

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2634 - L2 Version 001  
Chandra X-Ray Center

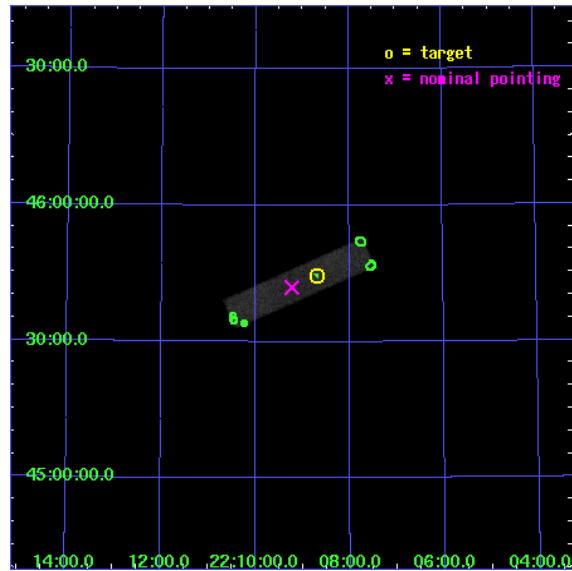
L2 Processing Date : Aug 28 2006

## 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>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

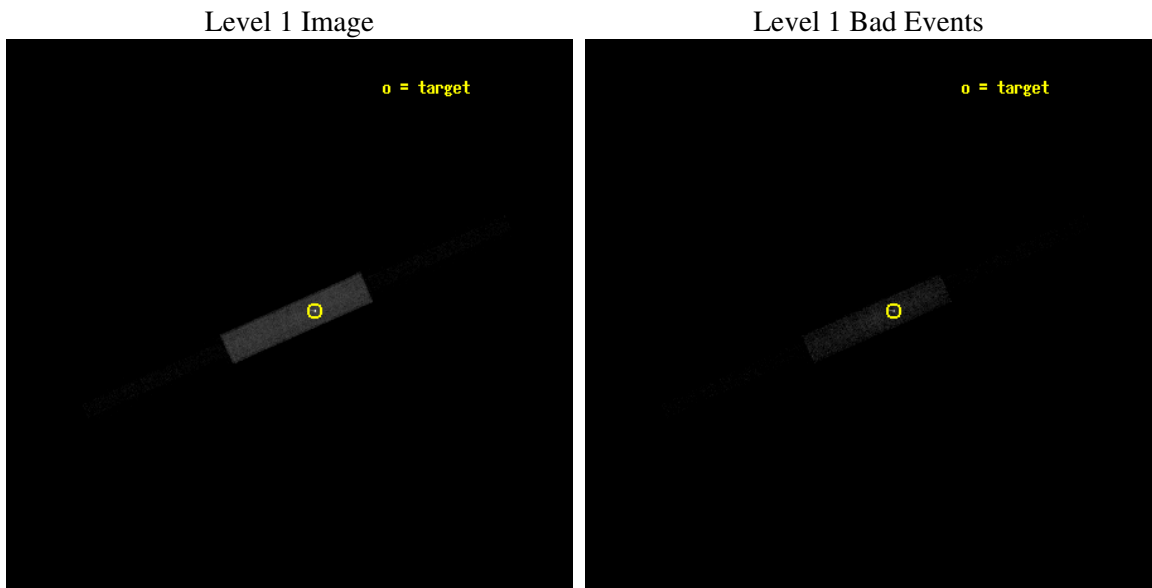
seq_num	290190
obs_id	2634
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.30643710196
dec_nom	45.699843895962
roll_nom	336.18377996315
revision	2
ontime	1141.0812959671
livetime	1134.104306529
l2events	46924



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-28T23:34:34
revision	2

sched_exp_time	1000.000000
ontime	1195.4062981606
l1events	79849

### 2.1.3 Events

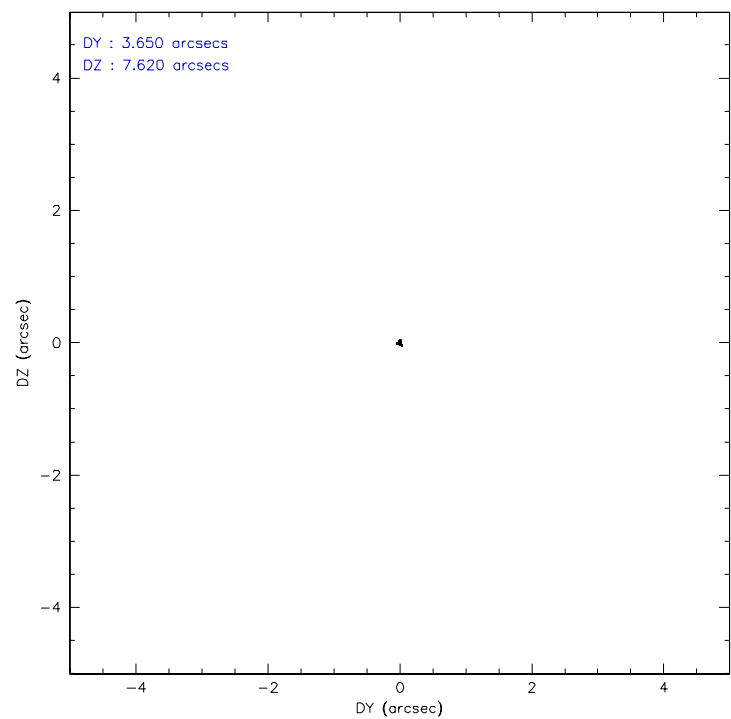
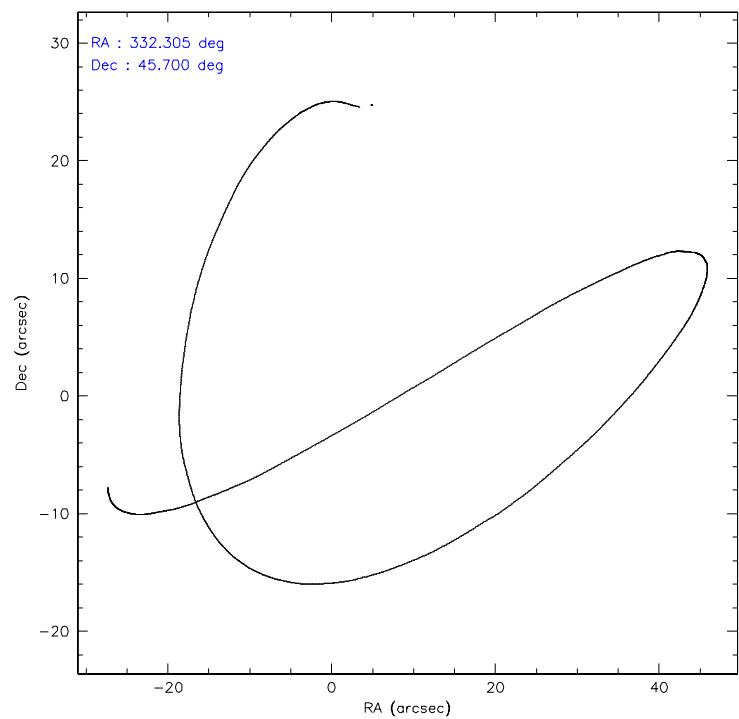
Level 1 Events

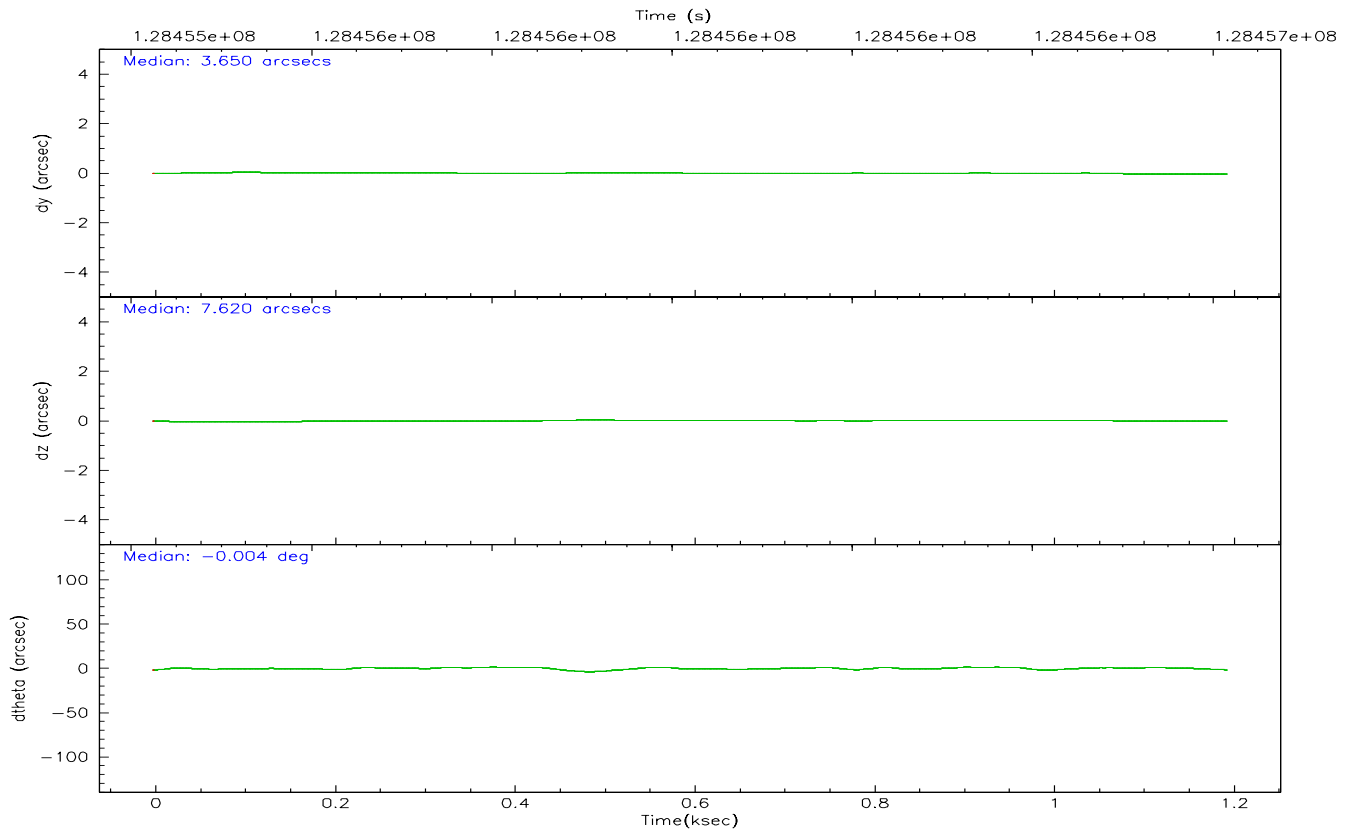
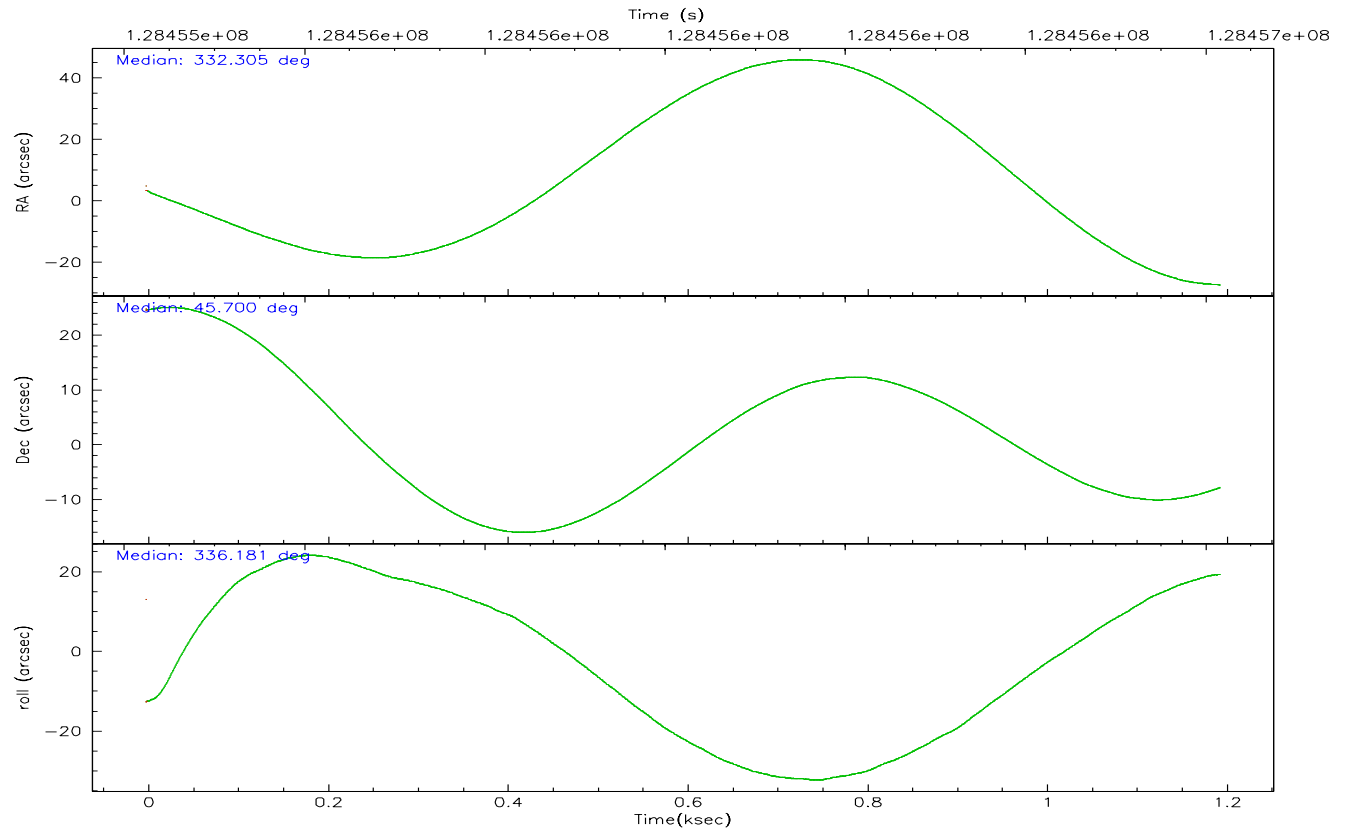
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1110	77558	1181
rejected events	1110	27875	1181
rejected %	100%	35%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	332.266637	332.306437101964			
Pointing Dec	45.695401	45.6998438959618			
Pointing Roll	336.145128	336.183779963145			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	128455617.184000	128455241.15134			
Observation start date	2002-01-26T18:05:53	2002-01-26T18:00:41			
Observation end time	128456617.184000	128456750.9764			
Observation end date	2002-01-26T18:22:33	2002-01-26T18:25:50			

2.3 Aspect





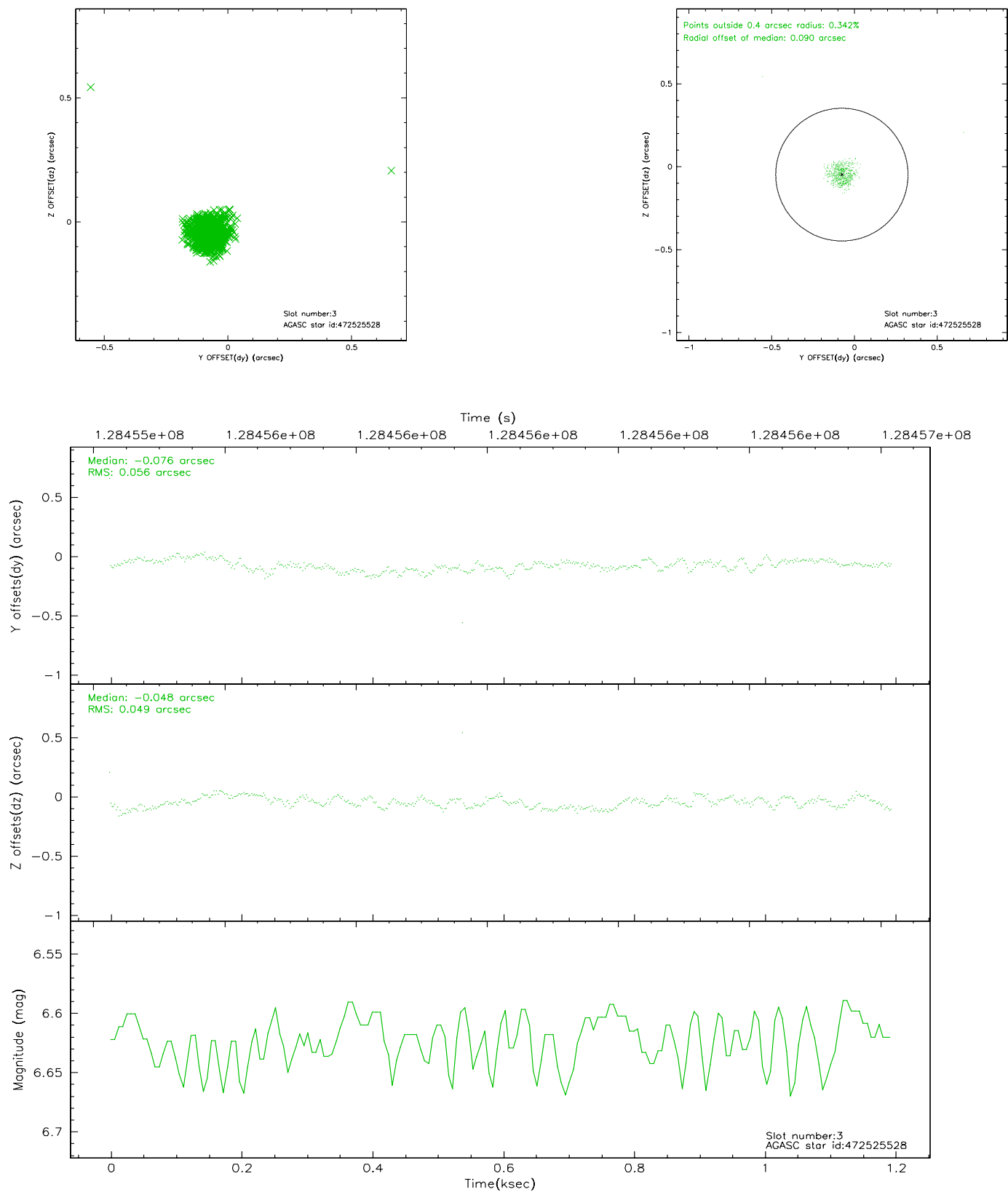
### Slot Statistics

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	292	0.152	-0.085	0.009	0.021	0.000000	0.000000	-1157.68	-456.16
1	FID	HRC-S-2	6.98	292	0.075	-0.087	0.007	0.012	0.000000	0.000000	1237.96	-450.34
2	FID	HRC-S-3	7.01	292	0.163	-0.129	0.009	0.025	0.000000	0.000000	-1156.16	571.78
3	GUIDE	472525528	6.62	584	-0.076	-0.048	0.065	0.099	331.551102	45.248694	-1010.49	-2196.66
4	GUIDE	472523760	8.24	584	-0.085	-0.148	0.064	0.119	331.645363	45.403260	-1014.07	-1595.11
5	GUIDE	472659832	9.46	583	-0.034	0.082	0.123	0.316	332.780399	46.098139	584.01	1846.12
6	GUIDE	472655152	9.43	583	0.024	0.083	0.096	0.156	332.504239	45.862991	302.39	797.03
7	GUIDE	472646552	9.64	580	0.186	0.033	0.114	0.193	333.120915	45.571877	2145.80	476.35

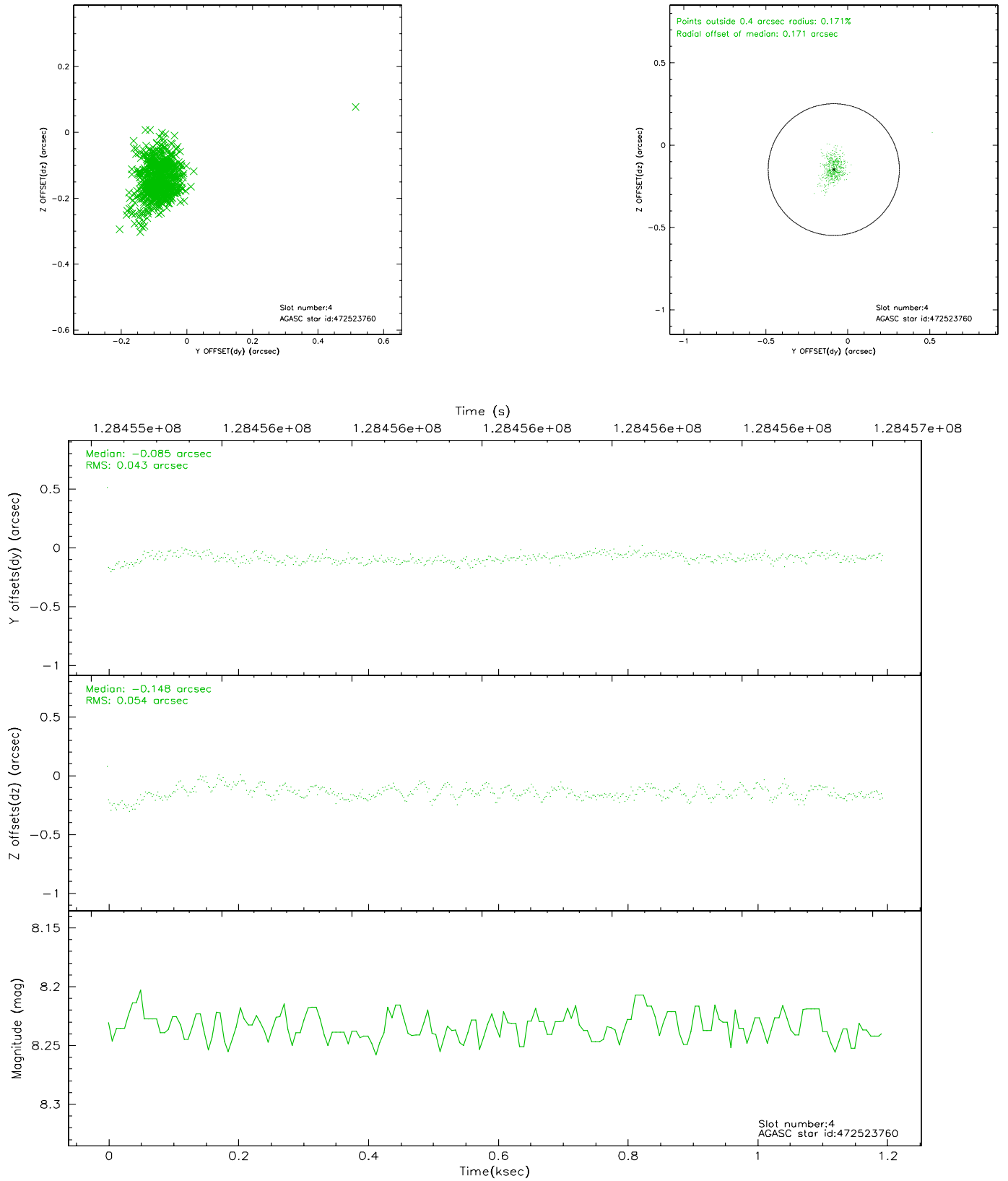


## 2.4 Star Slots

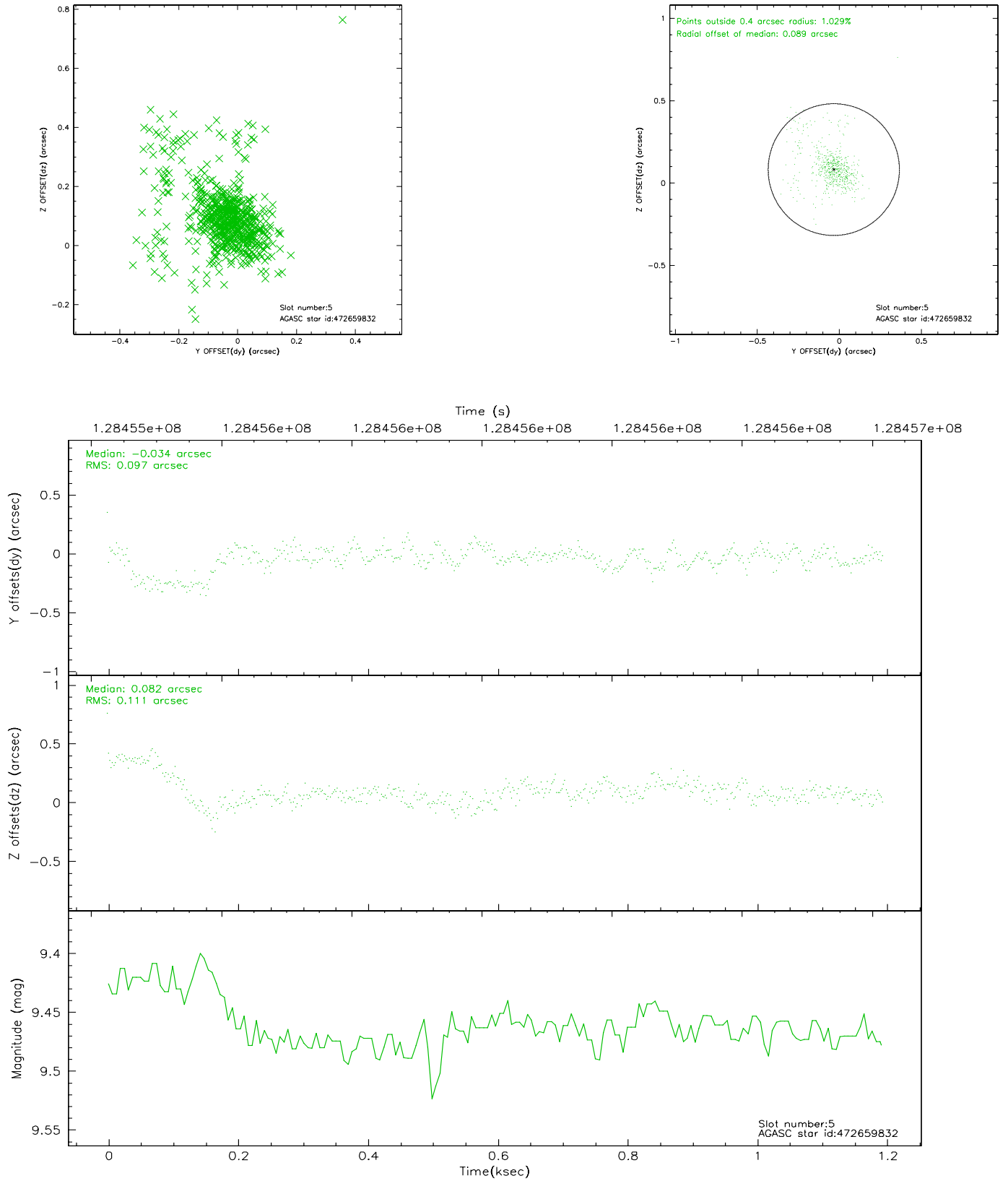
### 2.4.1 Slot 3



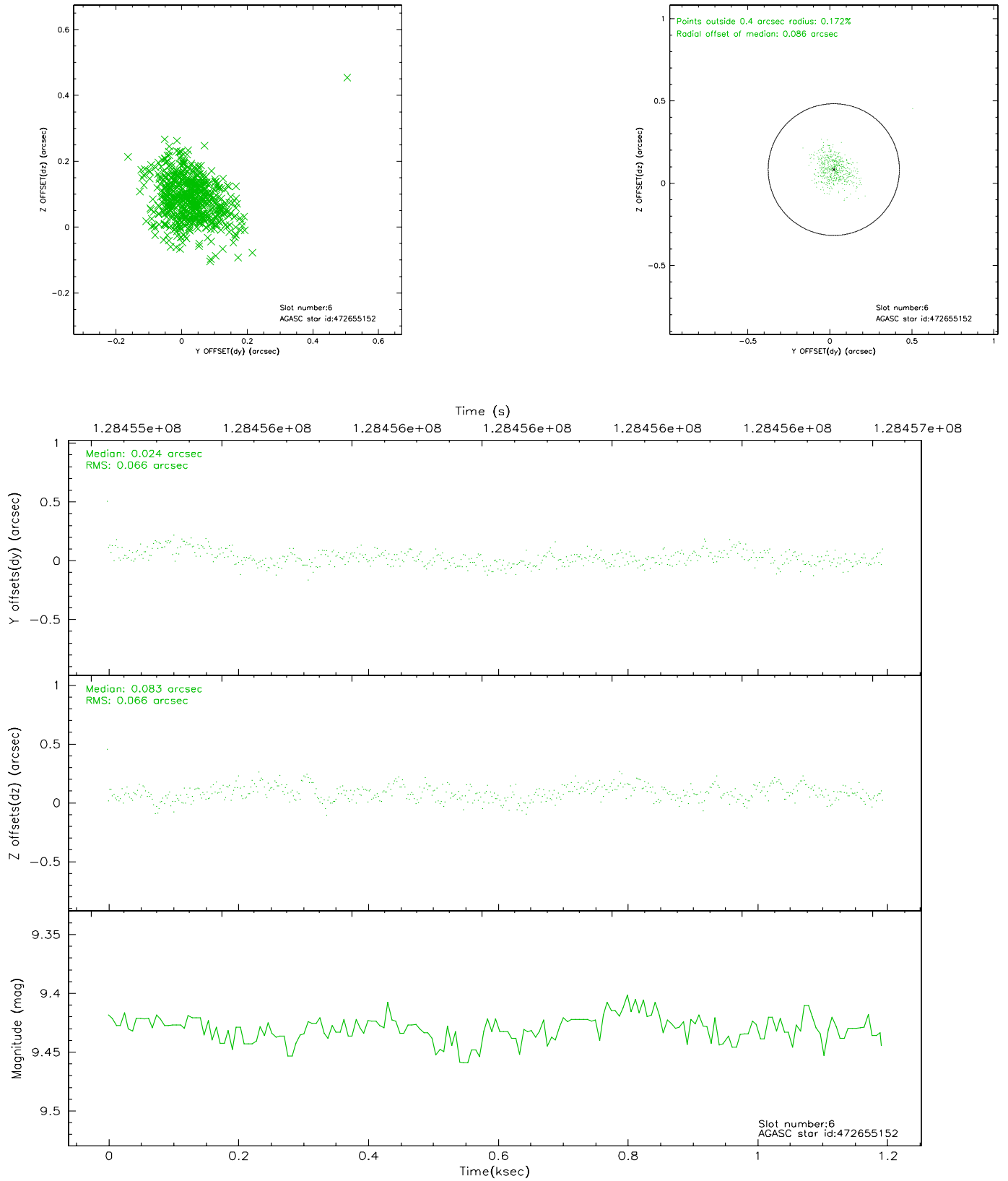
## 2.4.2 Slot 4



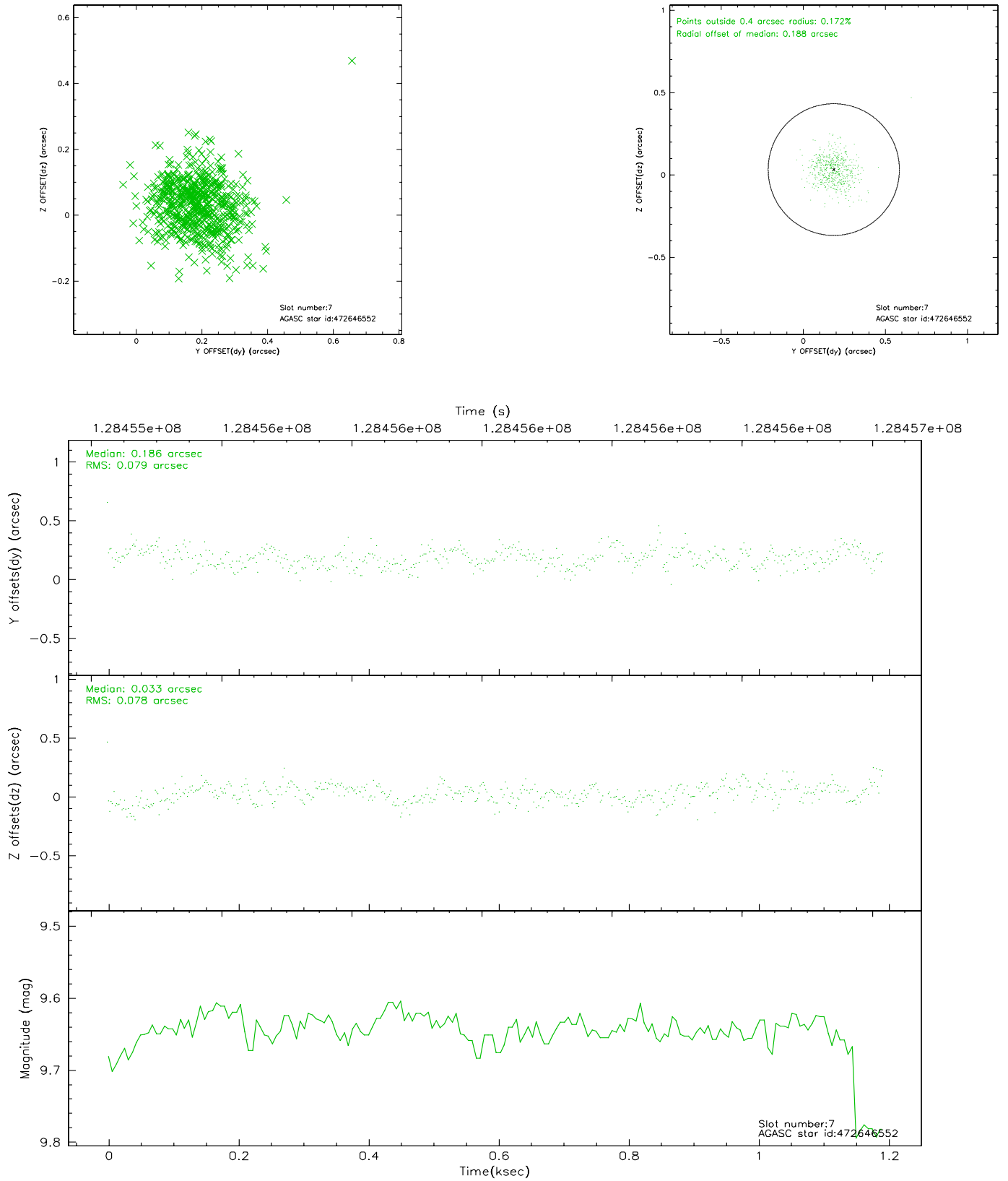
### 2.4.3 Slot 5



## 2.4.4 Slot 6

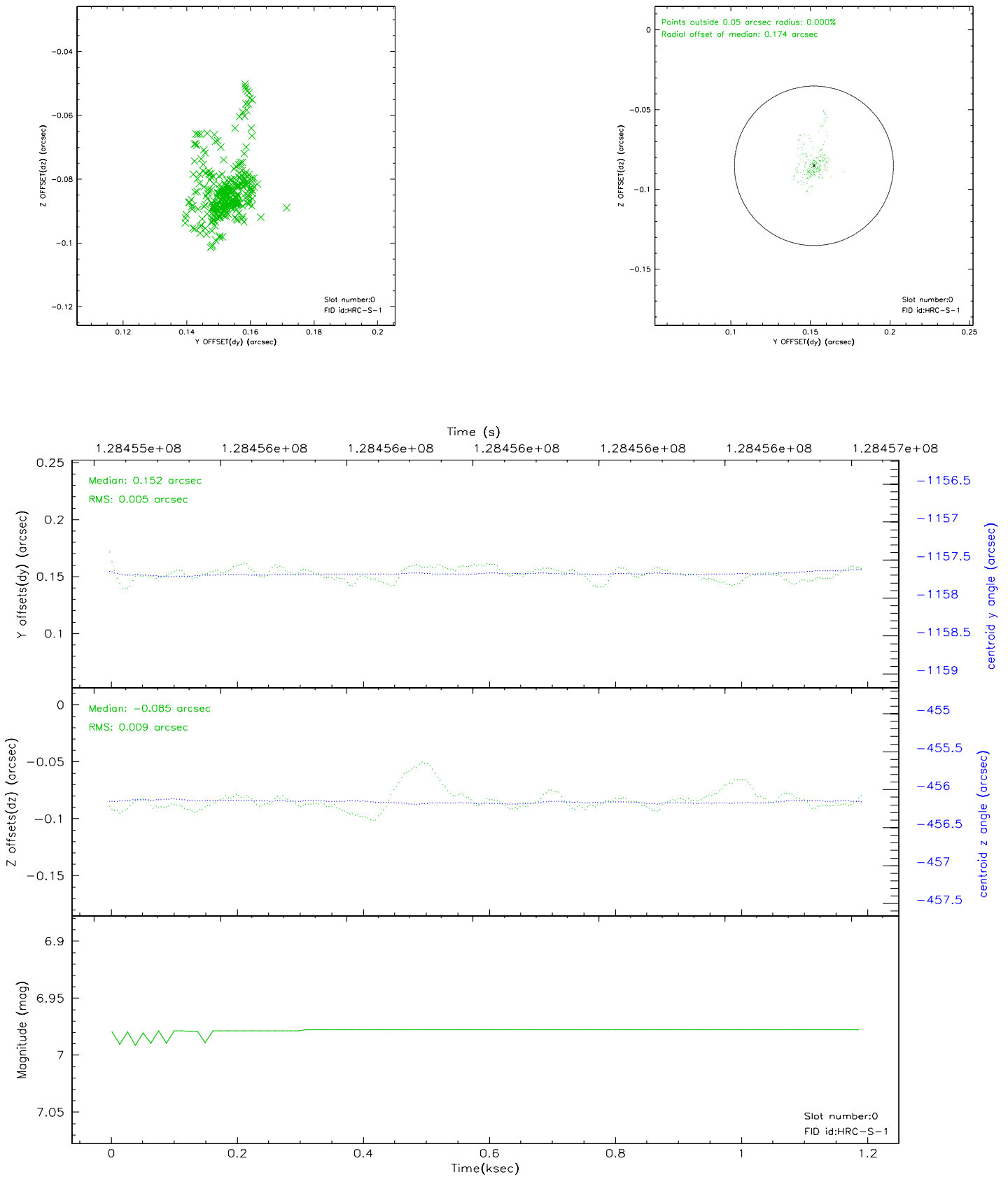


## 2.4.5 Slot 7

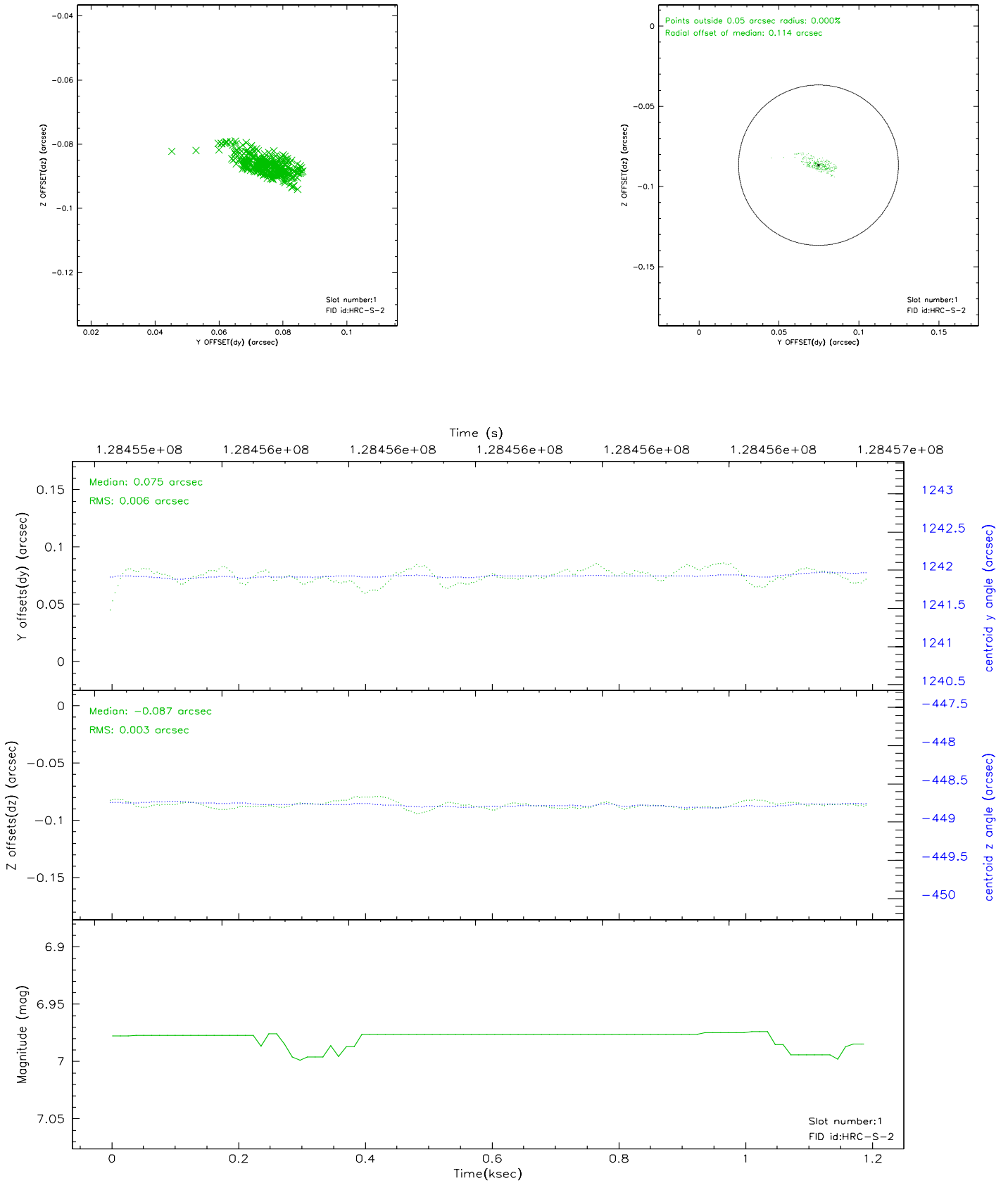


## 2.5 FID Slots

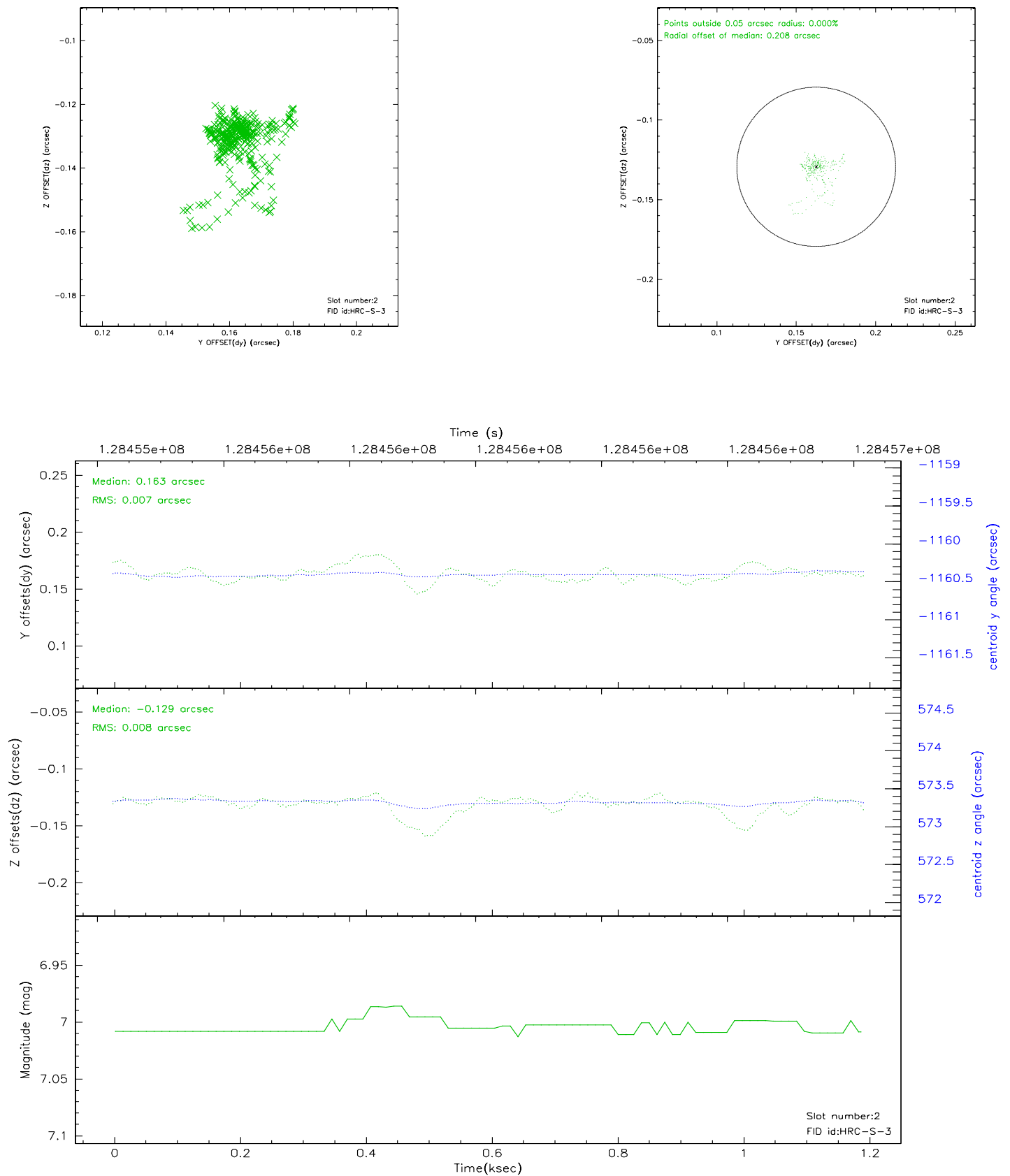
### 2.5.1 Slot 0



## 2.5.2 Slot 1

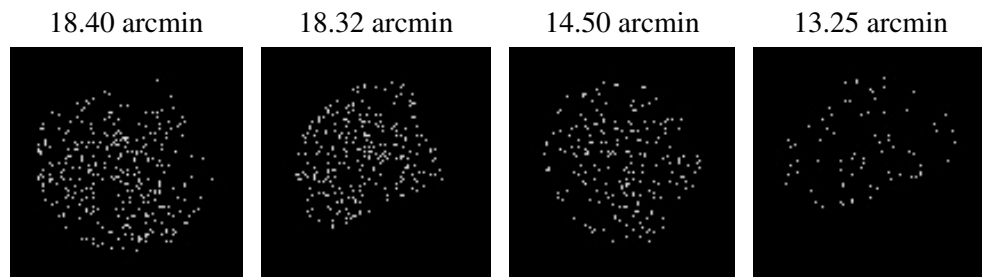


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.194

### A.2 Comments

Monitor constraint met.