

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1818 - L2 Version 3  
Chandra X-Ray Center

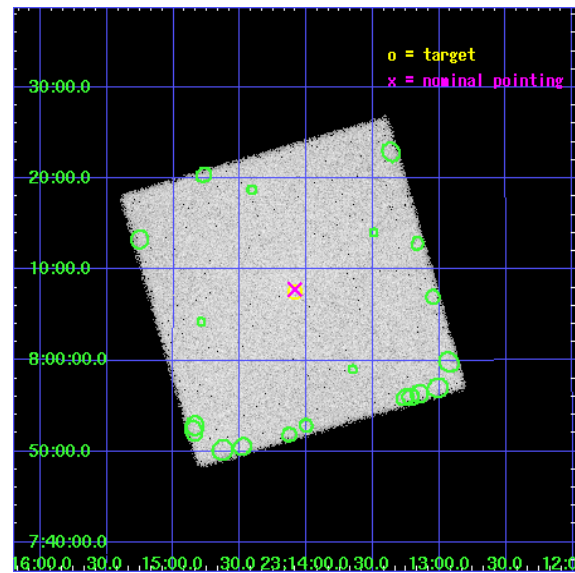
L2 Processing Date : Nov 20 2007

## 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

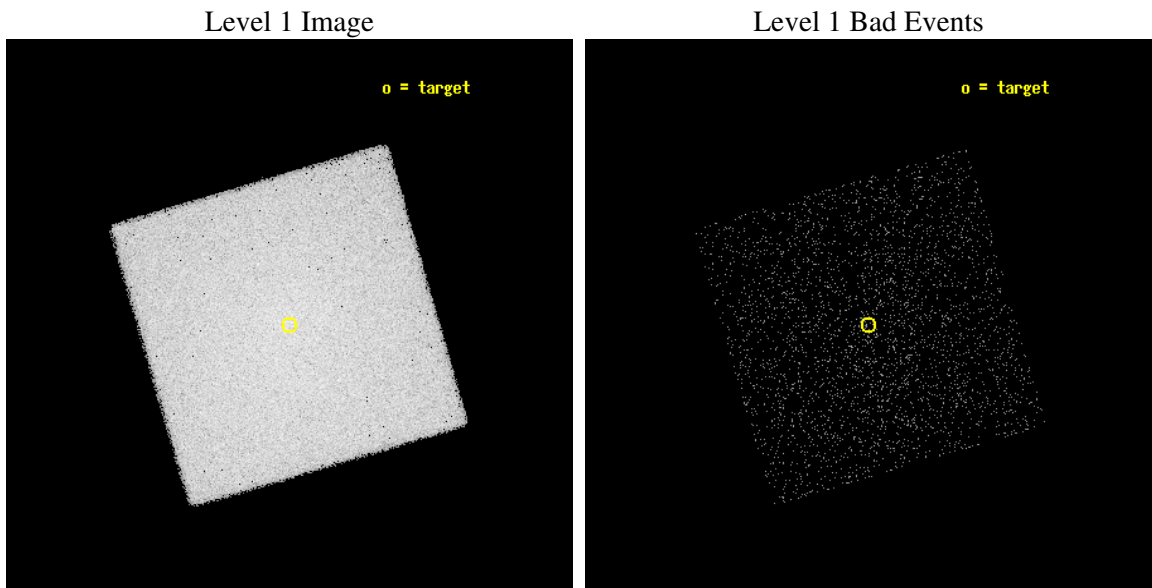
seq_num	100009
obs_id	1818
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	348.522672
dec_targ	8.125642
ra_nom	348.52161499225
dec_nom	8.1302007468715
roll_nom	118.68341318768
revision	3
ontime	2537.1313492358
livetime	2473.0928719965
l2events	288628



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-20T17:41:46
revision	3

sched_exp_time	2250.000000
ontime	2537.1313492358
l1events	396428

### 2.1.3 Events

#### Level 1 Events

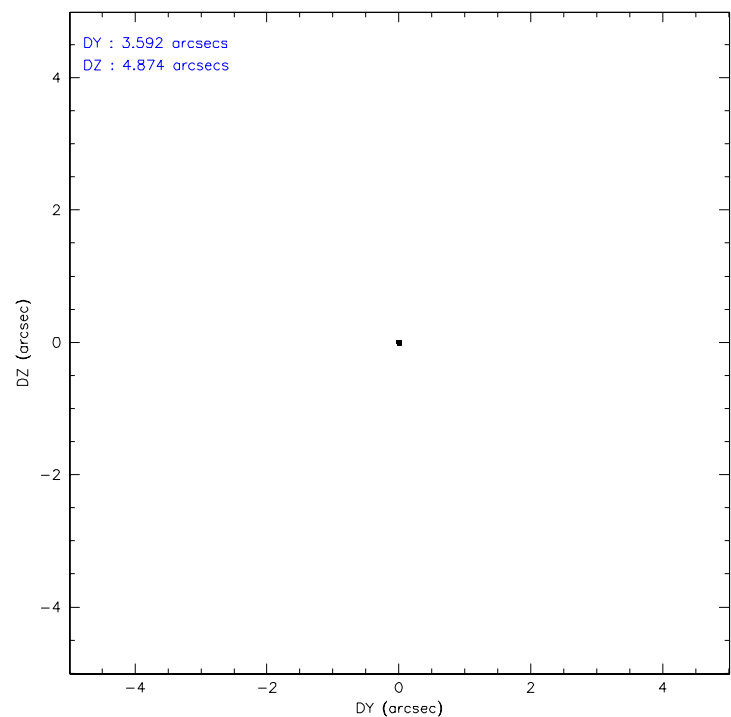
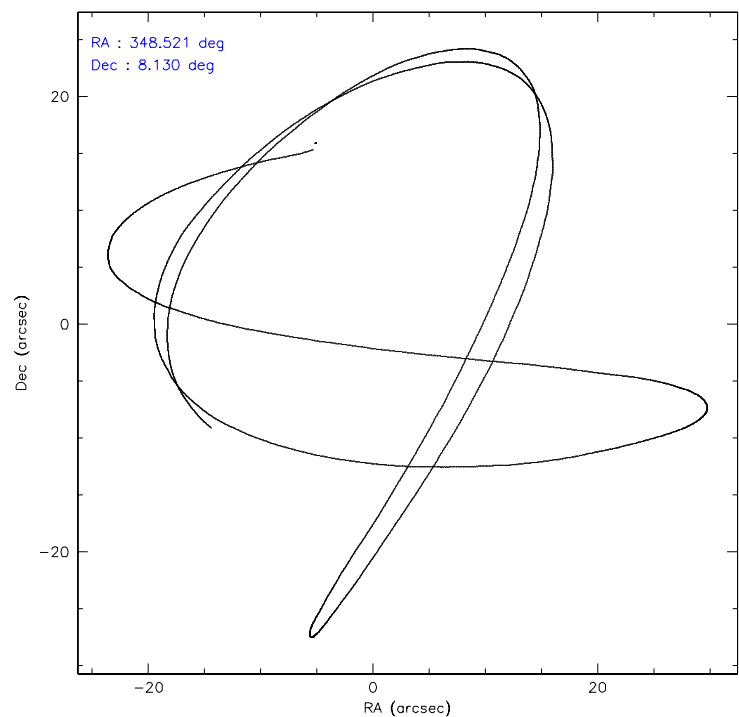
	<b>segment 0</b>
level 1 events	396428
rejected events	35786
rejected %	9%

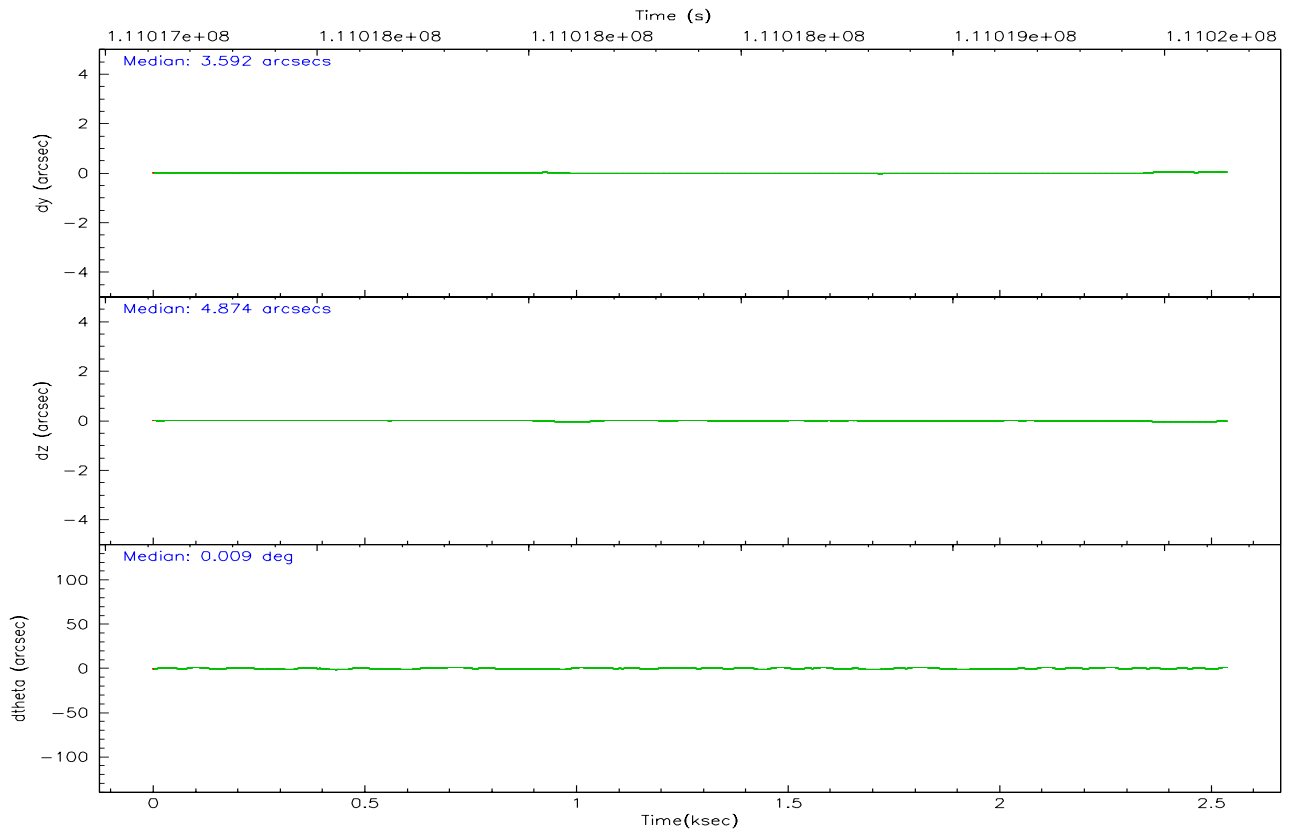
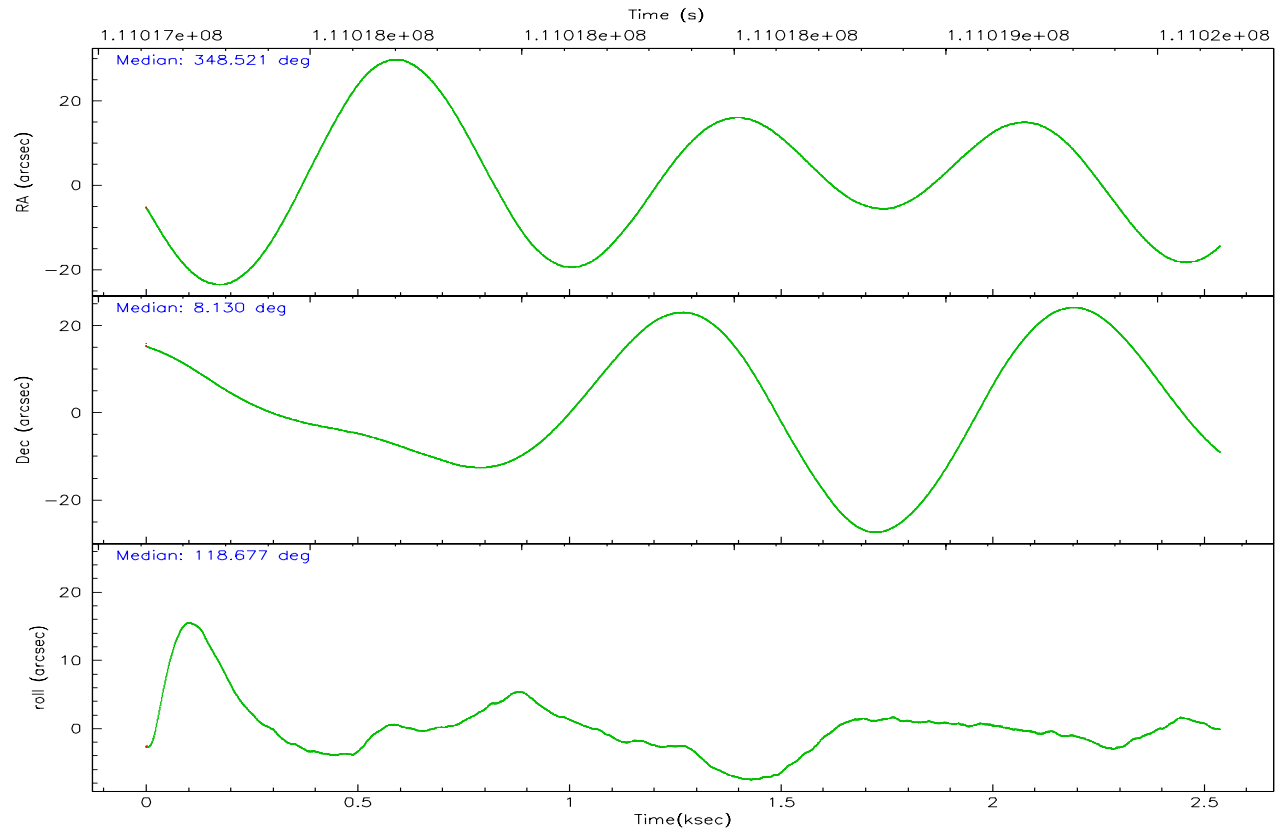
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	348.545938	348.5216149922476
Pointing Dec	8.116235	8.130200746871456
Pointing Roll	118.775530	118.6834131876806
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9854943052878
SIM translation stage offset (mm)	0	-5.413686238853188e-06
Observation start time	111017292.184000	111016916.48341
Observation start date	2001-07-08T22:07:08	2001-07-08T22:01:56
Observation end time	111019542.184000	111019963.80853
Observation end date	2001-07-08T22:44:38	2001-07-08T22:52:43

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

### 2.3 Aspect





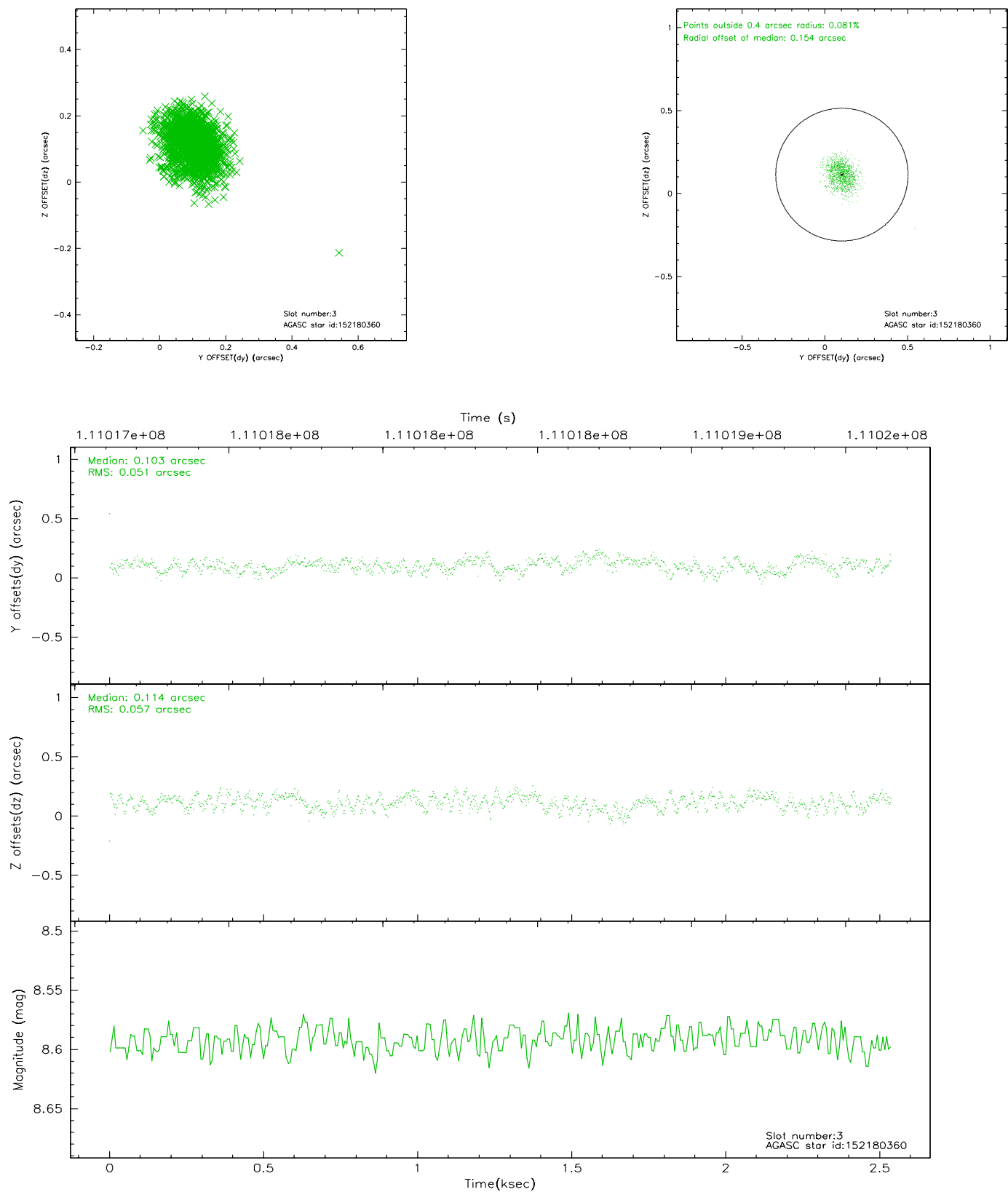
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	620	0.046	0.063	0.006	0.010	0.000000	0.000000	-759.04	-1292.64
1	FID	HRC-I-3	7.06	620	0.015	-0.097	0.007	0.012	0.000000	0.000000	-1188.78	1009.67
2	FID	HRC-I-4	7.00	620	0.053	-0.055	0.005	0.009	0.000000	0.000000	1281.84	1011.03
3	GUIDE	152180360	8.59	1239	0.103	0.114	0.080	0.128	349.110181	8.037159	-1219.22	-1628.42
4	GUIDE	152181664	8.63	1239	-0.226	0.279	0.070	0.119	348.774873	8.789488	1728.62	-1883.50
5	GUIDE	152188480	8.92	1239	-0.003	-0.113	0.082	0.222	348.517103	8.131940	97.45	59.51
6	GUIDE	152184592	9.64	1238	-0.024	-0.130	0.097	0.162	348.366260	8.397865	1193.95	71.05
7	GUIDE	76417928	9.88	1231	0.161	-0.155	0.130	0.211	348.460608	7.395636	-2129.20	1513.76

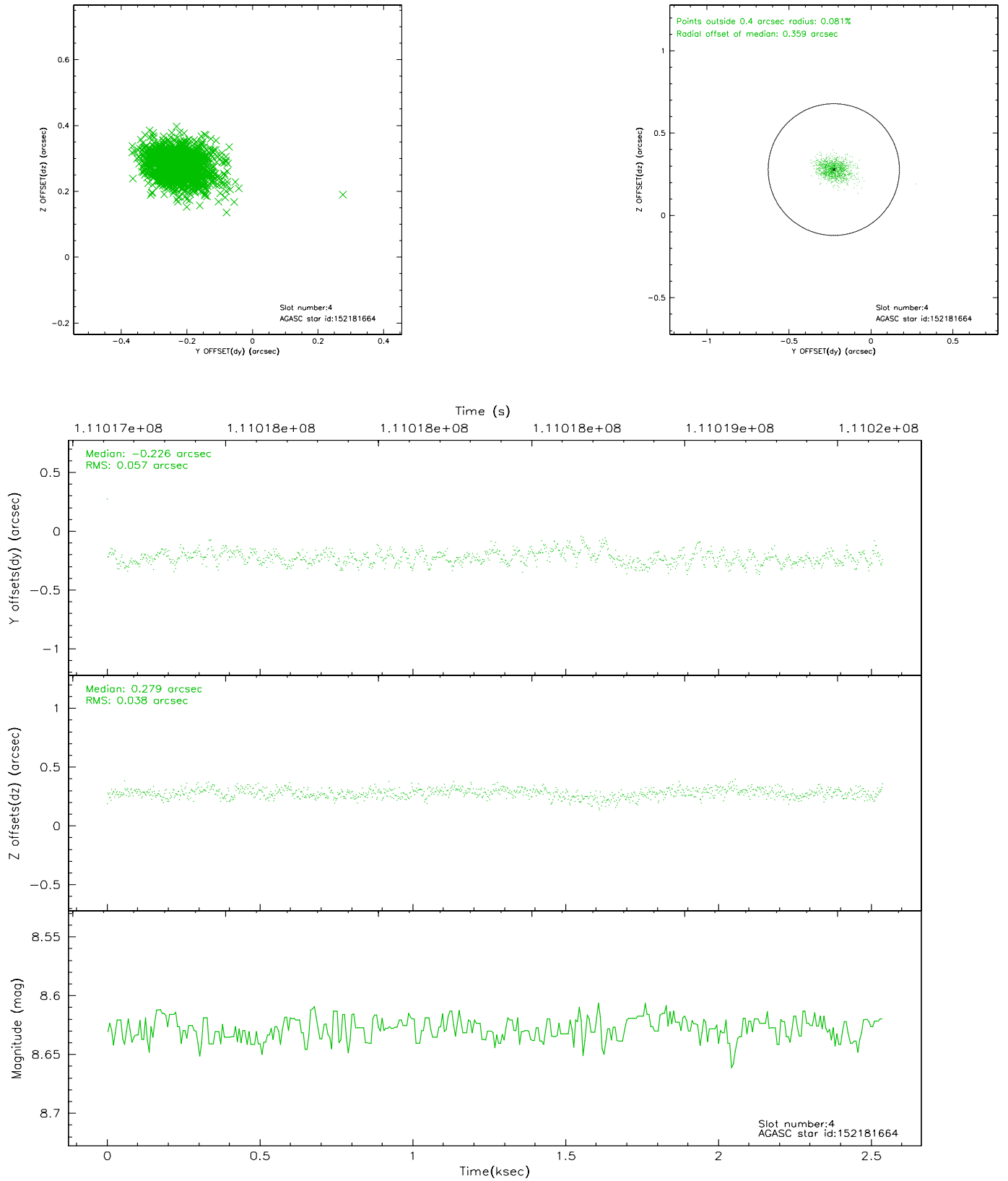


## 2.4 Star Slots

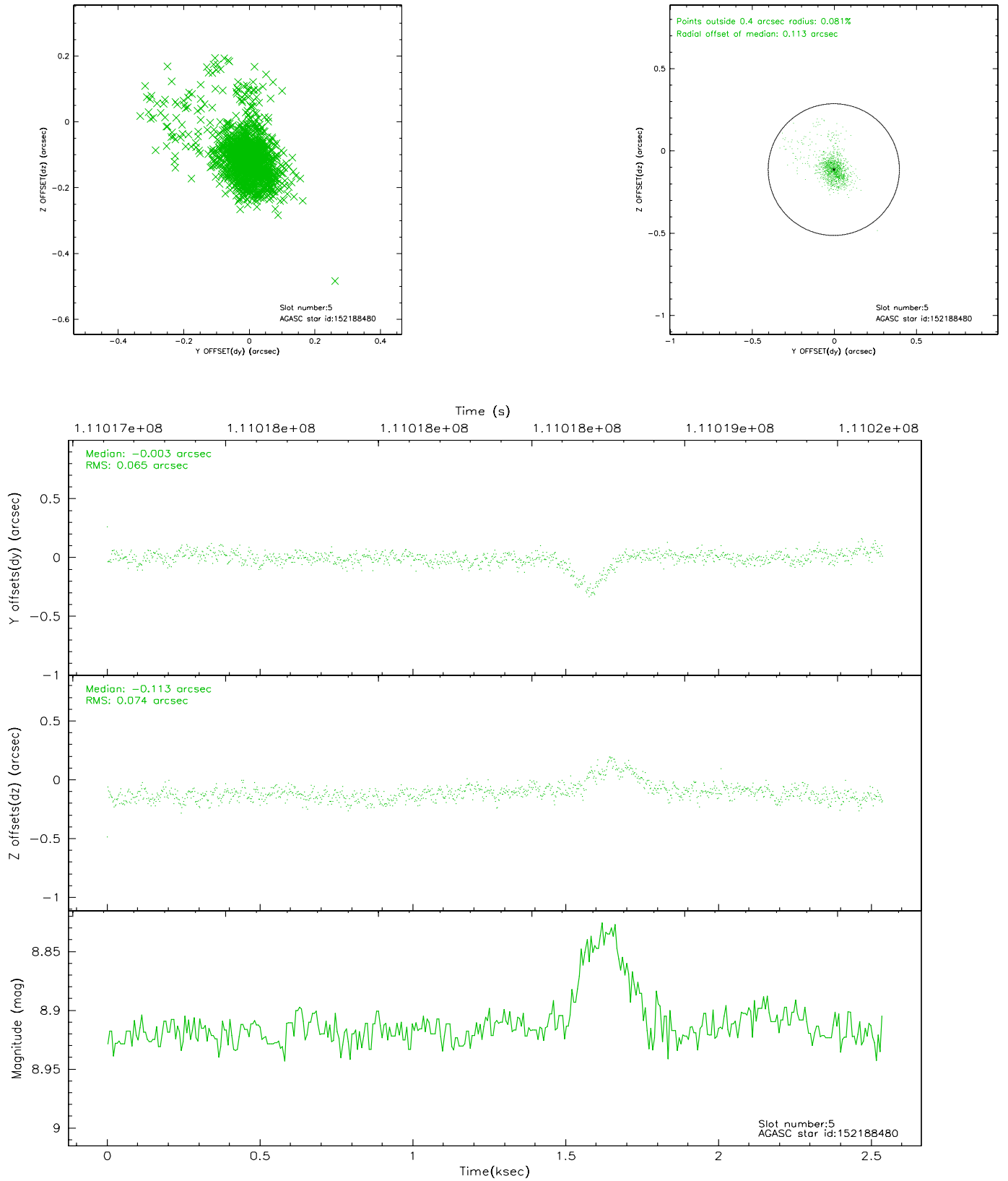
### 2.4.1 Slot 3



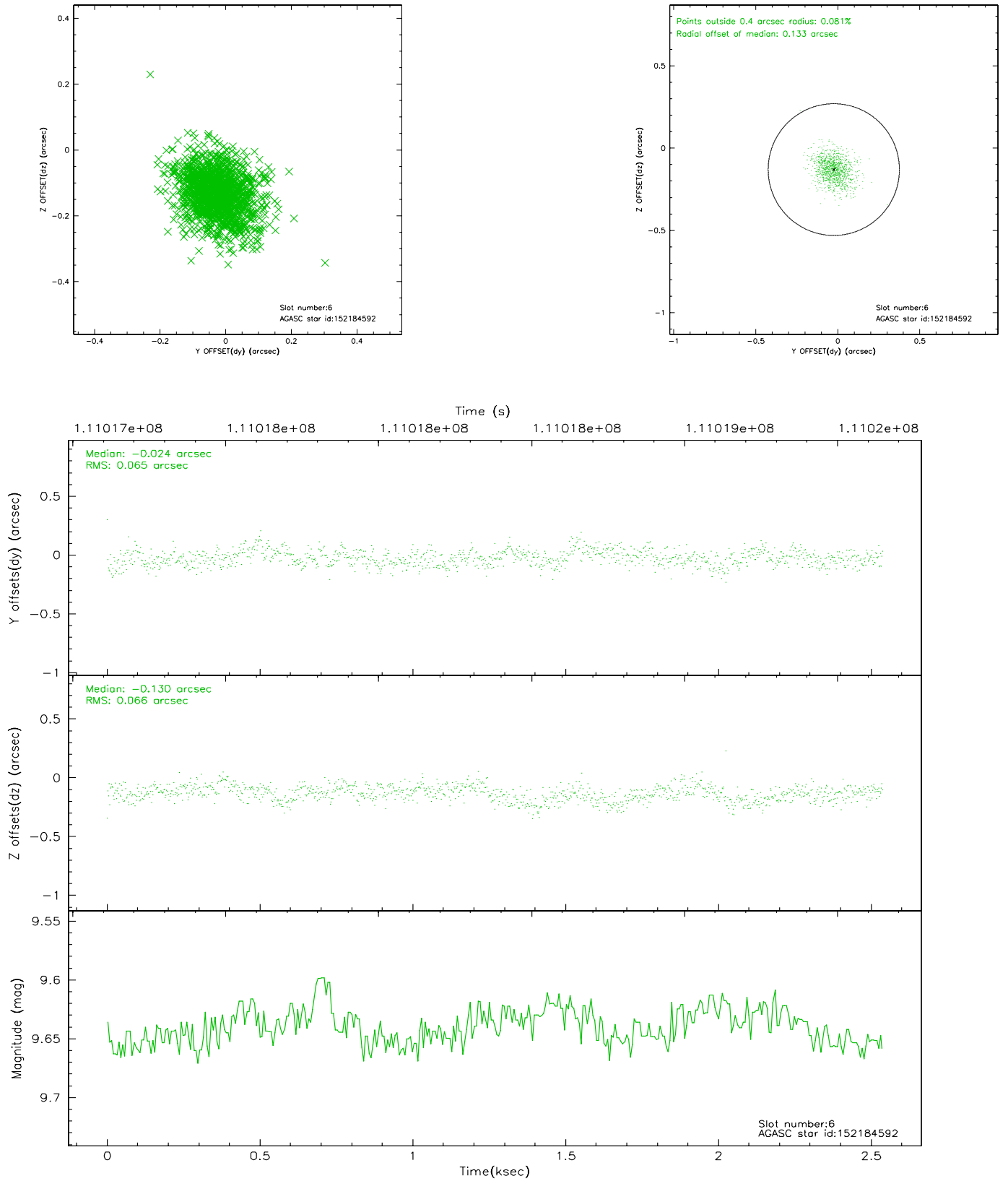
## 2.4.2 Slot 4



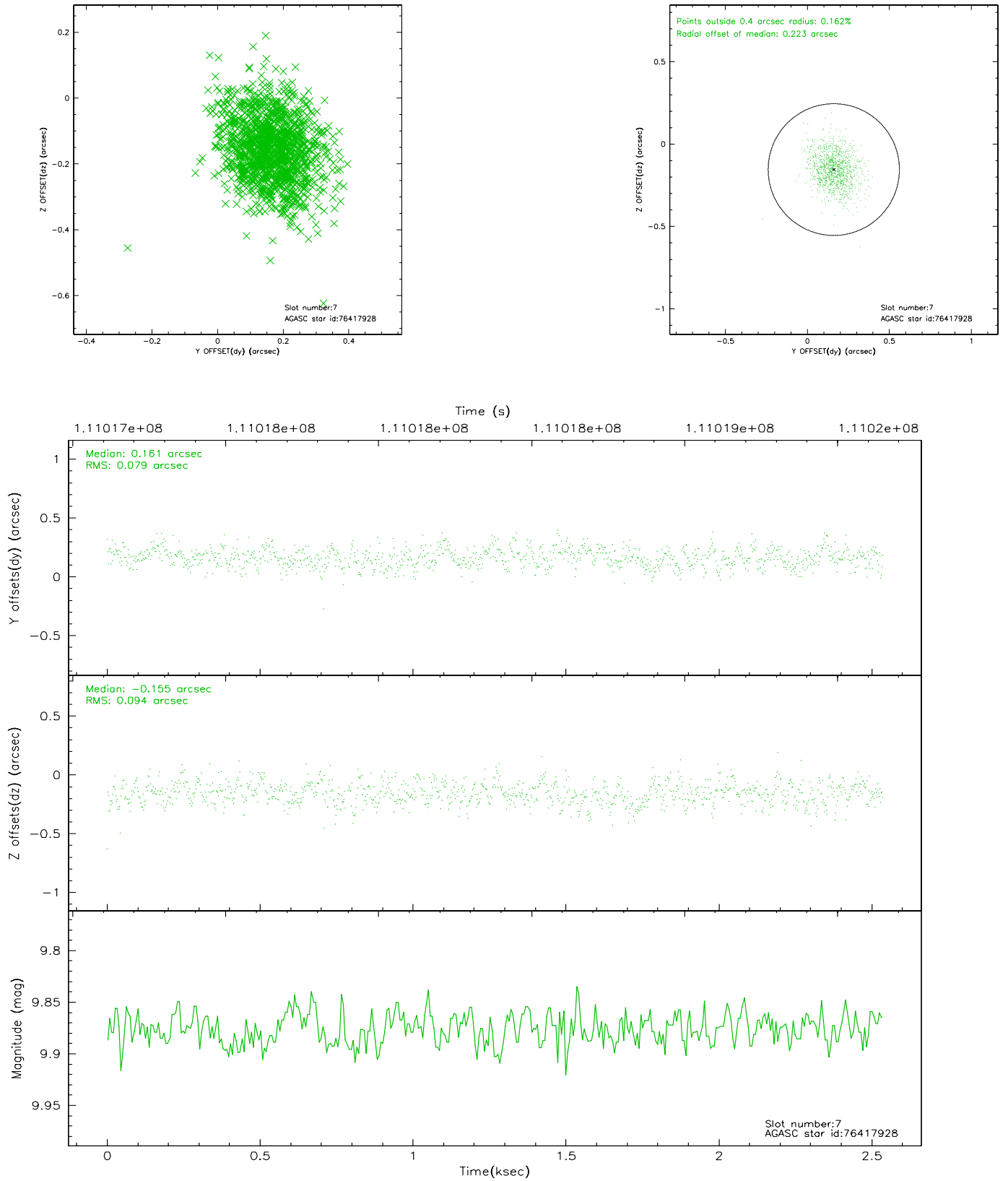
### 2.4.3 Slot 5



## 2.4.4 Slot 6

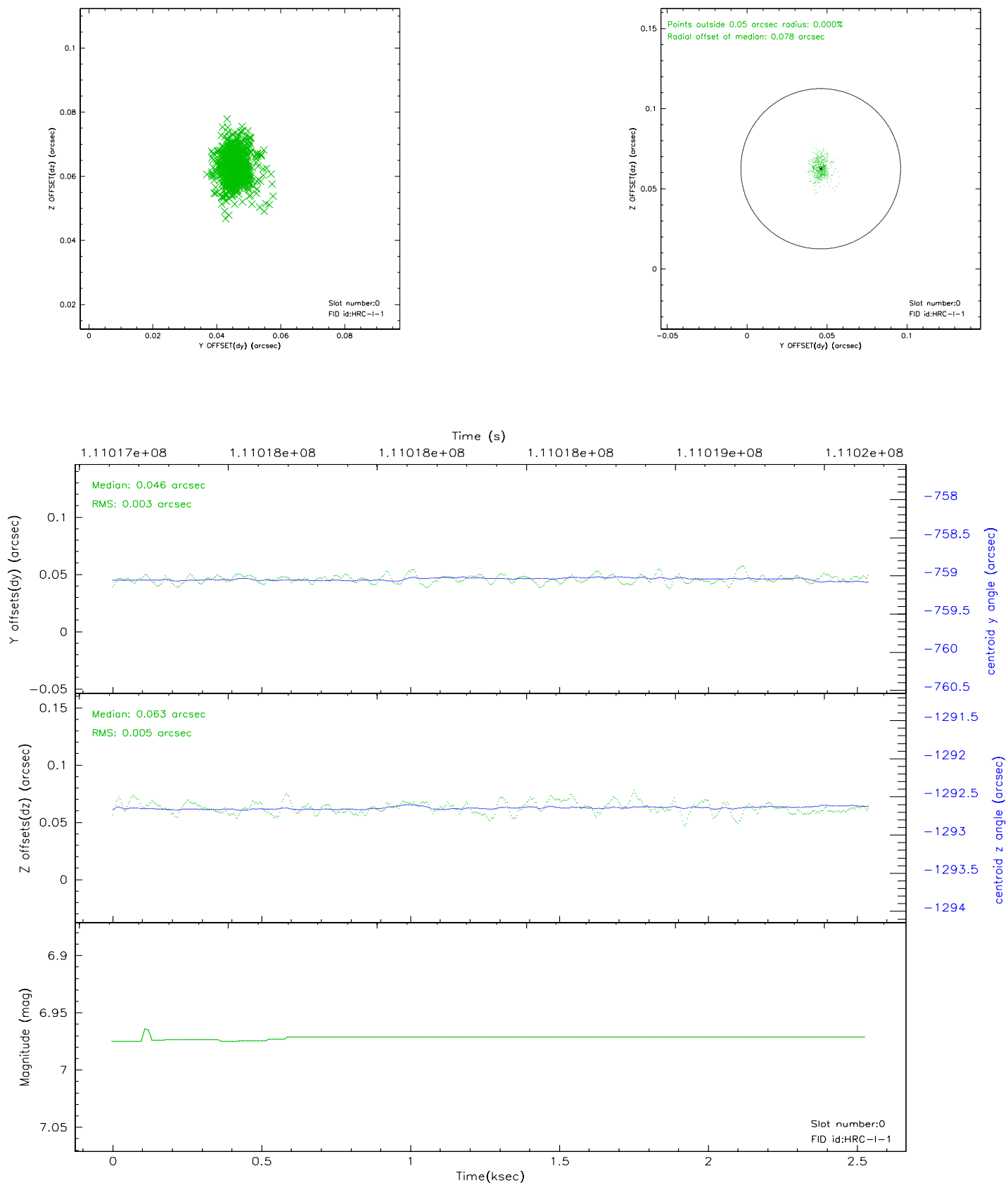


## 2.4.5 Slot 7

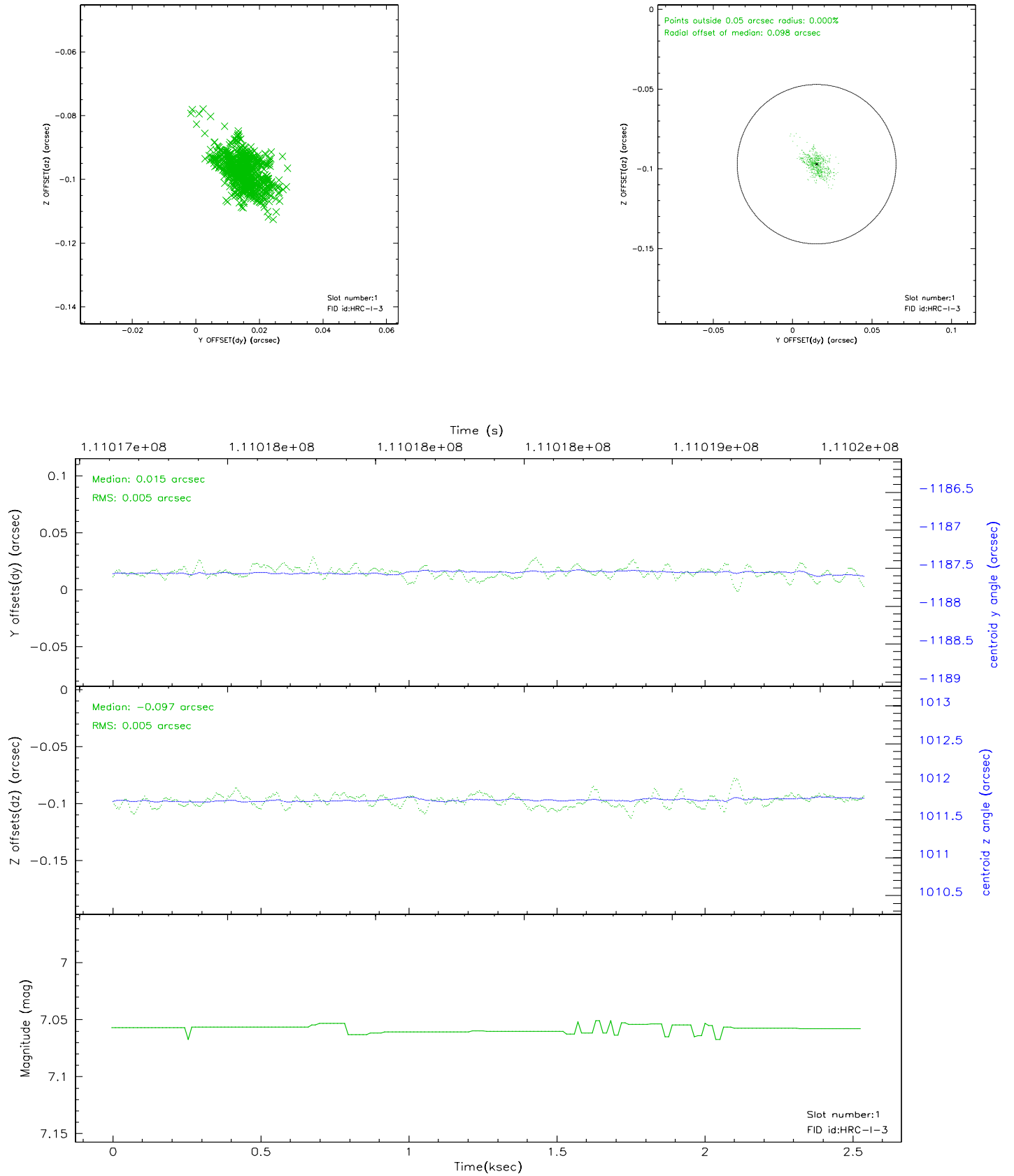


## 2.5 FID Slots

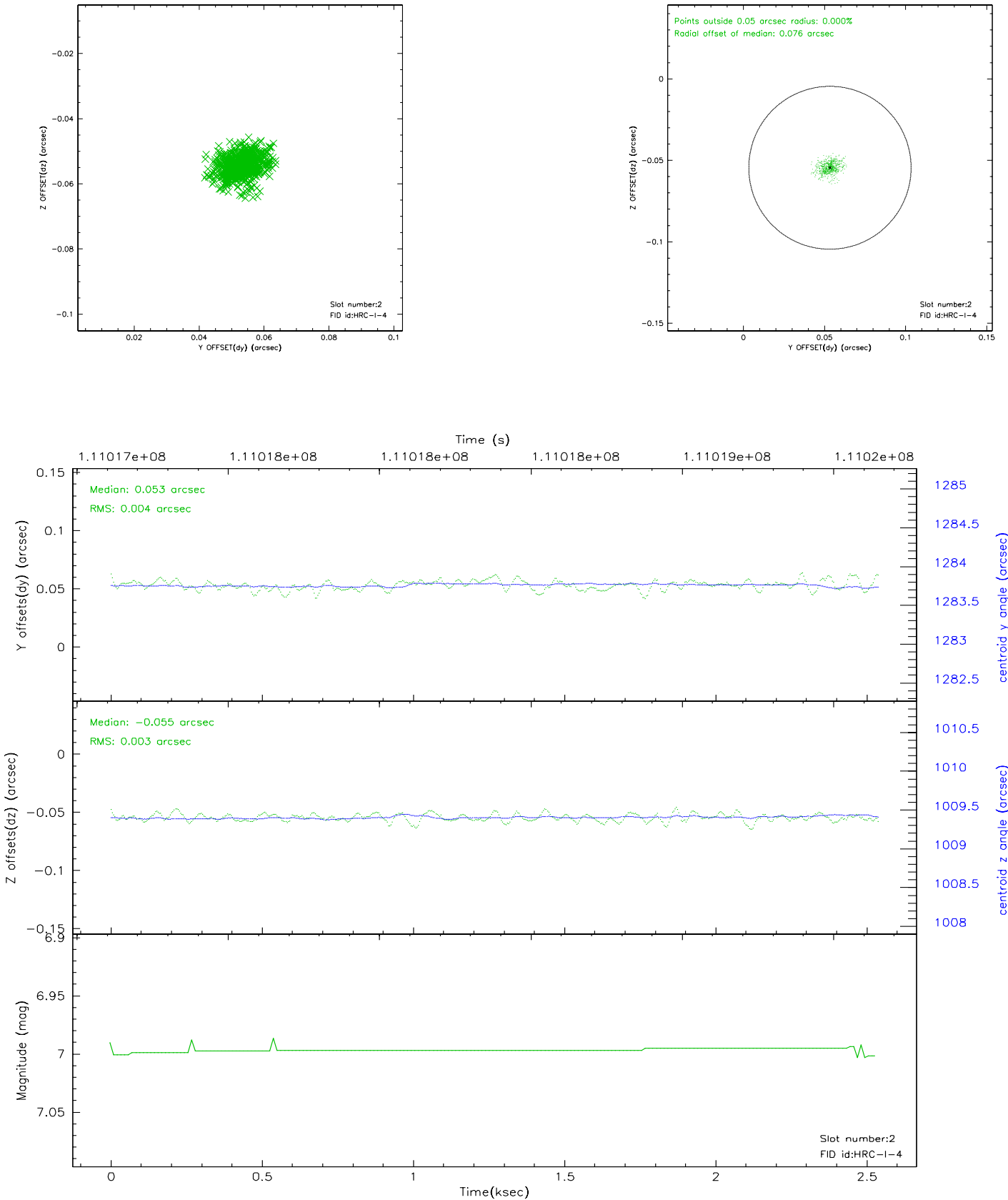
### 2.5.1 Slot 0



## 2.5.2 Slot 1

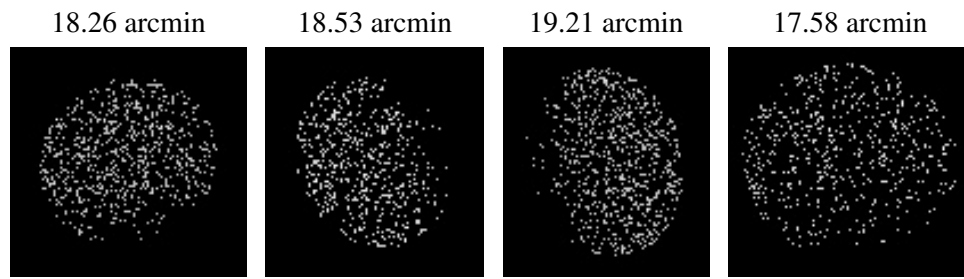


2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.5

## A.2 Comments

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.