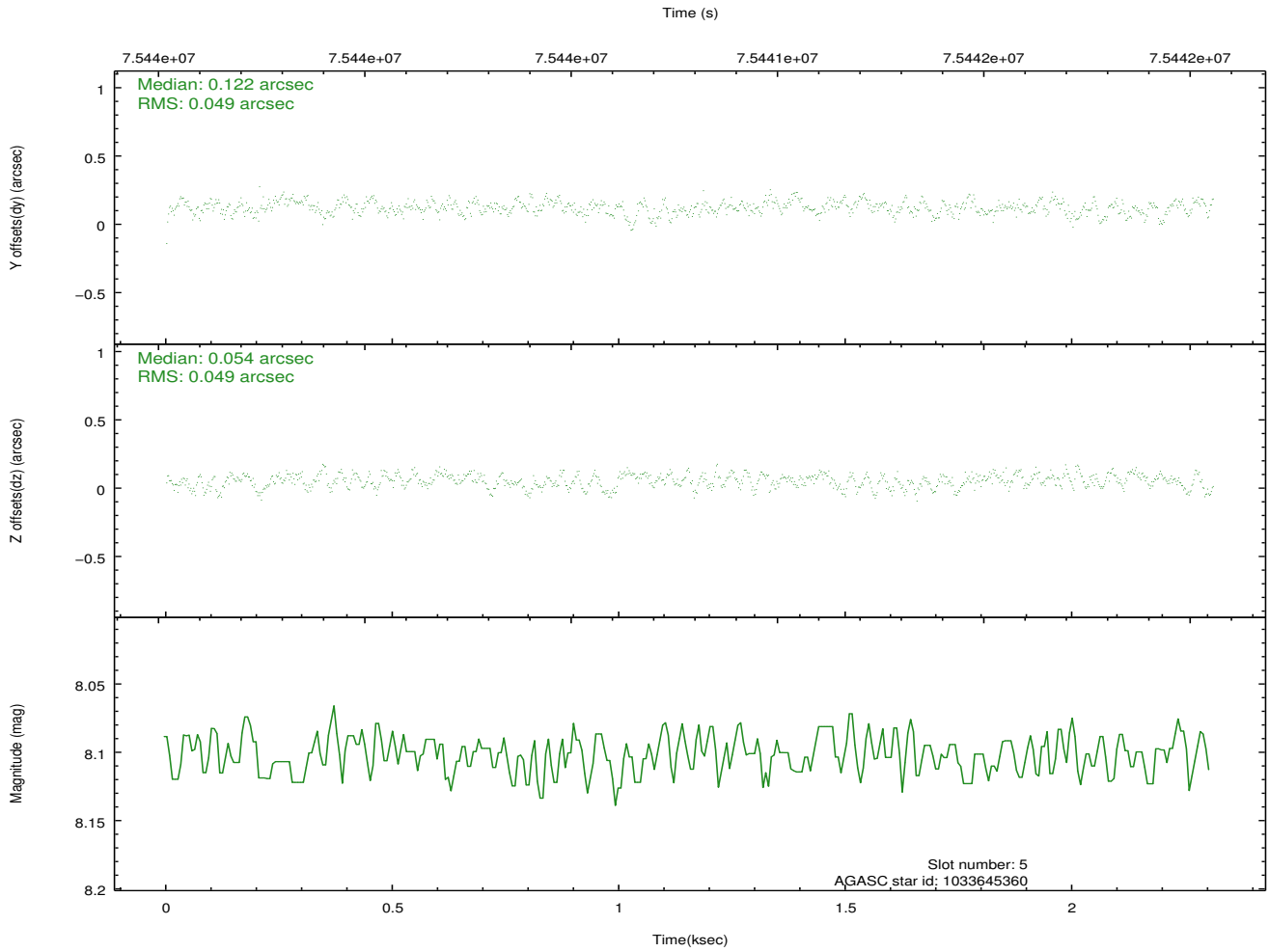
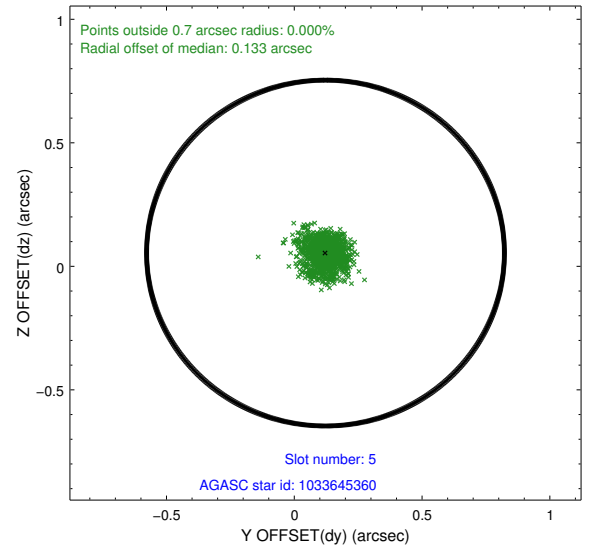
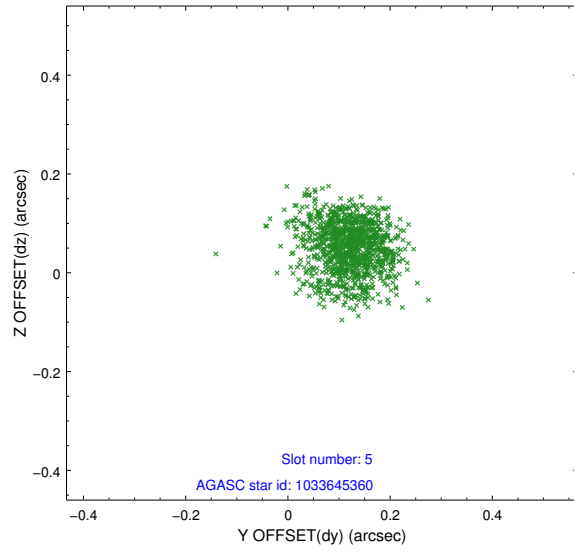
### 2.4.1 Slot 3



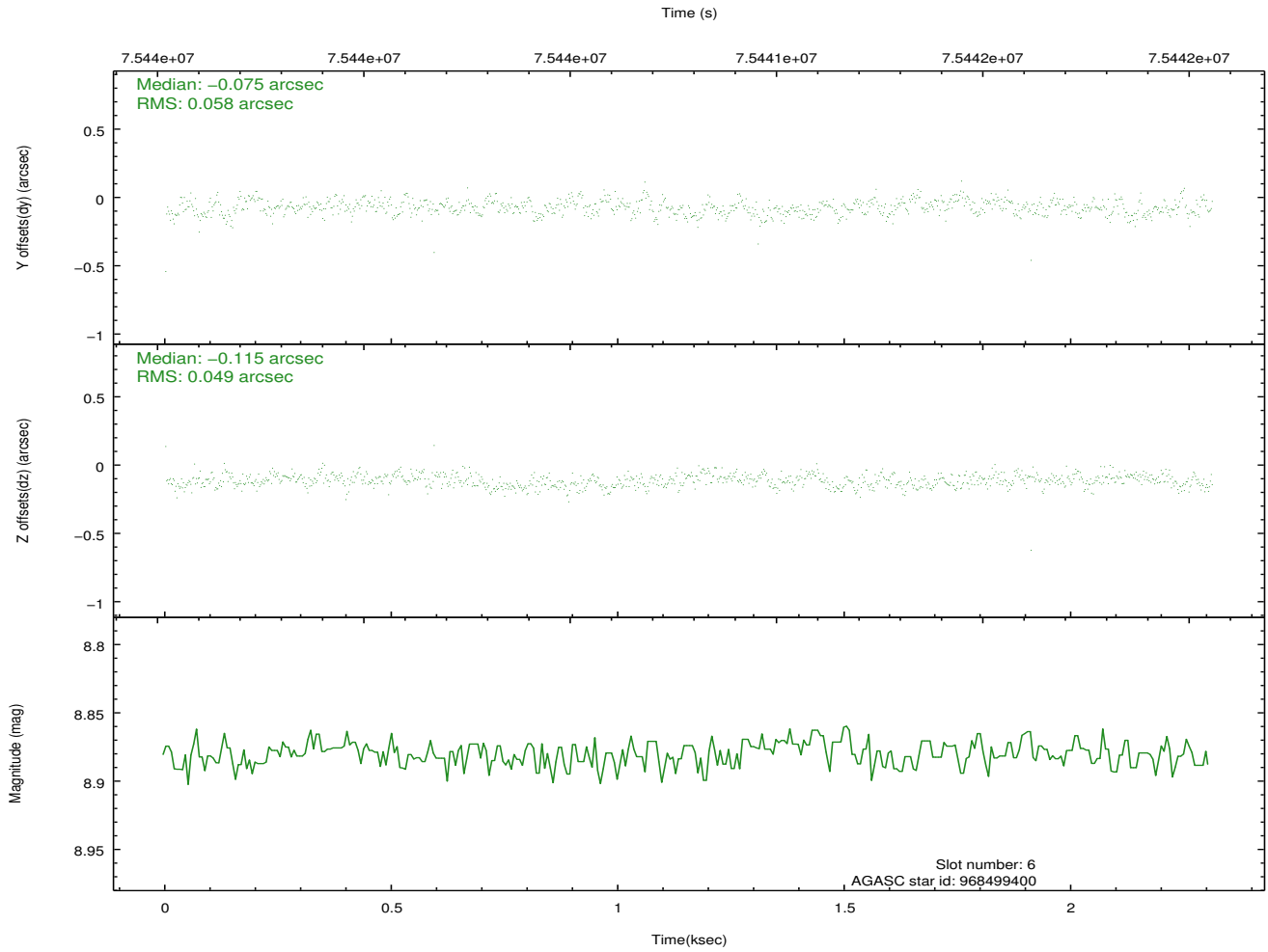
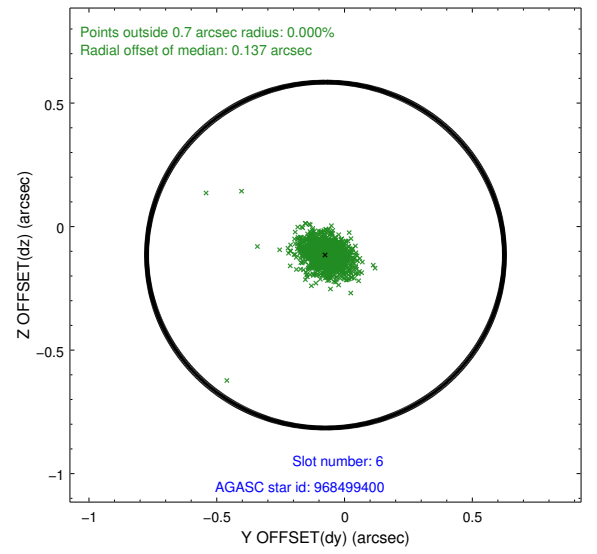
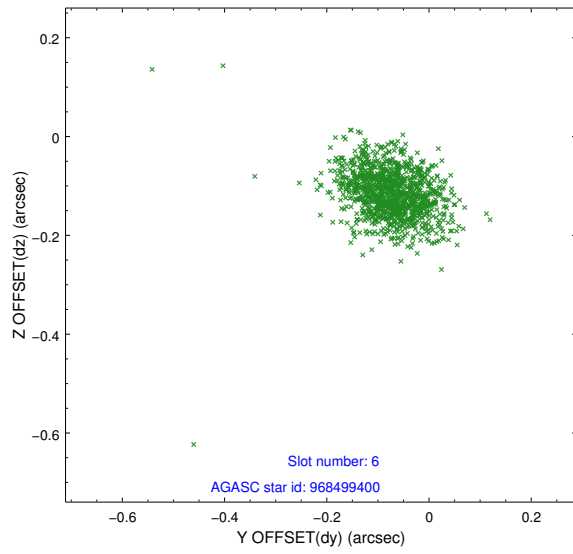
## 2.4.2 Slot 4



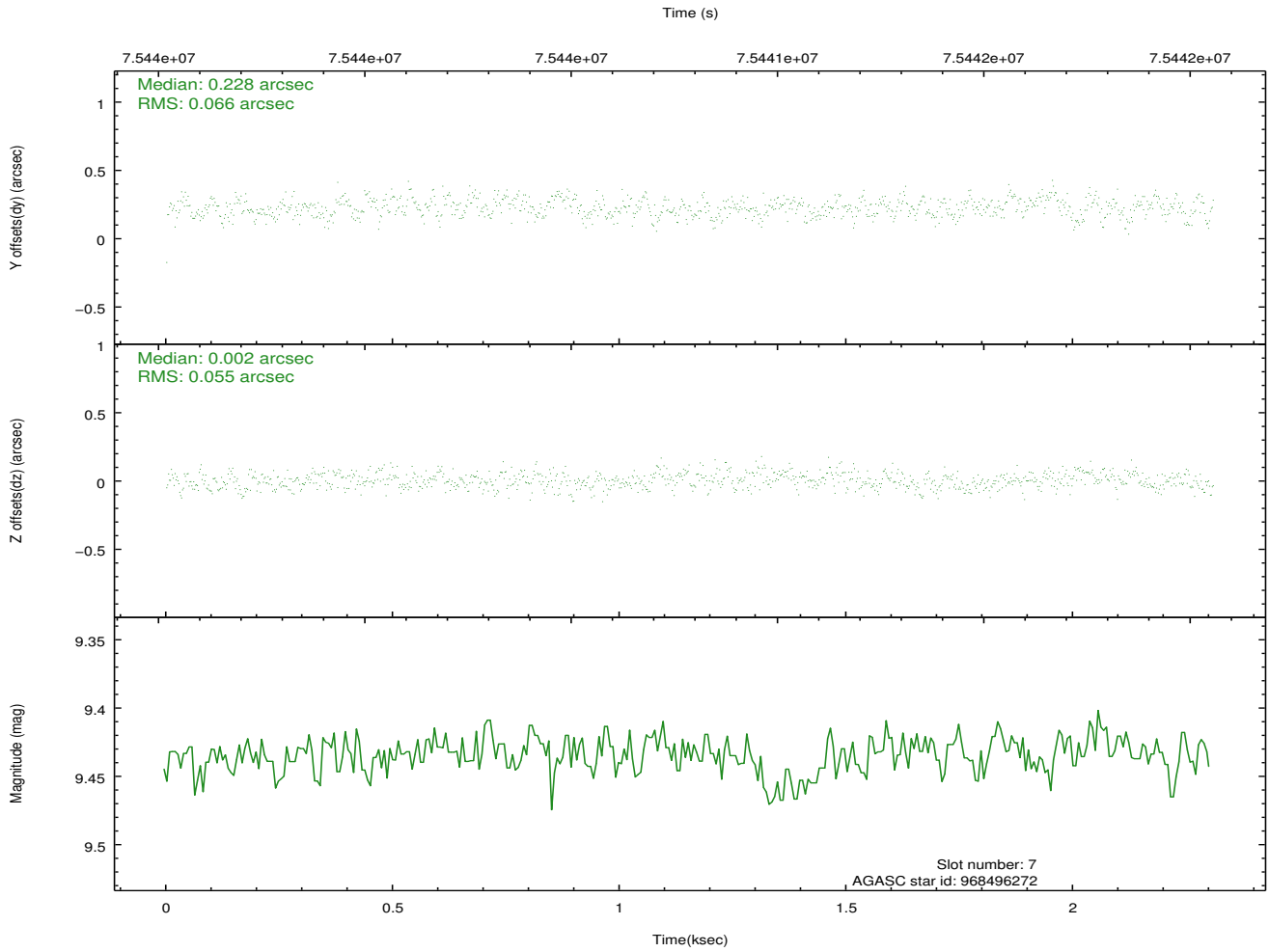
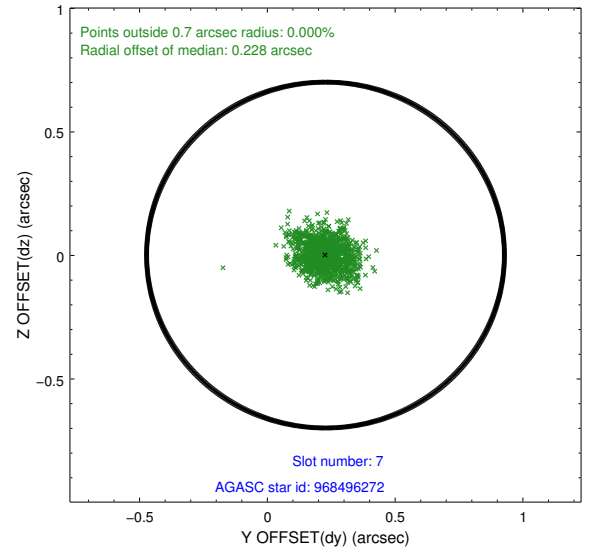
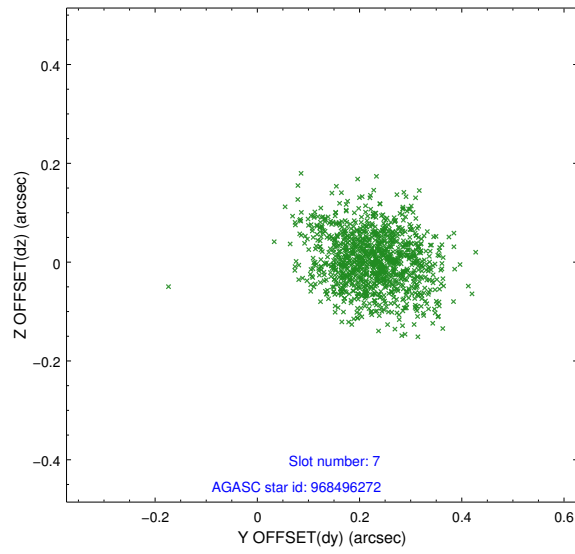
### 2.4.3 Slot 5



## 2.4.4 Slot 6

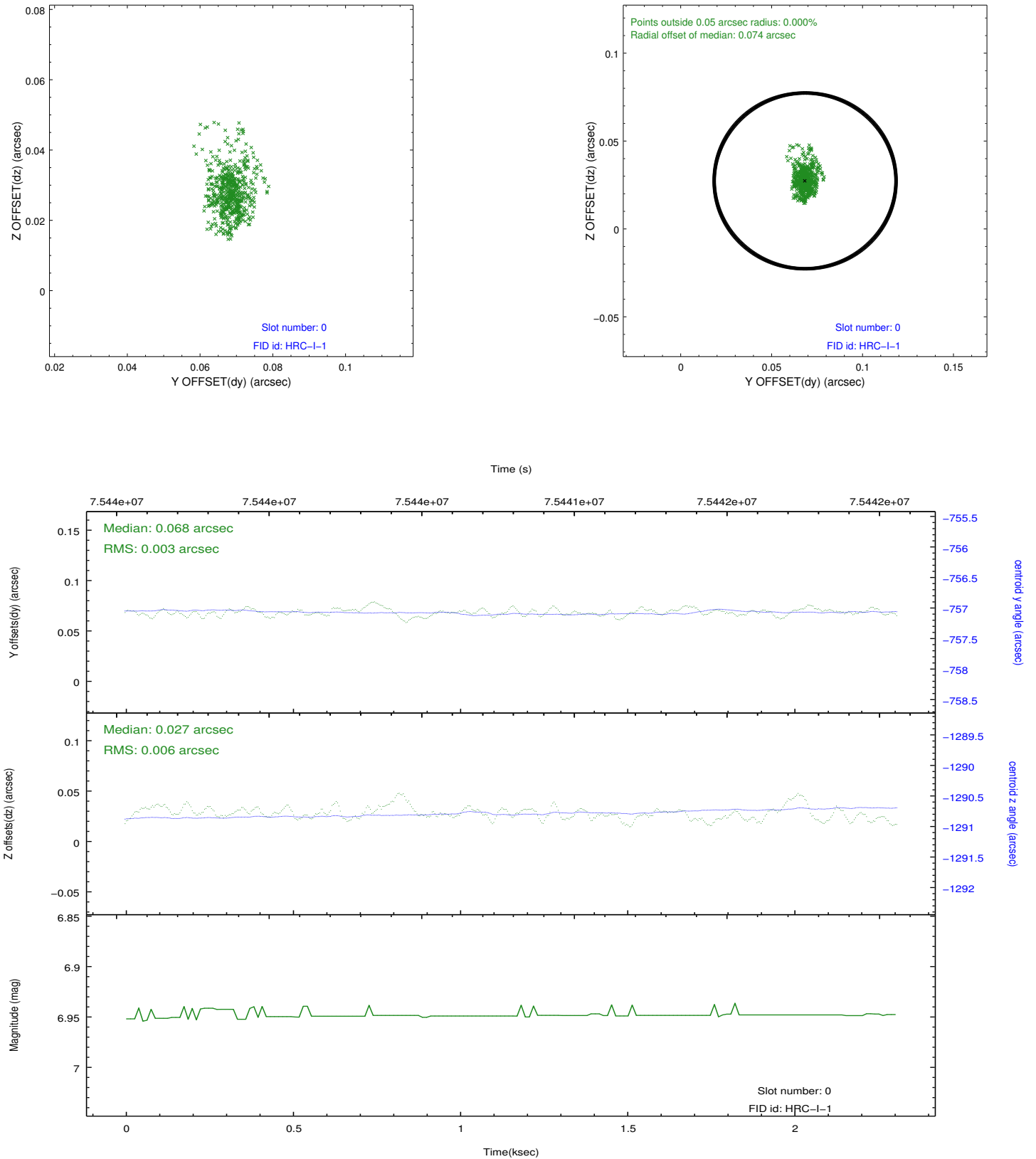


## 2.4.5 Slot 7

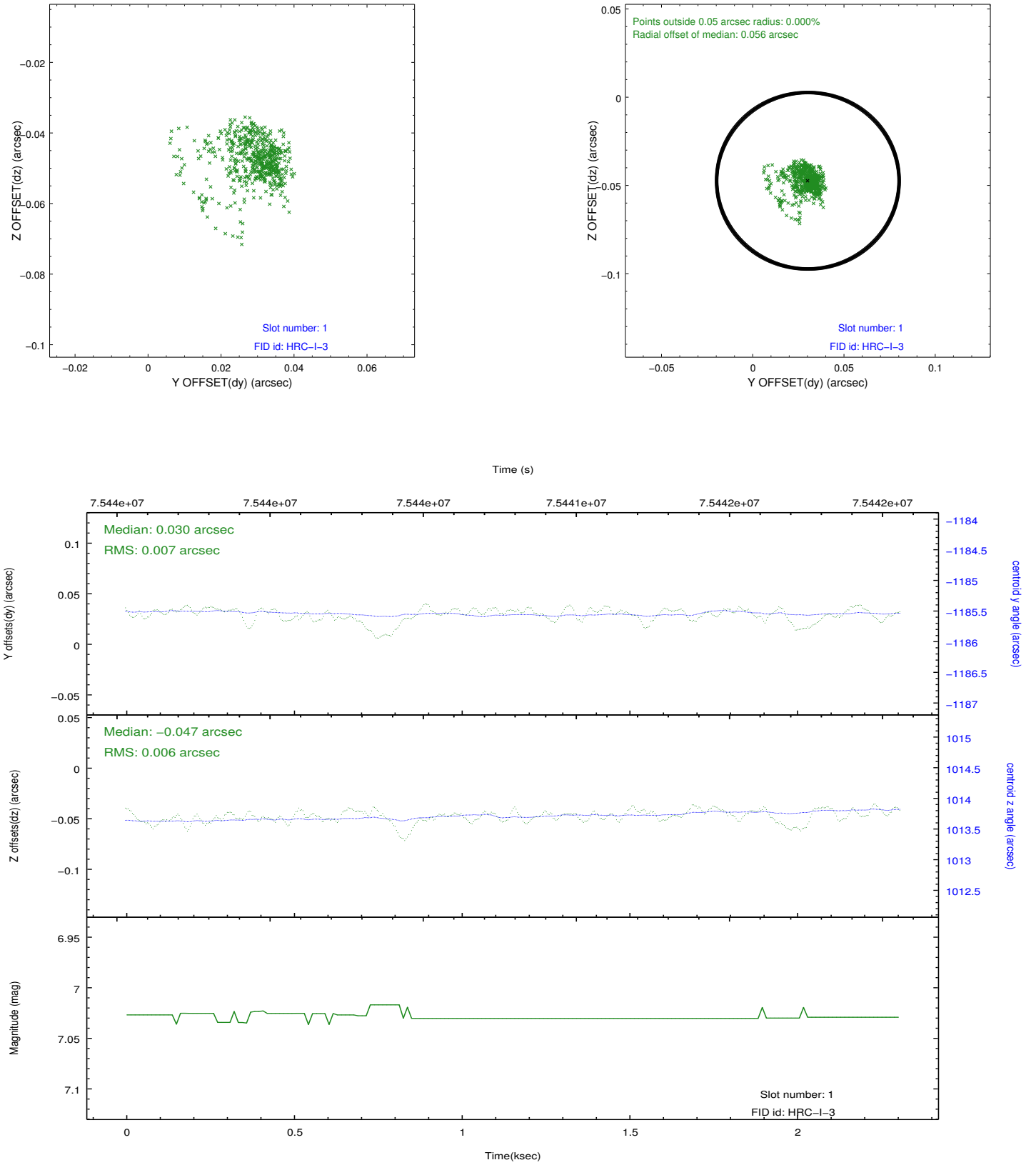


## 2.5 FID Slots

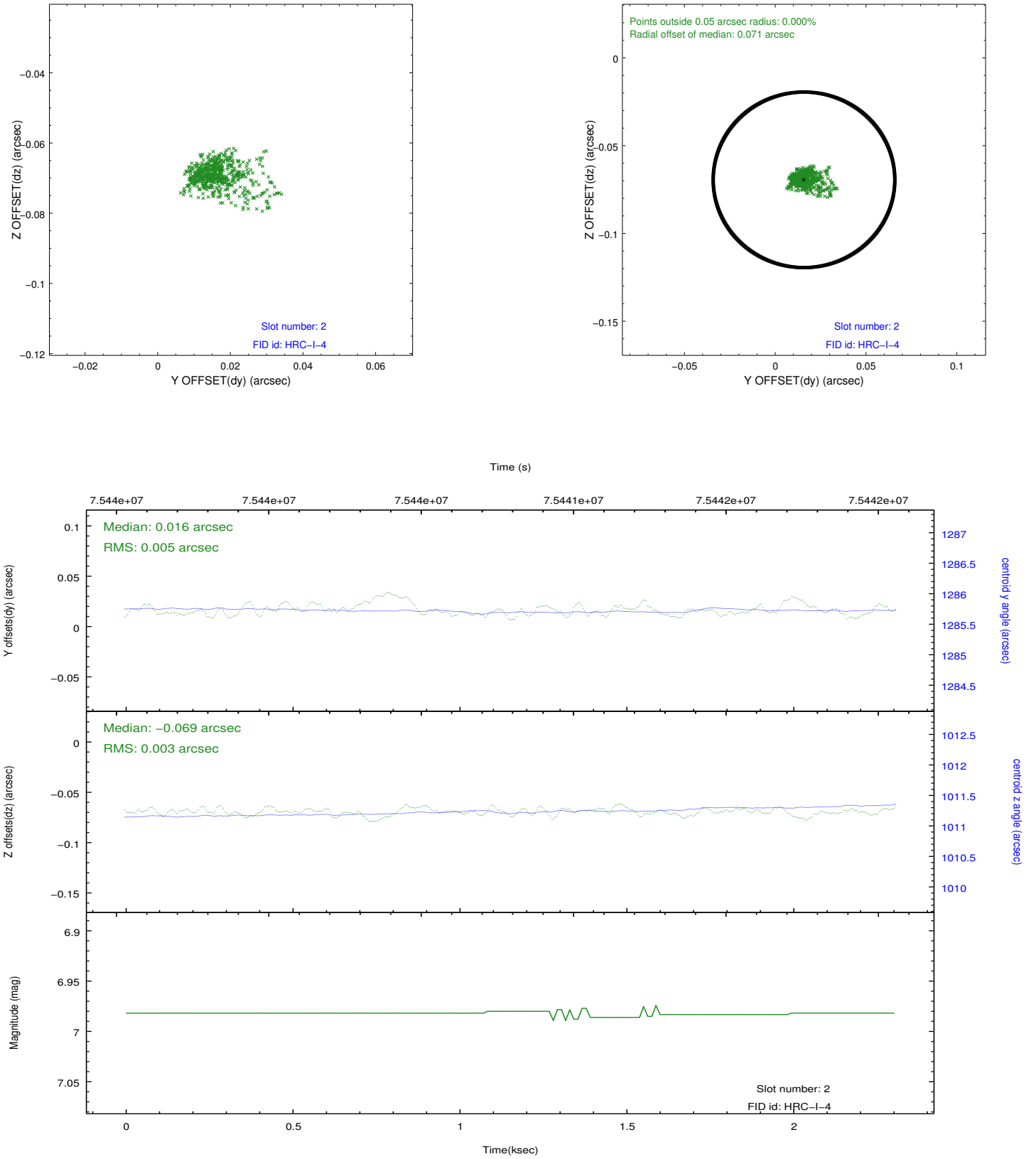
### 2.5.1 Slot 0



## 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)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.305

### A.2 Comments