

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2661 - L2 Version 001  
Chandra X-Ray Center

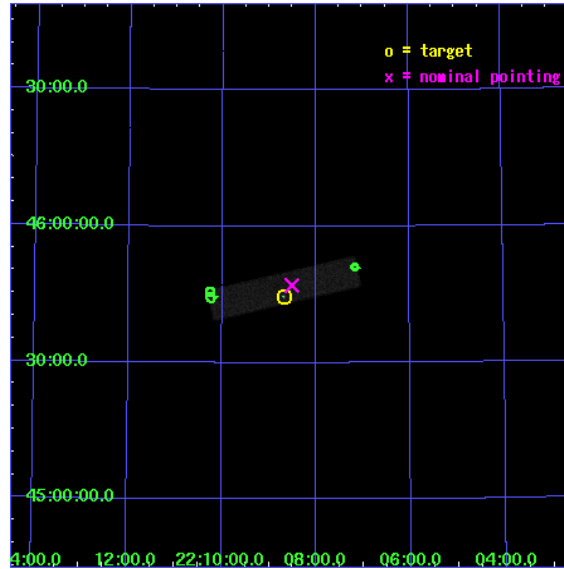
L2 Processing Date : Sep 30 2006

## 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

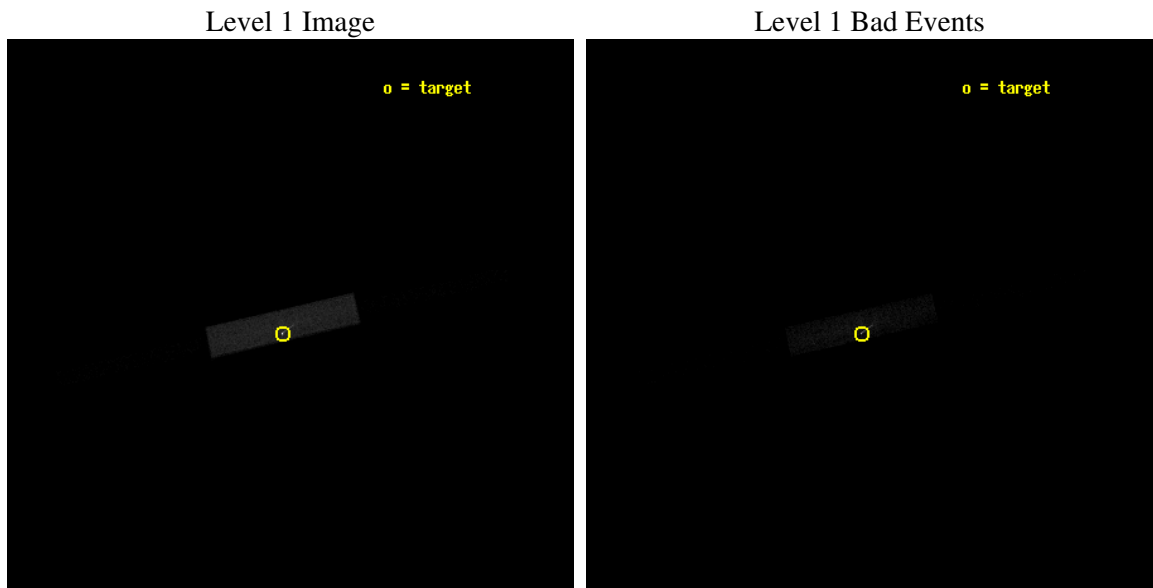
seq_num	290217
obs_id	2661
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.12831253341
dec_nom	45.784207700349
roll_nom	166.96756935956
revision	2
ontime	1141.0812970102
livetime	1134.8088424264
l2events	44819



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-30T13:28:46
revision	2

sched_exp_time	1000.000000
ontime	1189.000048995
l1events	81366

### 2.1.3 Events

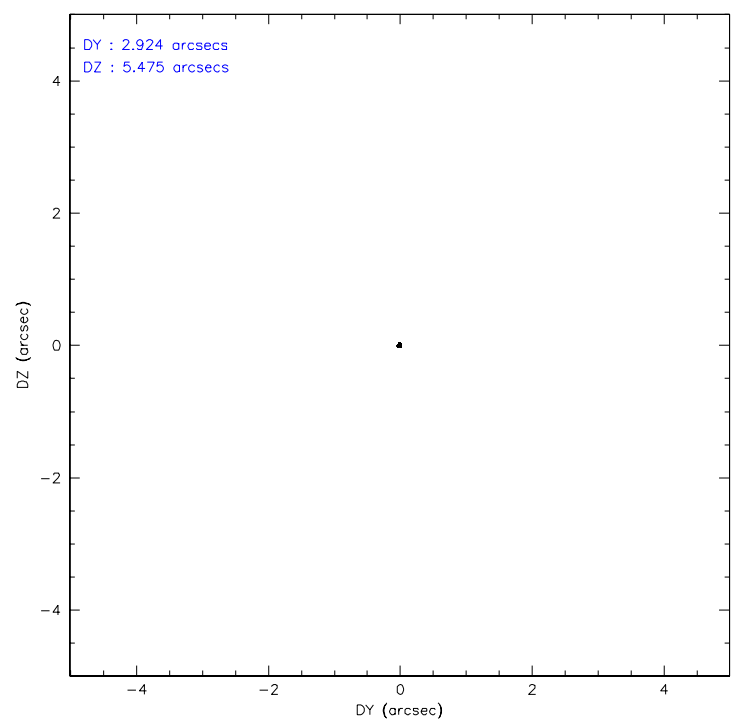
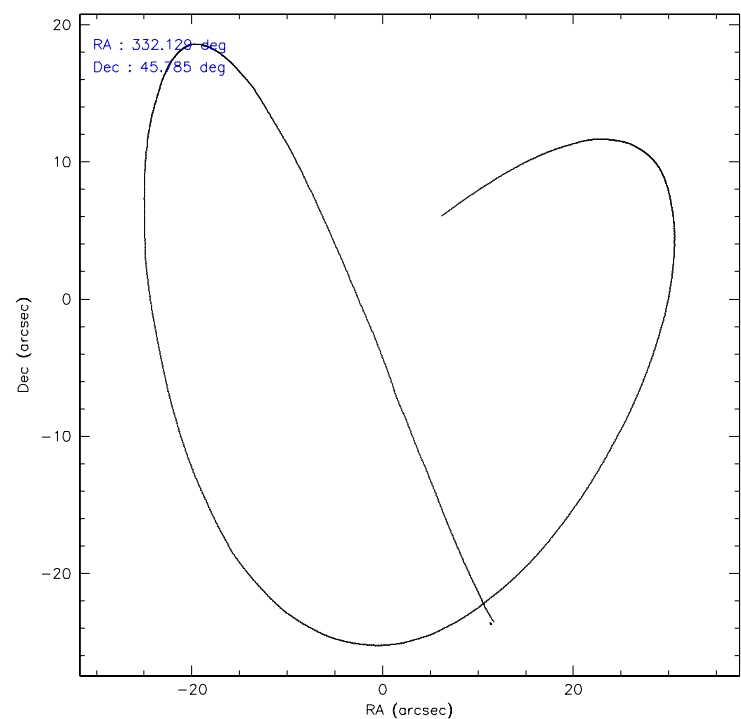
Level 1 Events

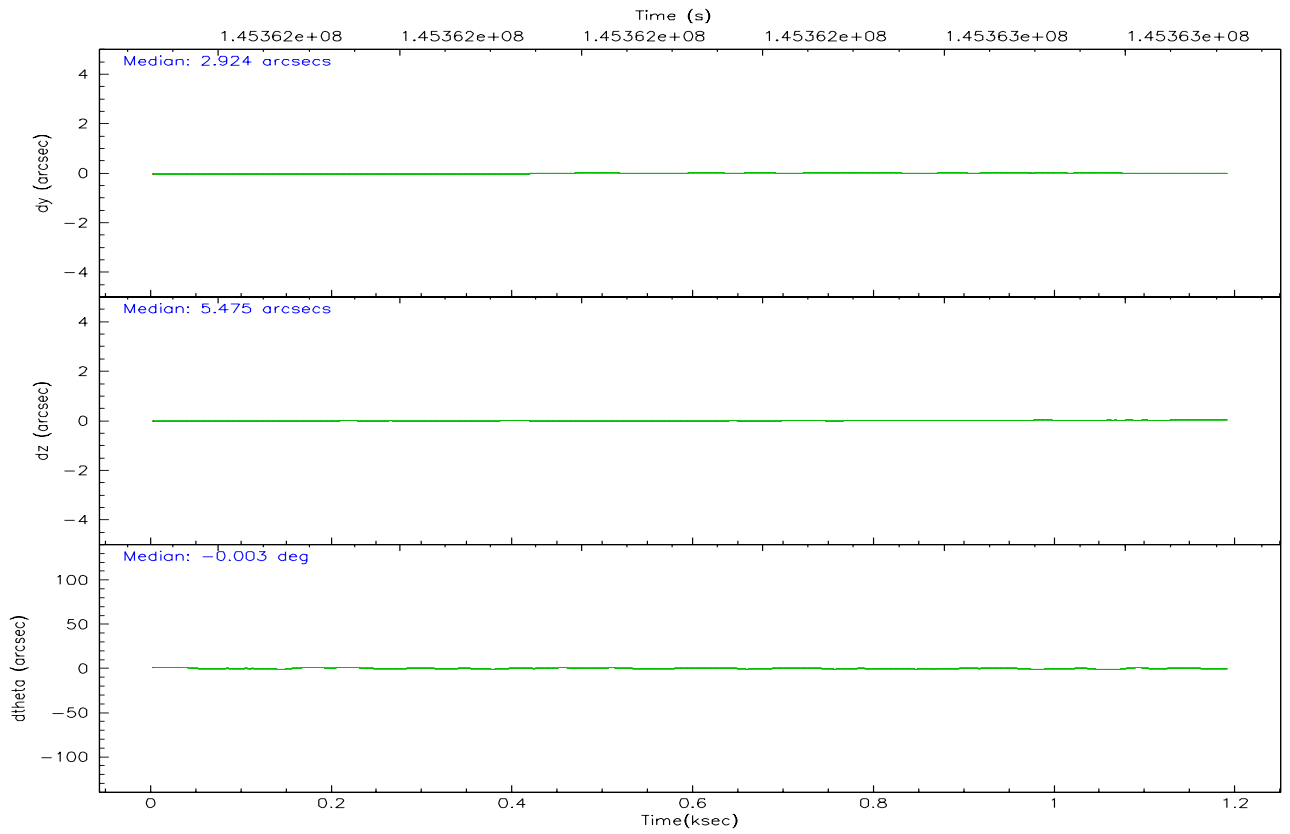
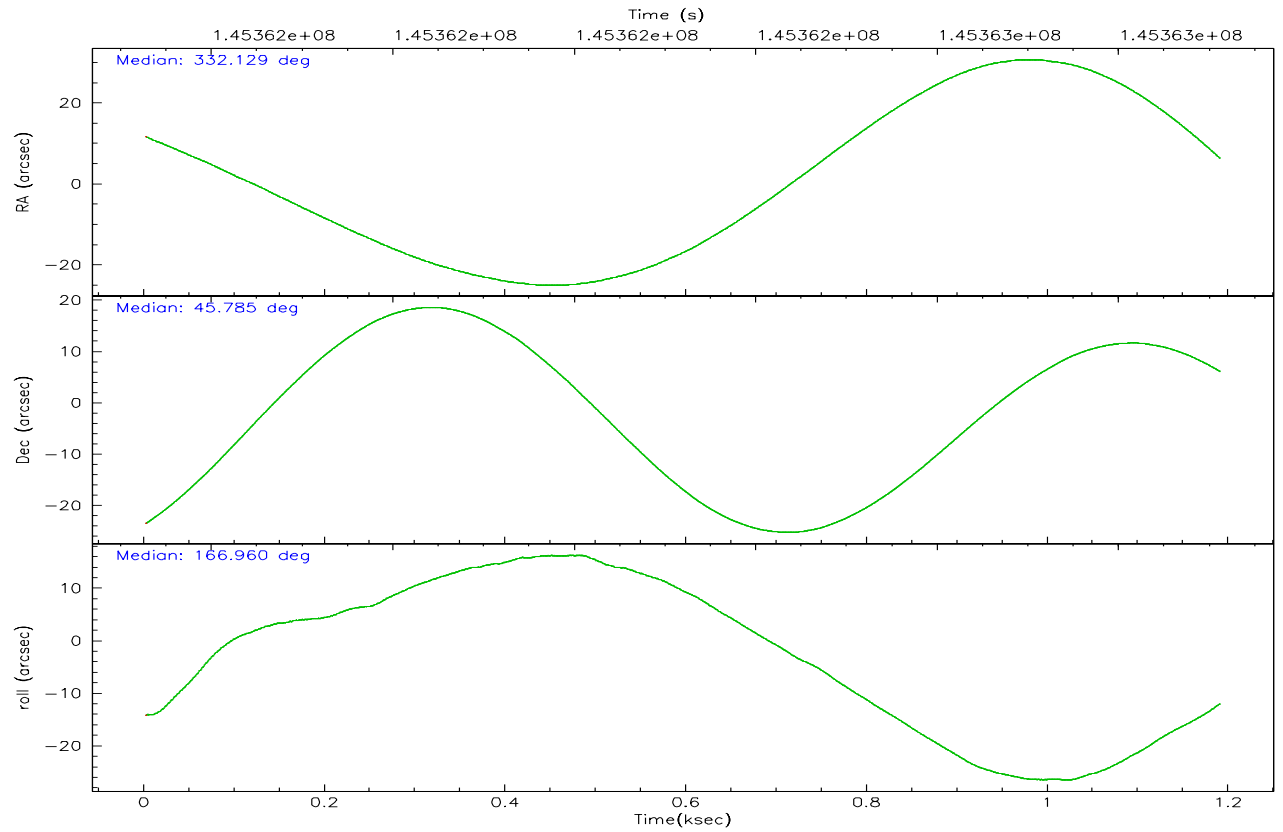
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1036	79325	1005
rejected events	1036	31923	1005
rejected %	100%	40%	100%

## 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	332.166415	332.1283125334122			
Pointing Dec	45.793213	45.78420770034921			
Pointing Roll	166.872898	166.9675693595628			
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	145361920.184000	145361544.69			
Observation start date	2002-08-10T10:17:36	2002-08-10T10:12:24			
Observation end time	145362920.184000	145363054.51506			
Observation end date	2002-08-10T10:34:16	2002-08-10T10:37:34			

2.3 Aspect





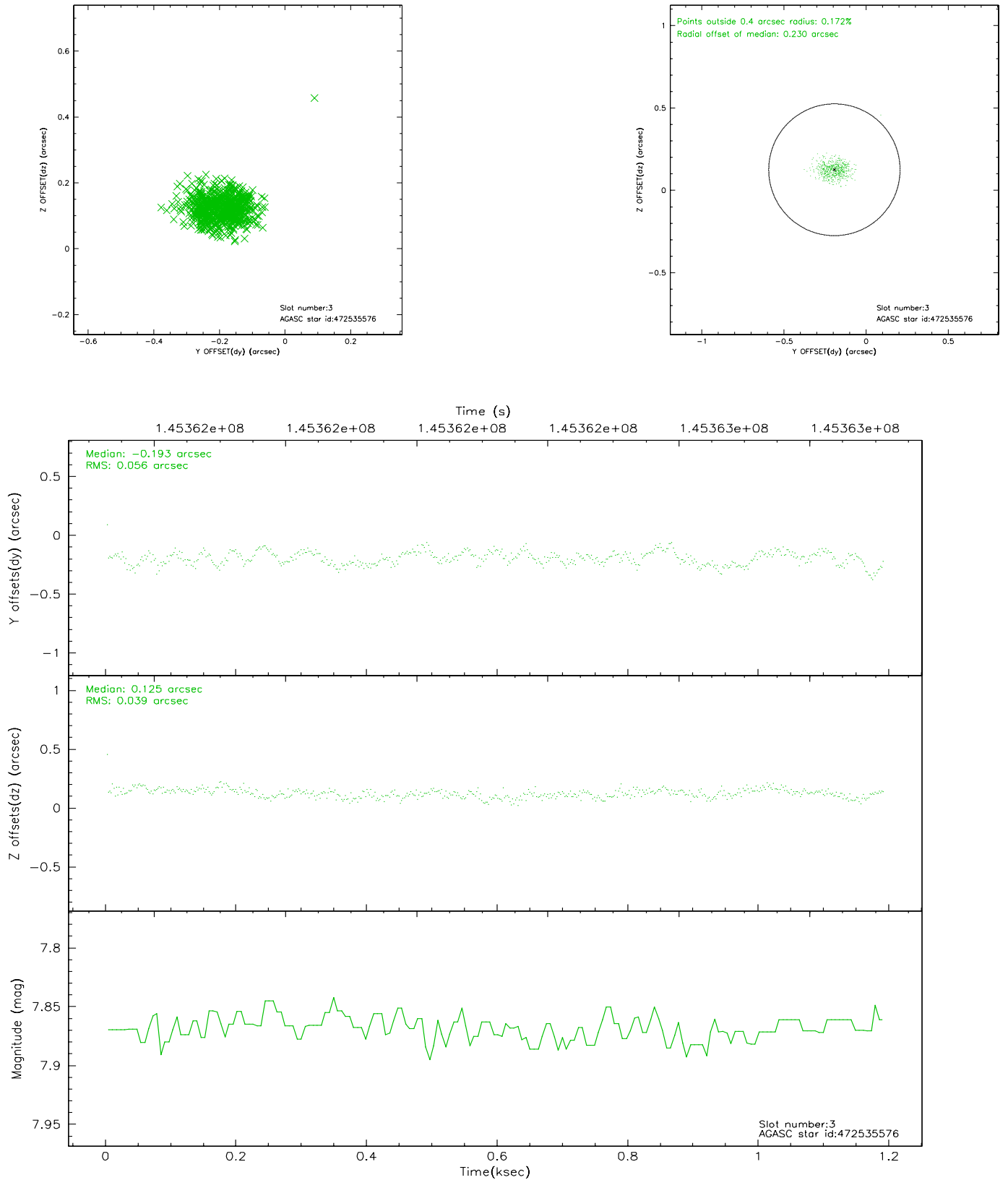
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	290	0.153	-0.163	0.007	0.011	0.000000	0.000000	-1156.94	-454.01
1	FID	HRC-S-2	6.99	291	0.099	-0.097	0.004	0.009	0.000000	0.000000	1238.71	-448.17
2	FID	HRC-S-3	7.01	291	0.138	-0.042	0.006	0.010	0.000000	0.000000	-1155.41	574.10
3	GUIDE	472535576	7.87	581	-0.193	0.125	0.072	0.112	331.438373	46.291802	2175.23	-1341.42
4	GUIDE	472536328	8.14	581	-0.127	0.093	0.074	0.122	331.496671	46.454831	2166.11	-1948.16
5	GUIDE	472523760	8.23	581	-0.062	-0.087	0.067	0.117	331.645363	45.403260	970.20	1661.78
6	GUIDE	472665256	9.01	580	0.209	0.080	0.088	0.132	332.808125	46.195041	-1223.28	-1772.51
7	GUIDE	472655704	9.48	580	0.178	-0.201	0.107	0.207	332.167195	45.285228	-417.47	1780.16

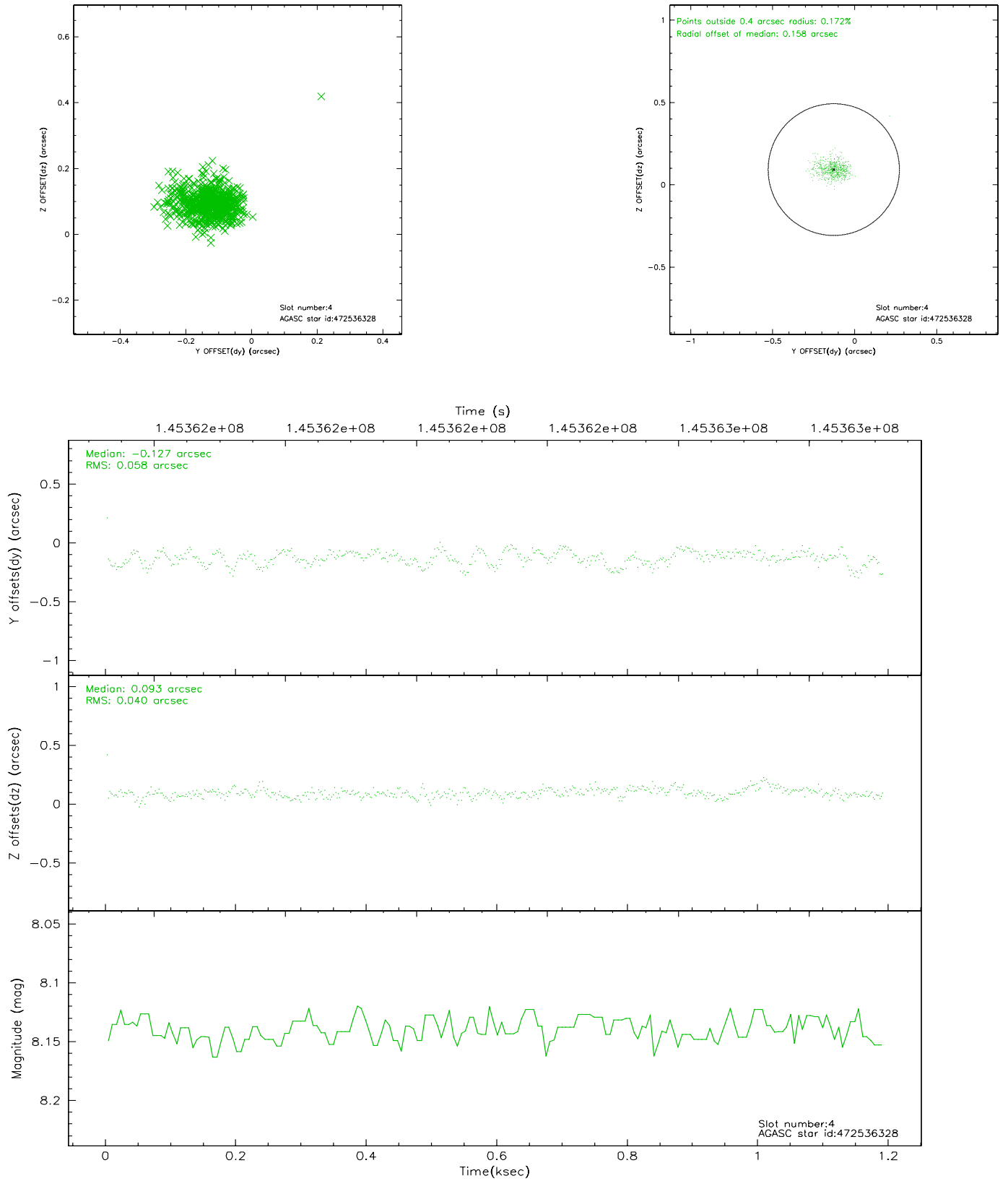


## 2.4 Star Slots

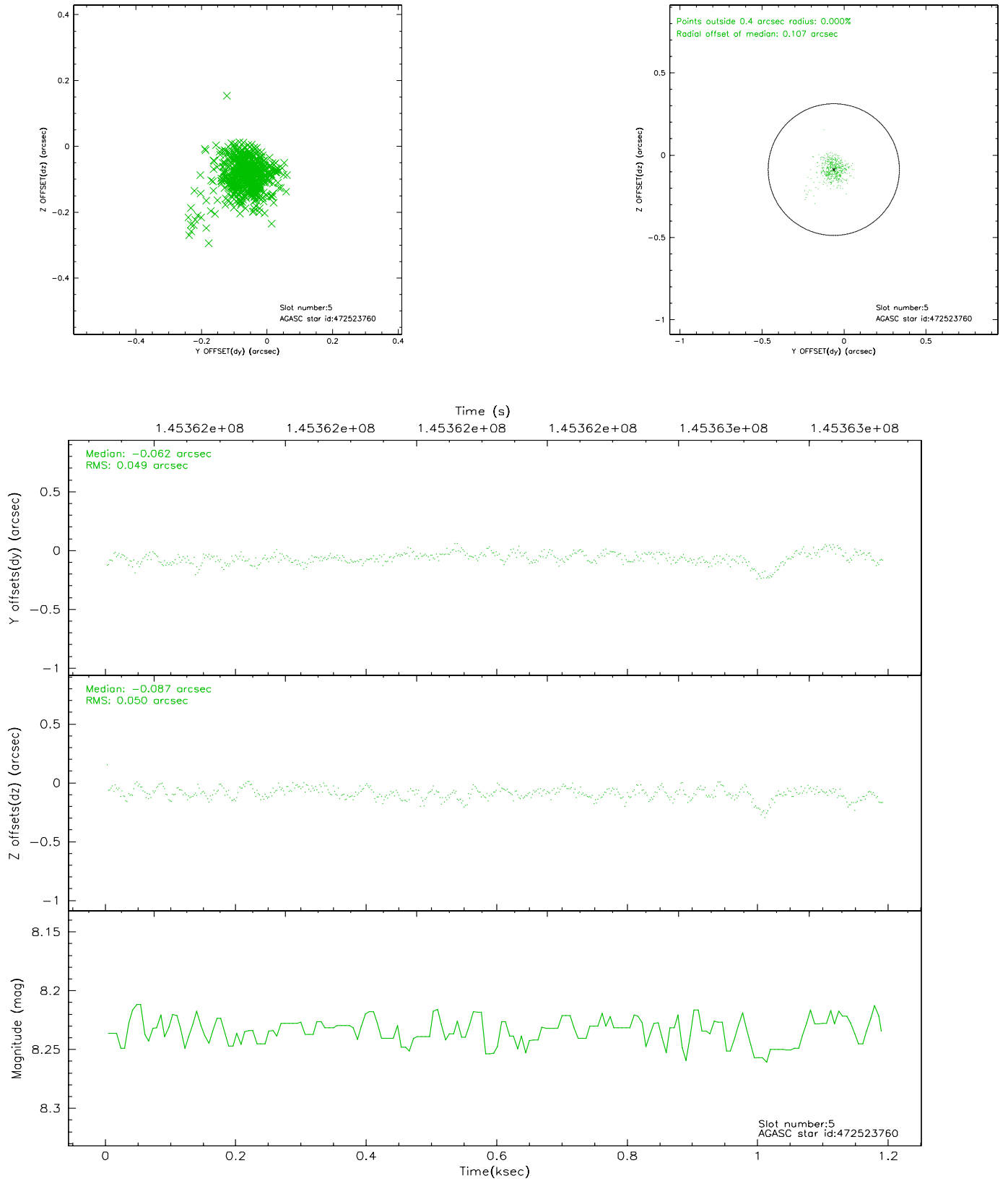
### 2.4.1 Slot 3



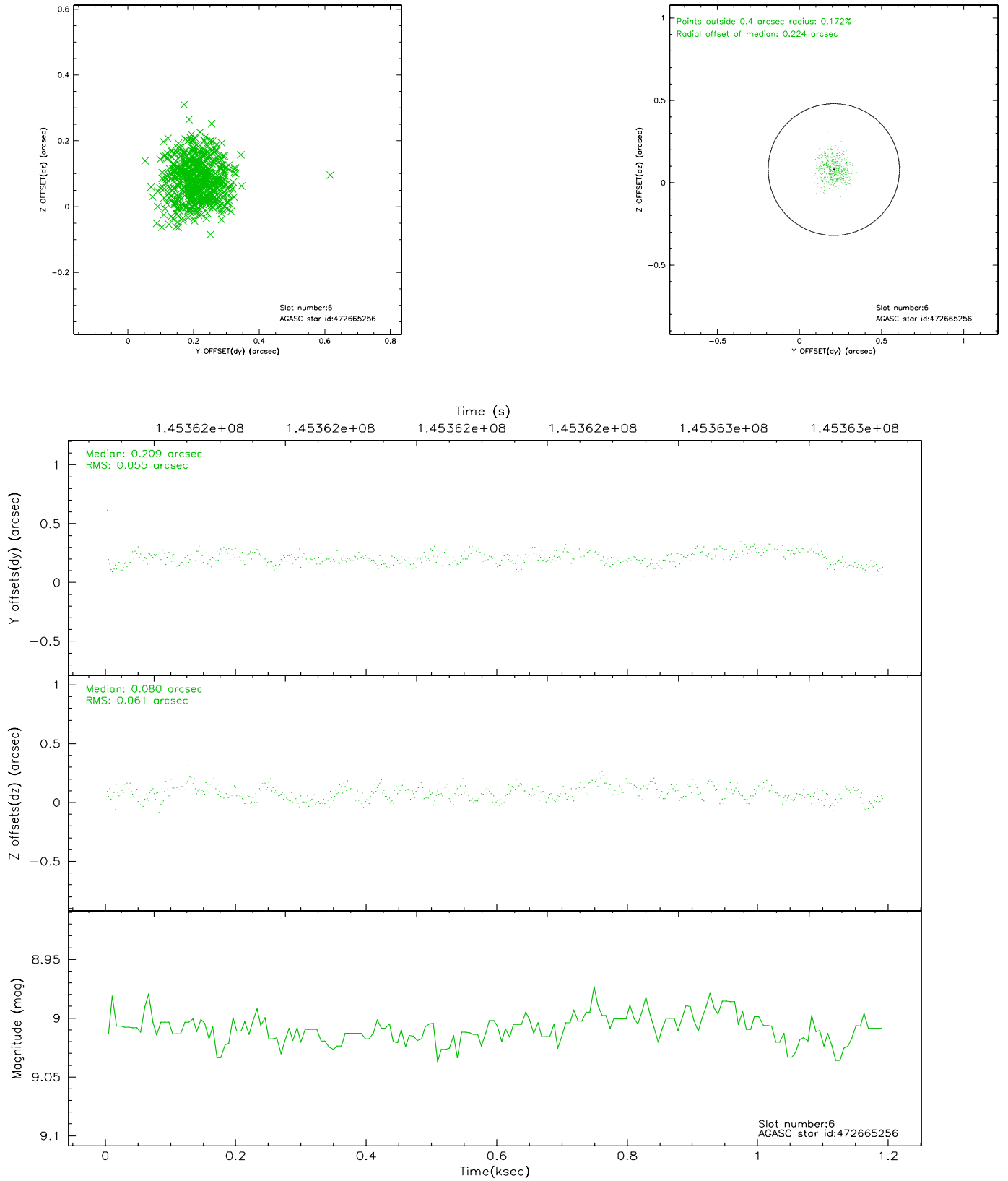
## 2.4.2 Slot 4



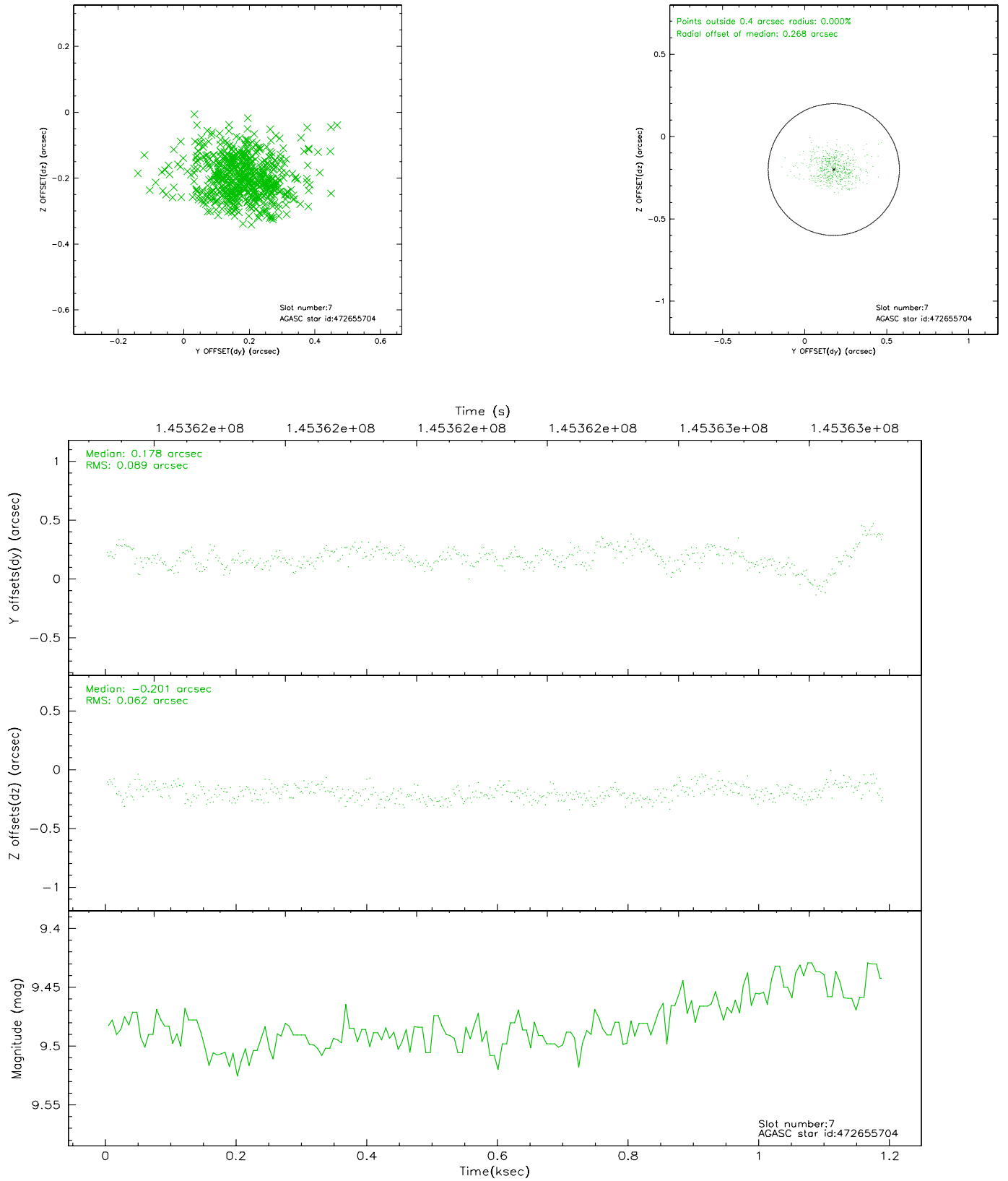
### 2.4.3 Slot 5



## 2.4.4 Slot 6

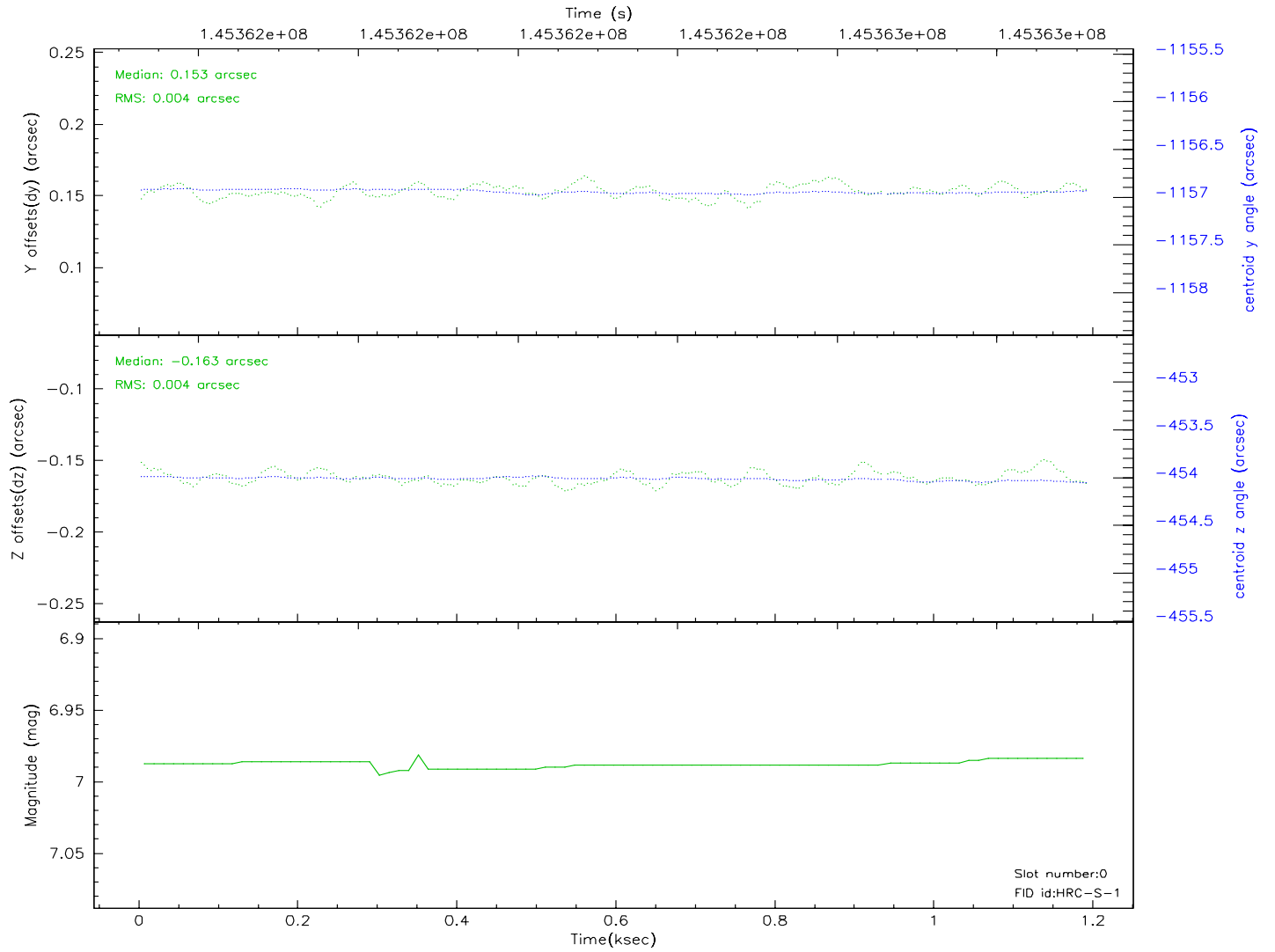
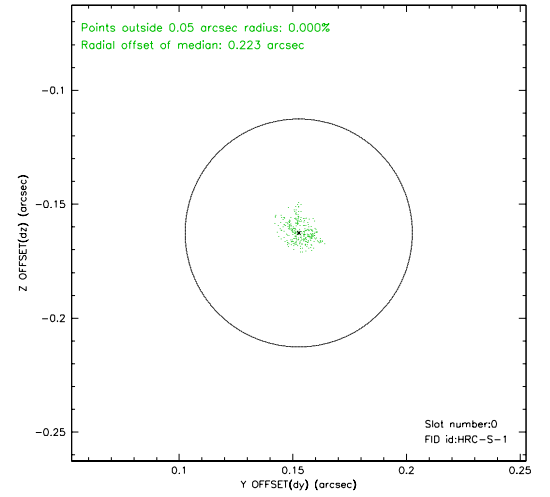
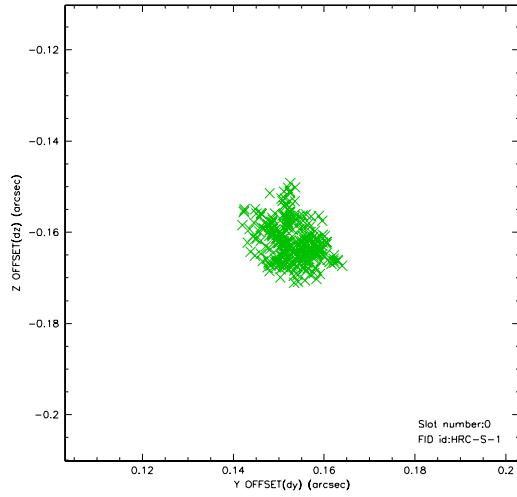


## 2.4.5 Slot 7

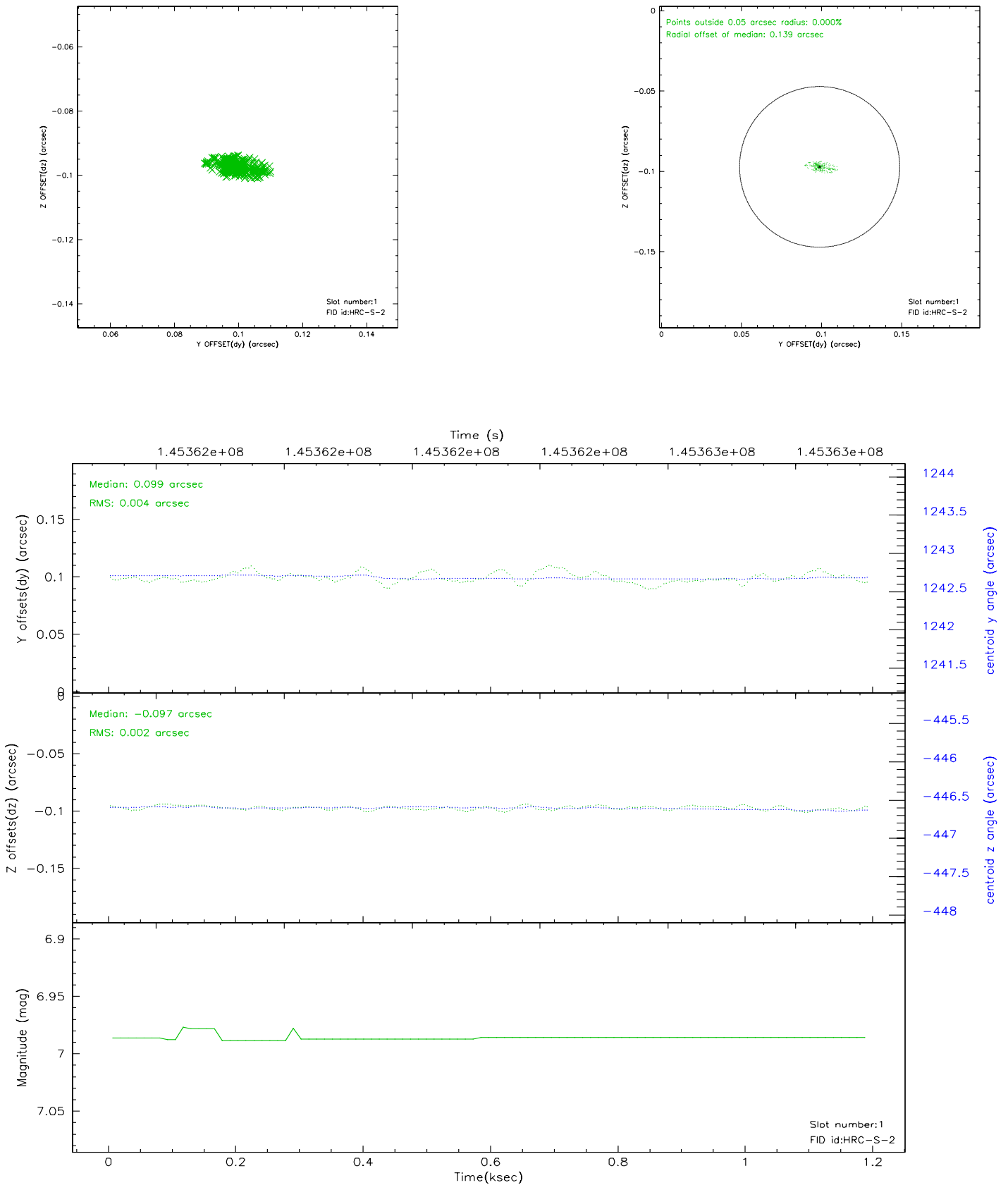


## 2.5 FID Slots

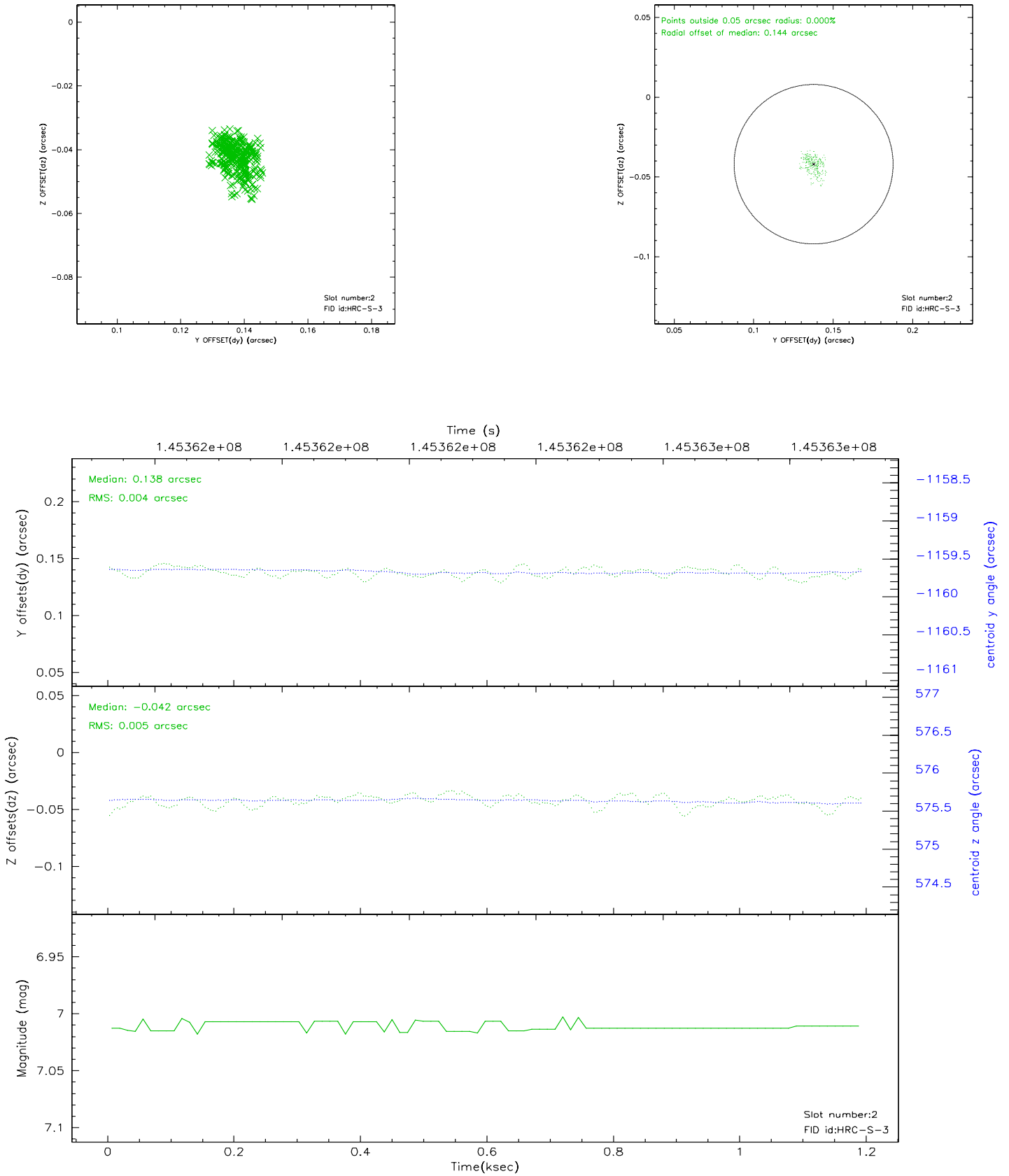
### 2.5.1 Slot 0



## 2.5.2 Slot 1

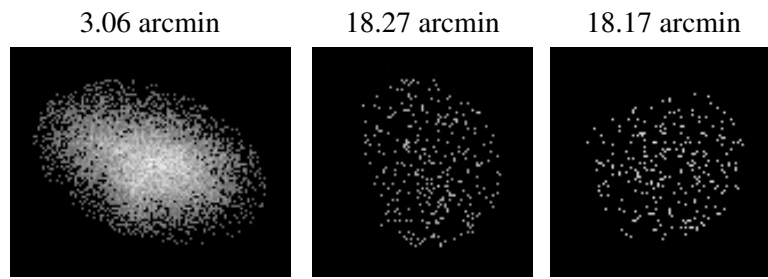


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.188

## A.2 Comments

Charge time:

Charge time for this ObsId remains at previous value of 1.188 ks  
although with the current processing it would have been 1.14 ksec.

Monitor constraint met.