

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2590 - L2 Version 001  
Chandra X-Ray Center

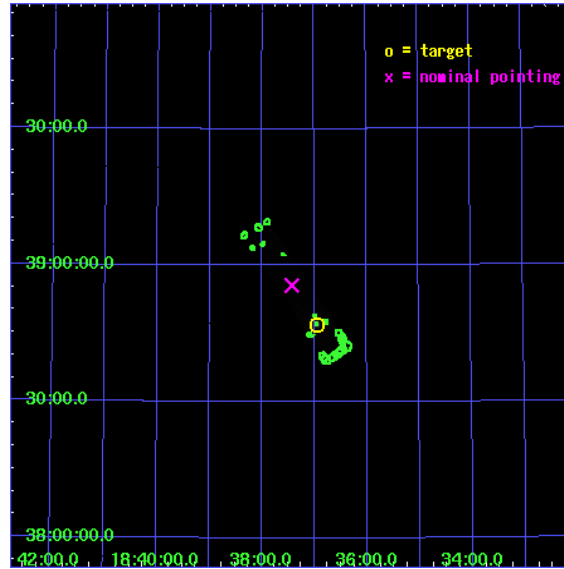
L2 Processing Date : Sep 2 2006

## 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

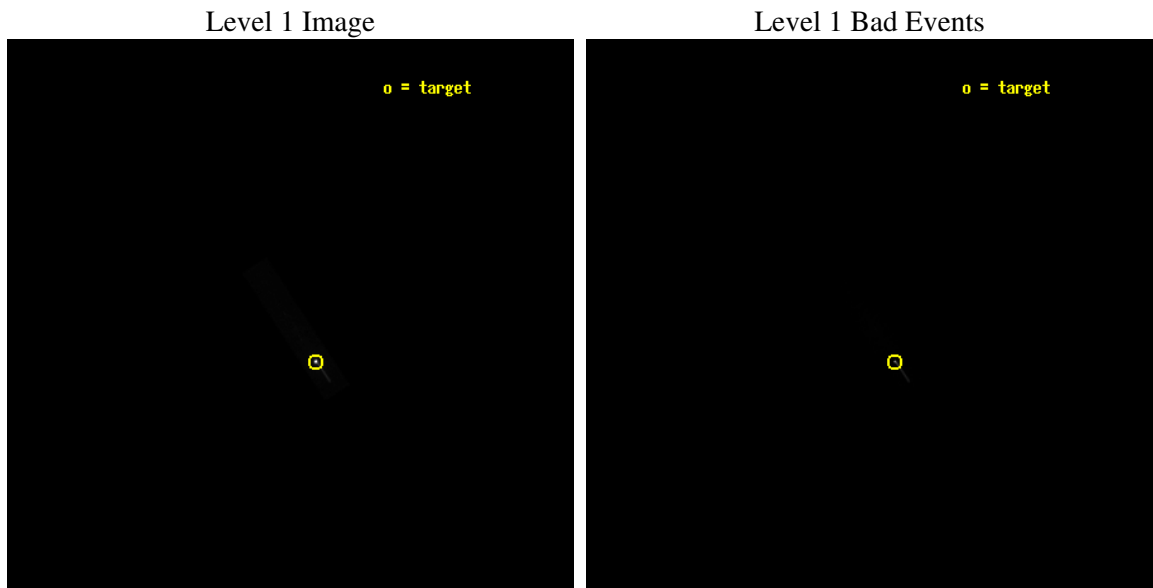
seq_num	290146
obs_id	2590
title	AO3 CALIBRATION OBSERVATIONS OF VEGA
observer	Dr. CXC Calibration
object	VEGA
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.35648432677
dec_nom	38.92675621176
roll_nom	56.561308785389
revision	2
ontime	3142.9063769132
livedtime	2747.8035465105
l2events	548636



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-09-02T12:52:23
revision	2

sched_exp_time	3000.000000
ontime	3189.0313787758
l1events	646230

### 2.1.3 Events

Level 1 Events

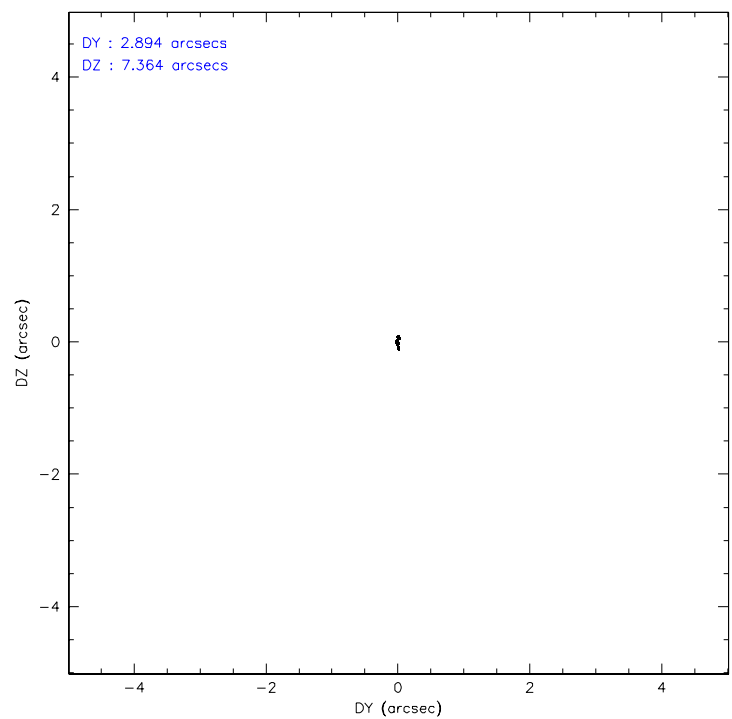
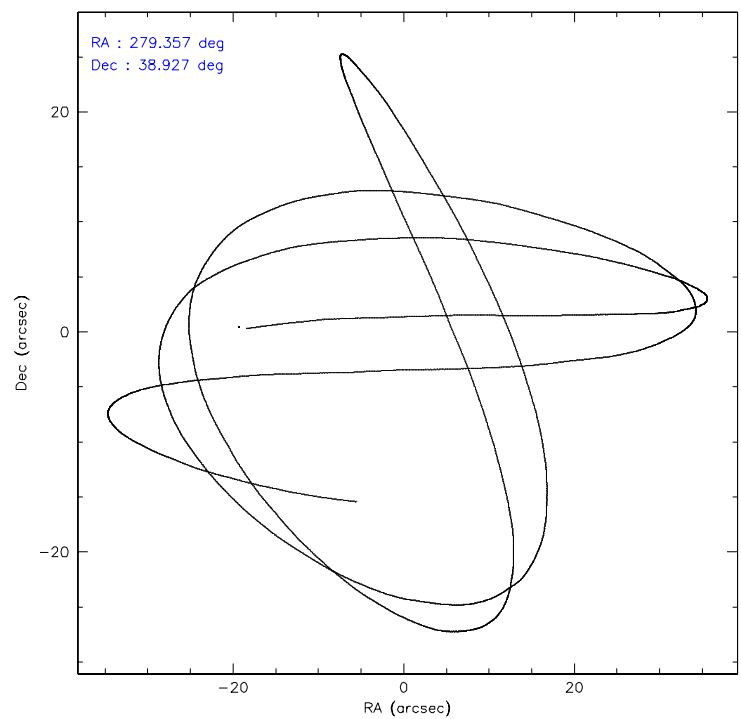
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	886	644508	836
rejected events	886	88022	836
rejected %	100%	13%	100%

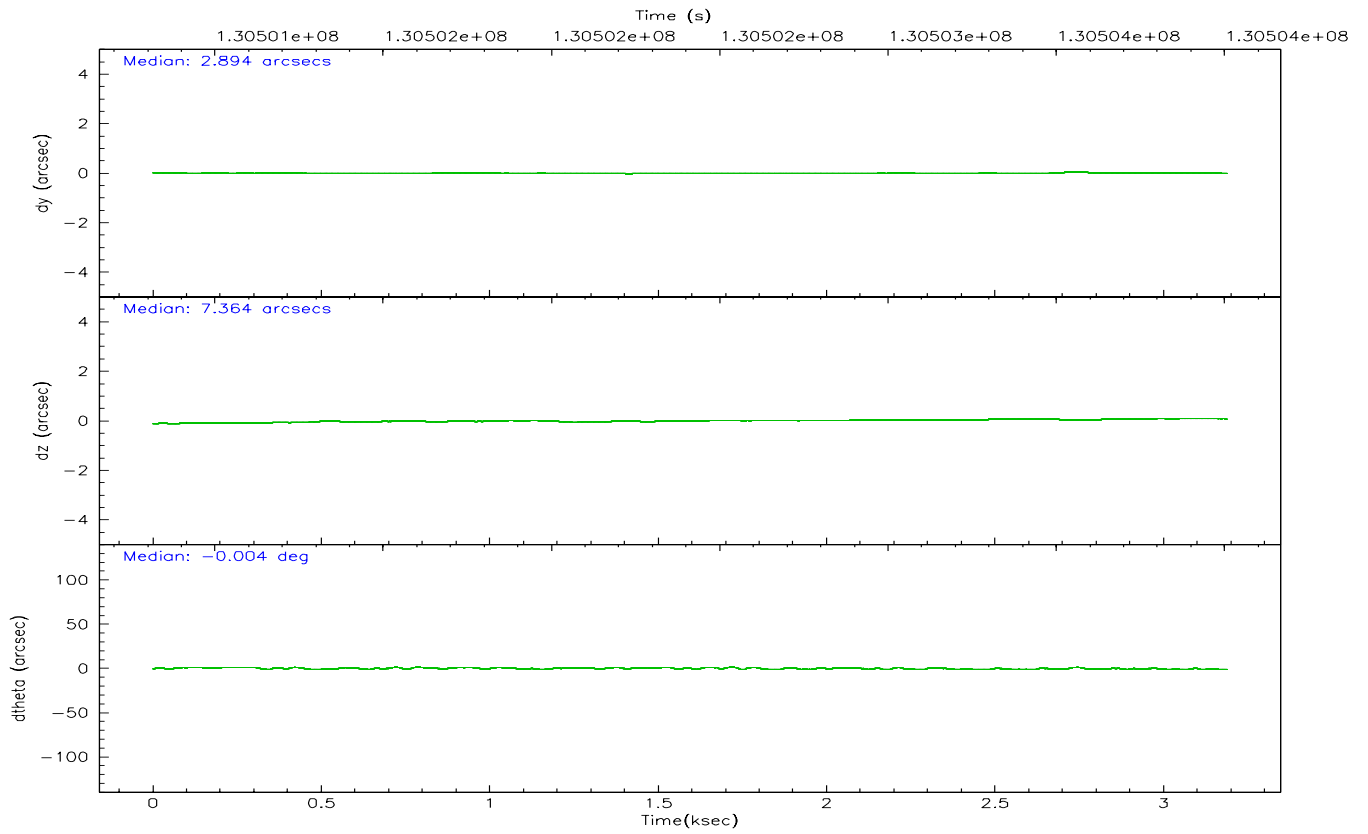
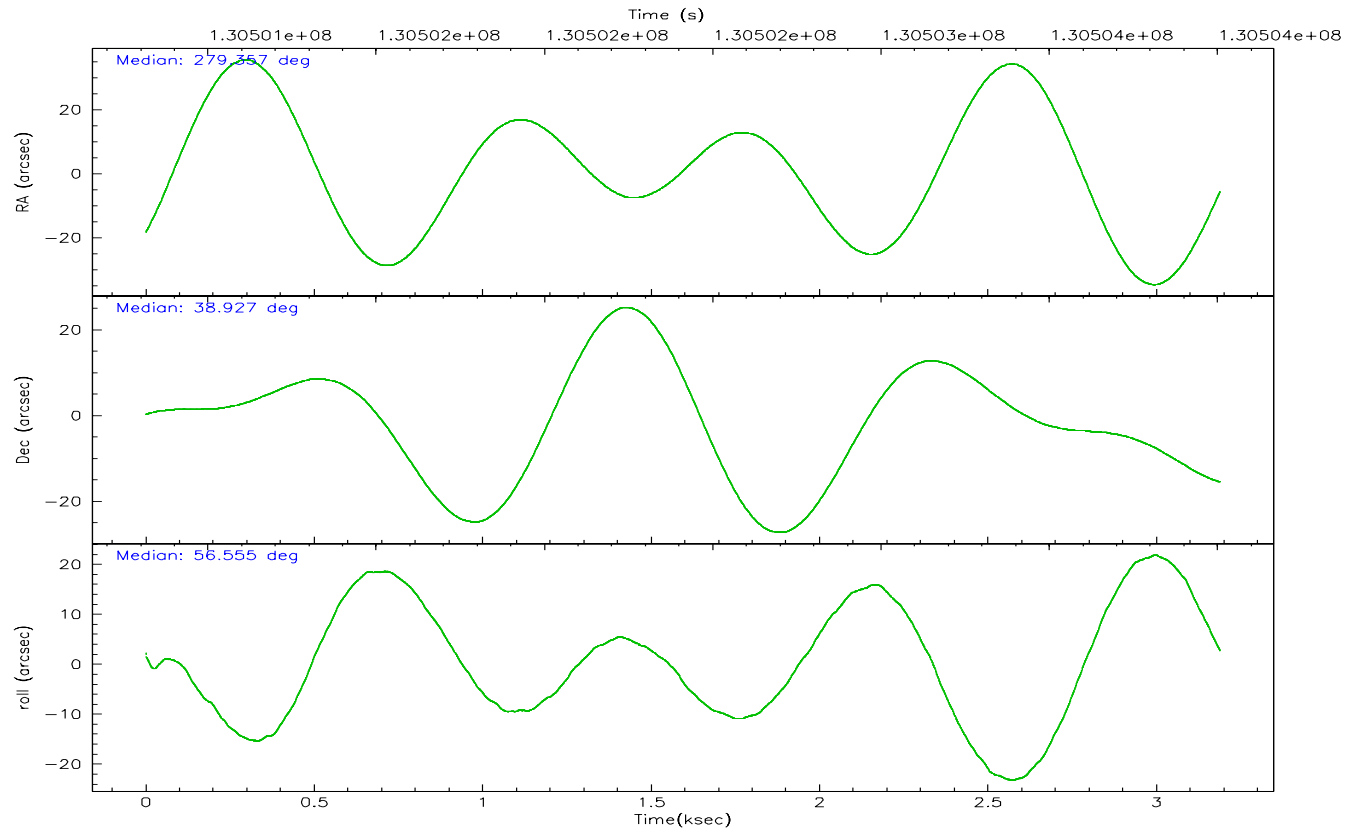
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	279.356097	279.3564843267732
Pointing Dec	38.898039	38.92675621176022
Pointing Roll	56.494227	56.56130878538931
Window start time	128908864.184000	128908864.184000
Window stop time	131241664.184000	131241664.184000
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	130501005.184000	130500629.24634
Observation start date	2002-02-19T10:15:41	2002-02-19T10:10:29
Observation end time	130504005.184000	130504139.35898
Observation end date	2002-02-19T11:05:41	2002-02-19T11:08:59

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

## 2.3 Aspect





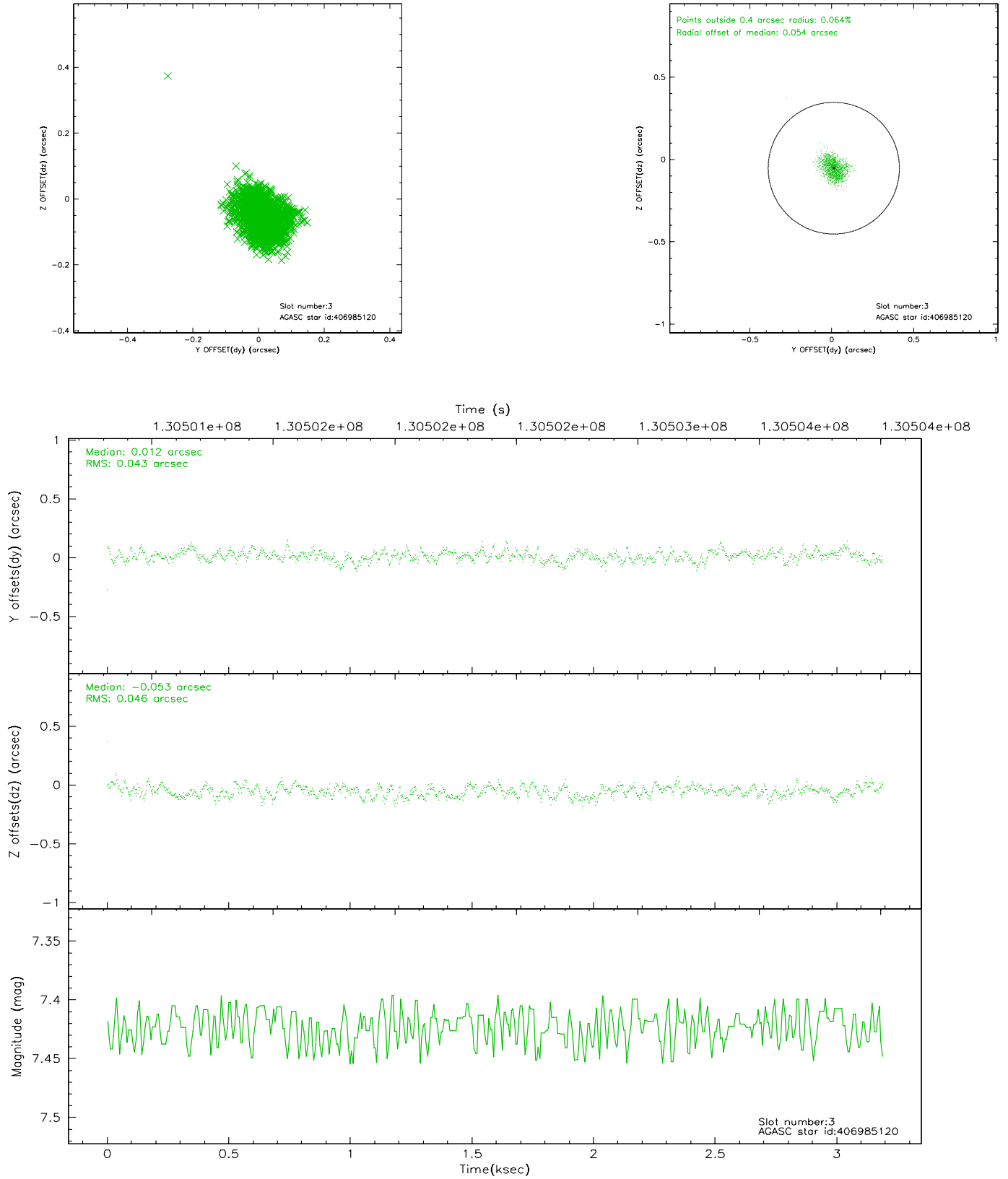
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.96	778	0.138	-0.078	0.008	0.013	0.000000	0.000000	-1156.92	-455.89
1	FID	HRC-S-2	6.97	778	0.100	-0.091	0.009	0.015	0.000000	0.000000	1241.23	-449.11
2	FID	HRC-S-3	6.99	778	0.153	-0.133	0.008	0.014	0.000000	0.000000	-1158.04	573.01
3	GUIDE	406985120	7.42	1557	0.012	-0.053	0.068	0.103	278.839732	38.894839	-805.34	1202.15
4	GUIDE	406989616	8.23	1557	0.080	0.056	0.075	0.120	279.202881	38.520843	-1370.96	-388.87
5	GUIDE	407521232	8.66	1557	-0.024	-0.057	0.068	0.111	279.628883	39.431715	2020.33	428.64
6	GUIDE	406985256	8.62	1557	0.036	-0.042	0.060	0.100	278.693335	38.842203	-1187.03	1442.44
7	GUIDE	406979352	9.26	1554	-0.102	0.102	0.081	0.129	279.968297	39.230258	1943.03	-759.15

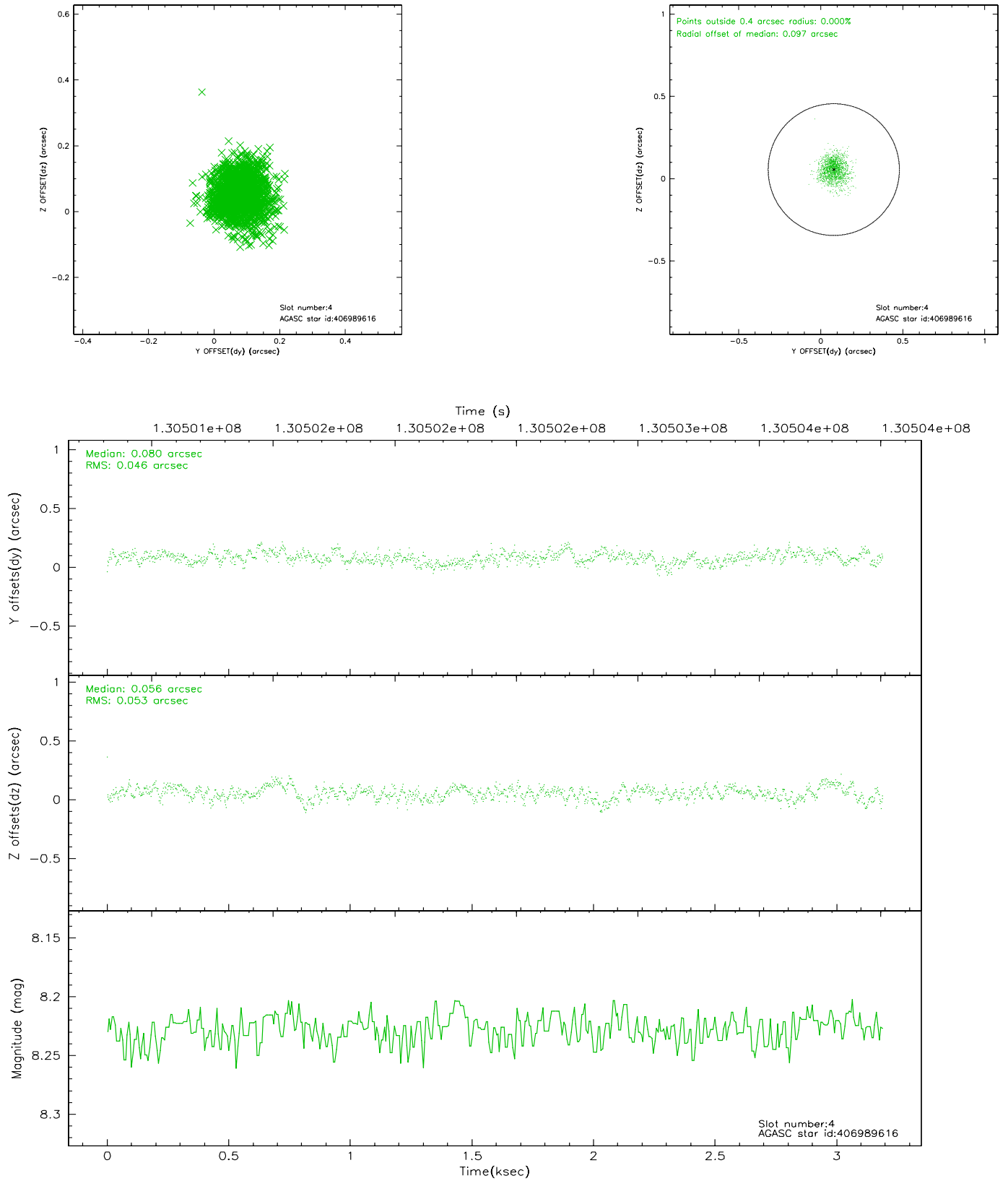


## 2.4 Star Slots

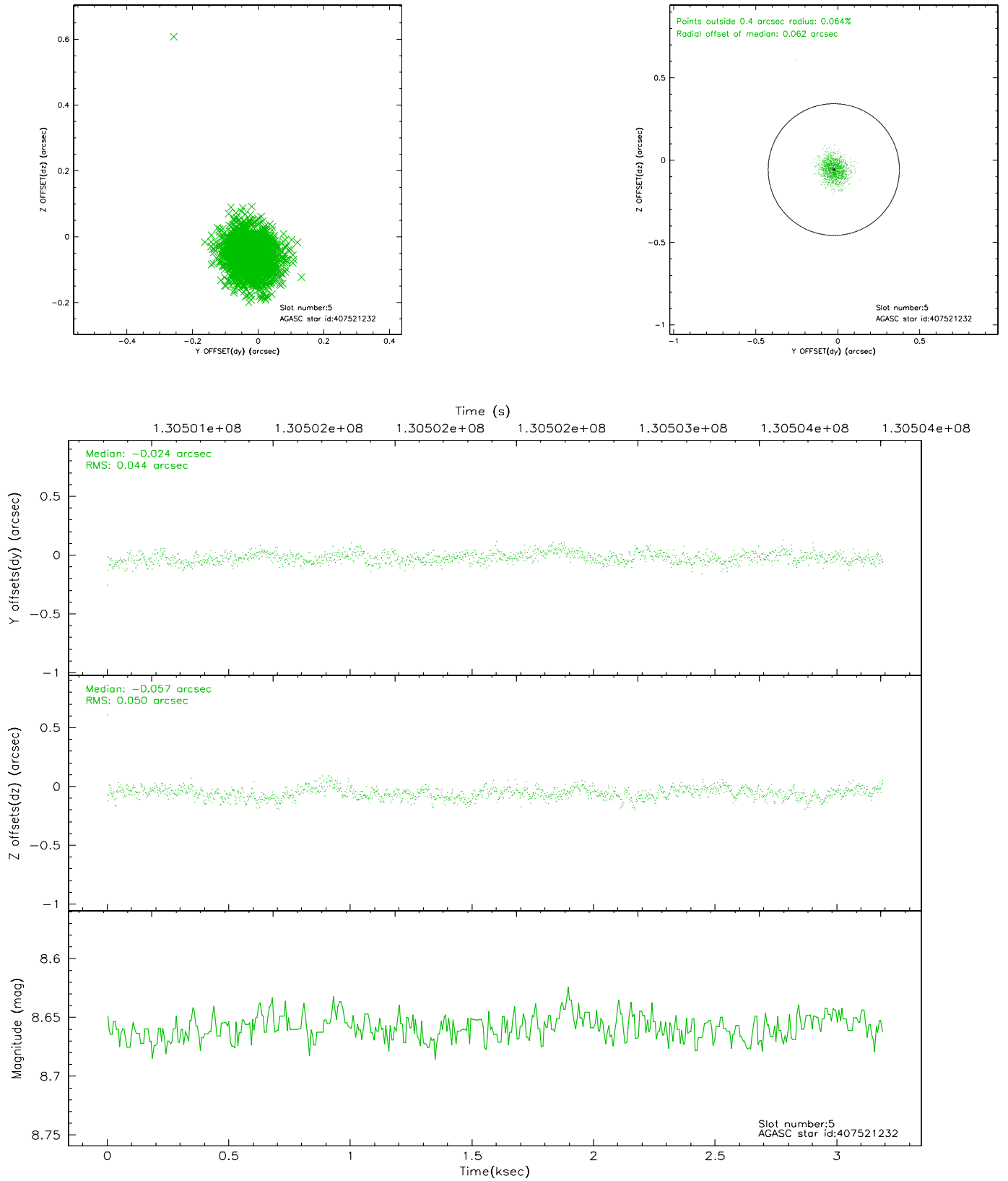
### 2.4.1 Slot 3



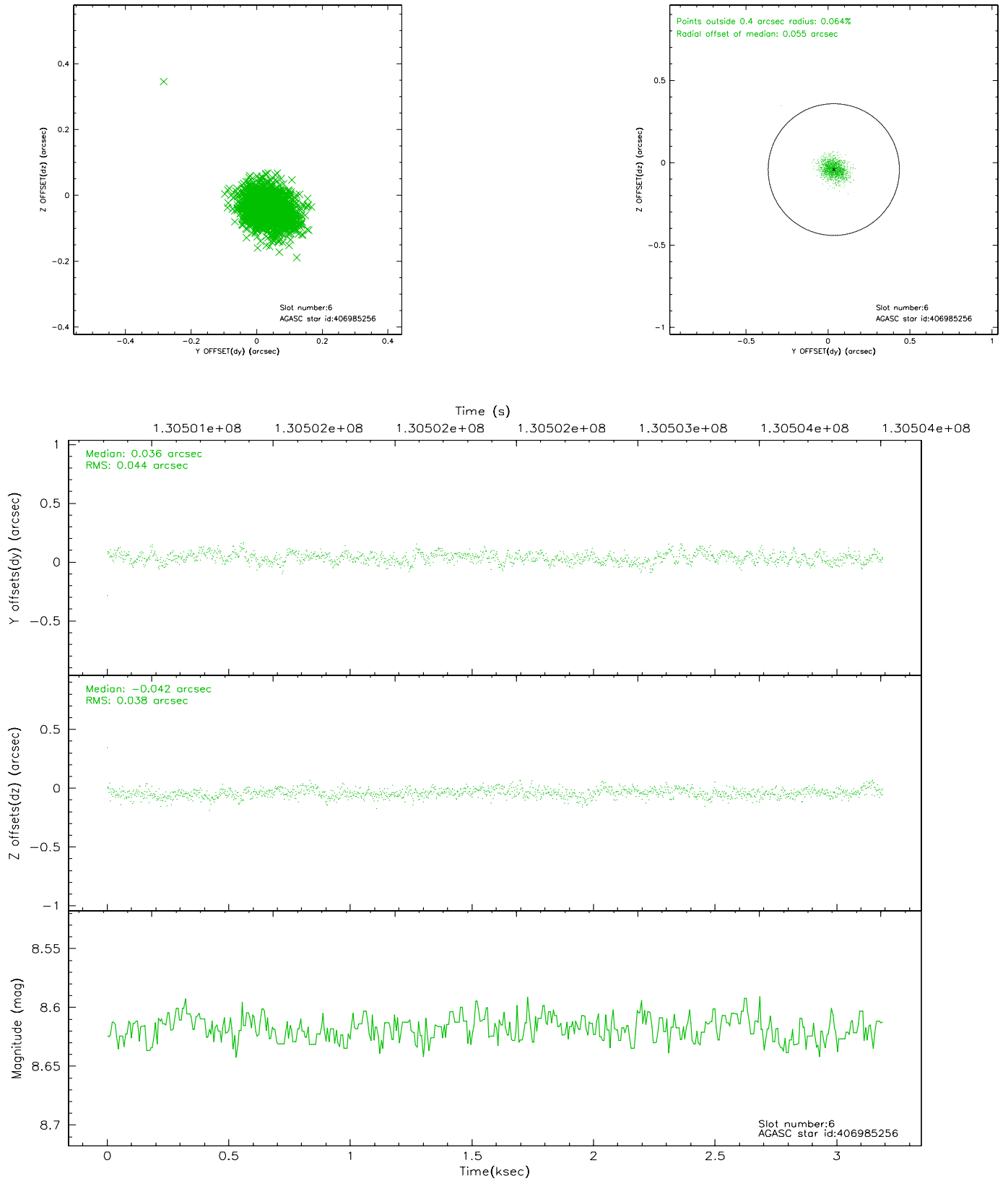
## 2.4.2 Slot 4



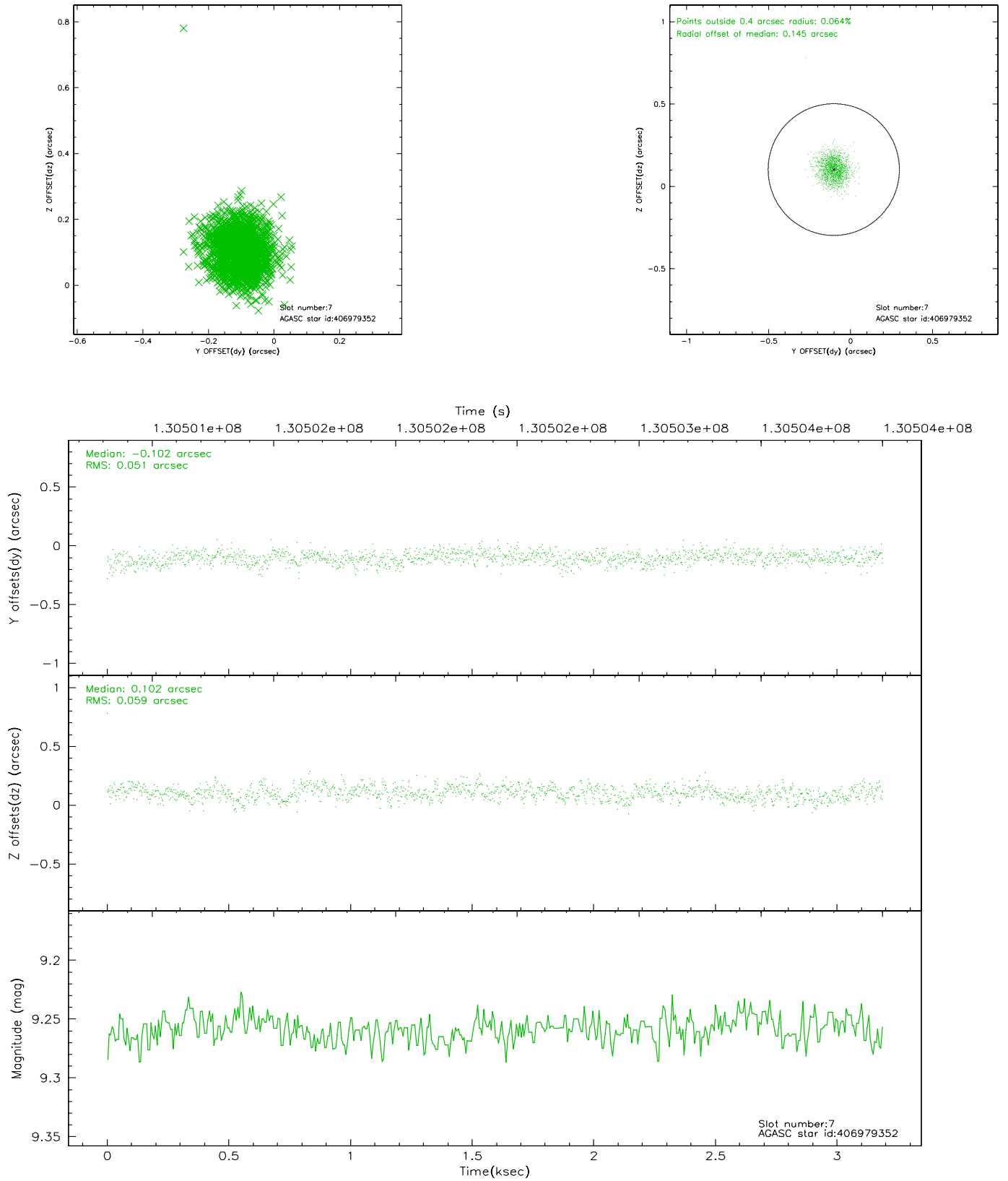
### 2.4.3 Slot 5



## 2.4.4 Slot 6

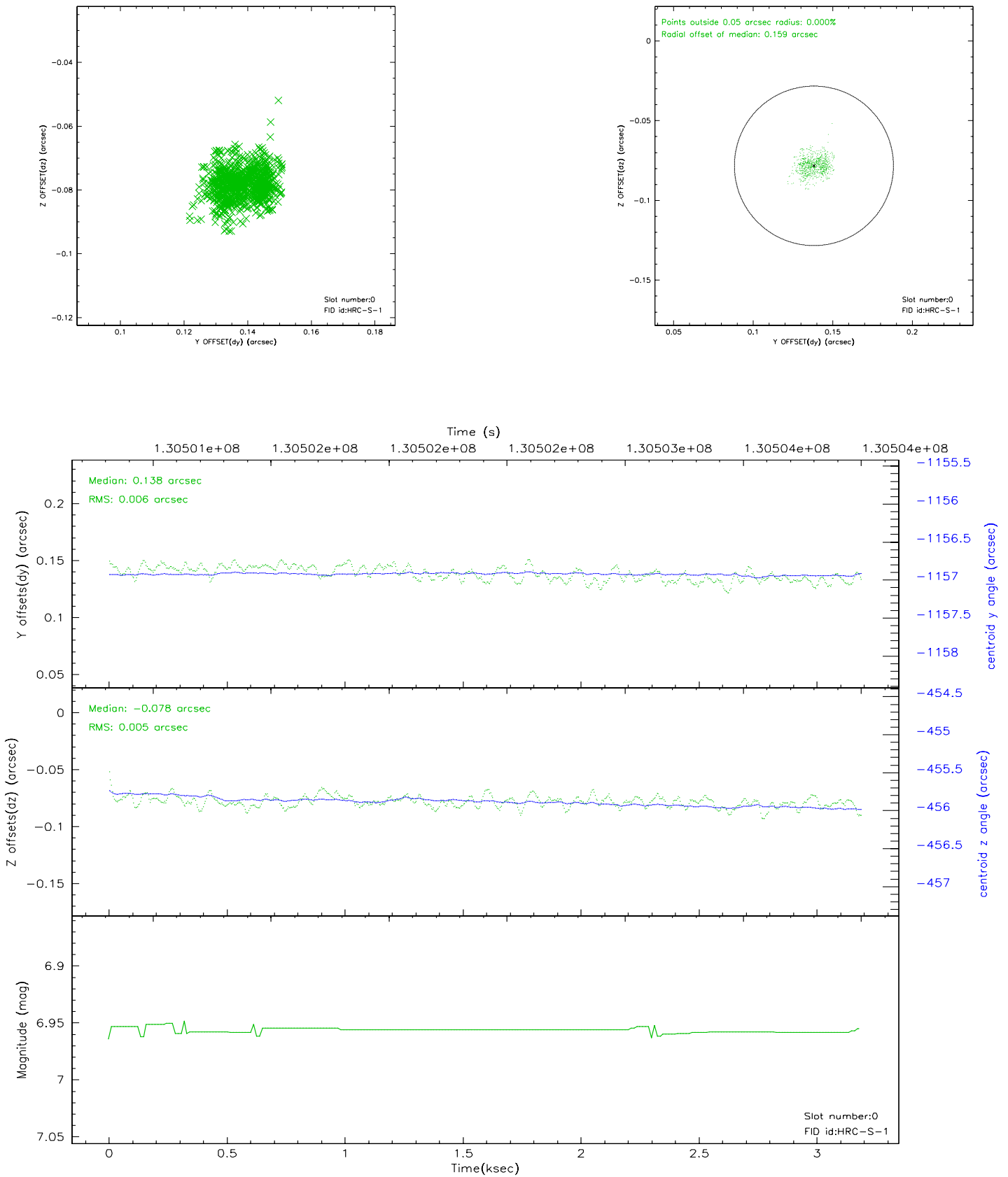


## 2.4.5 Slot 7

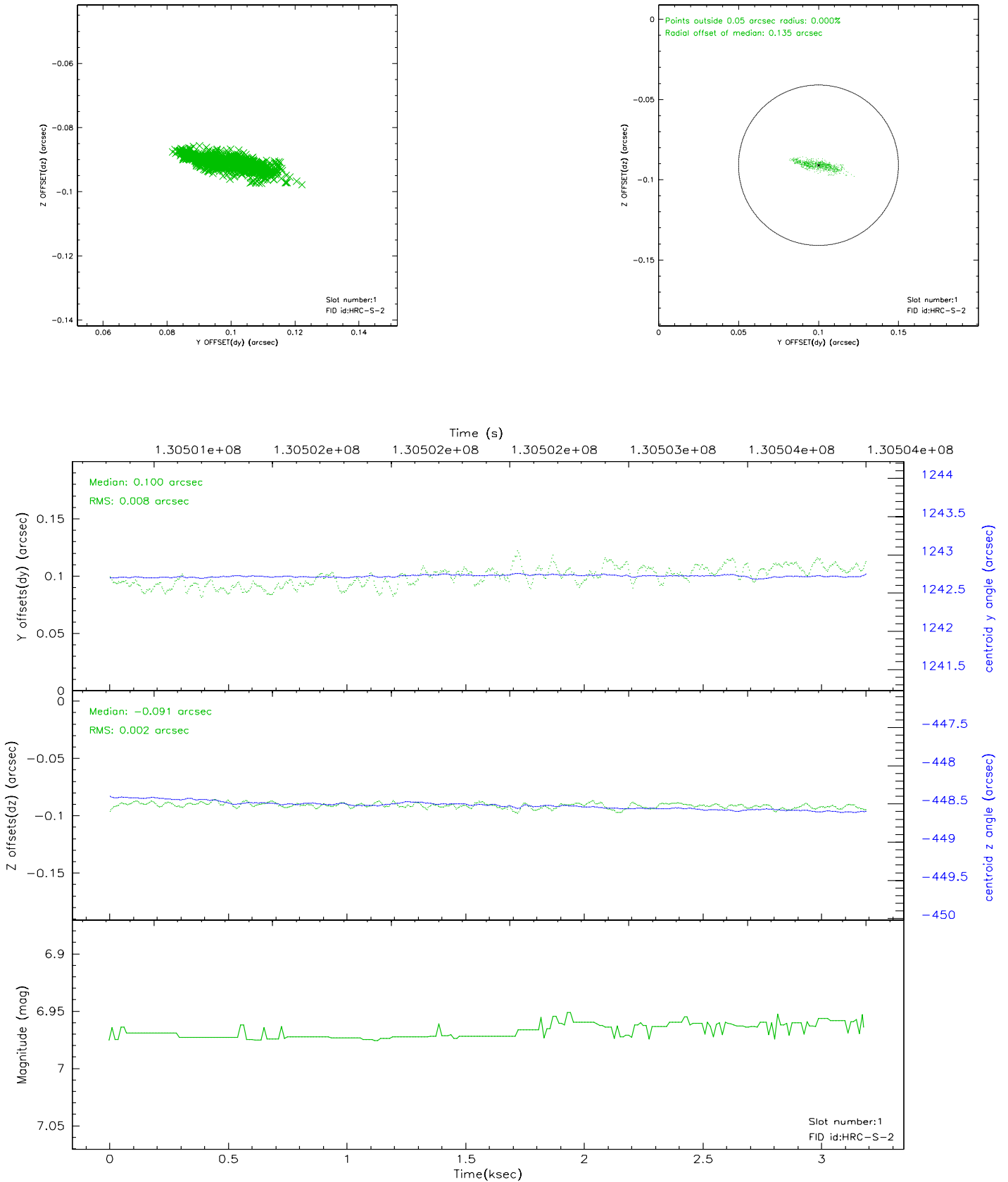


## 2.5 FID Slots

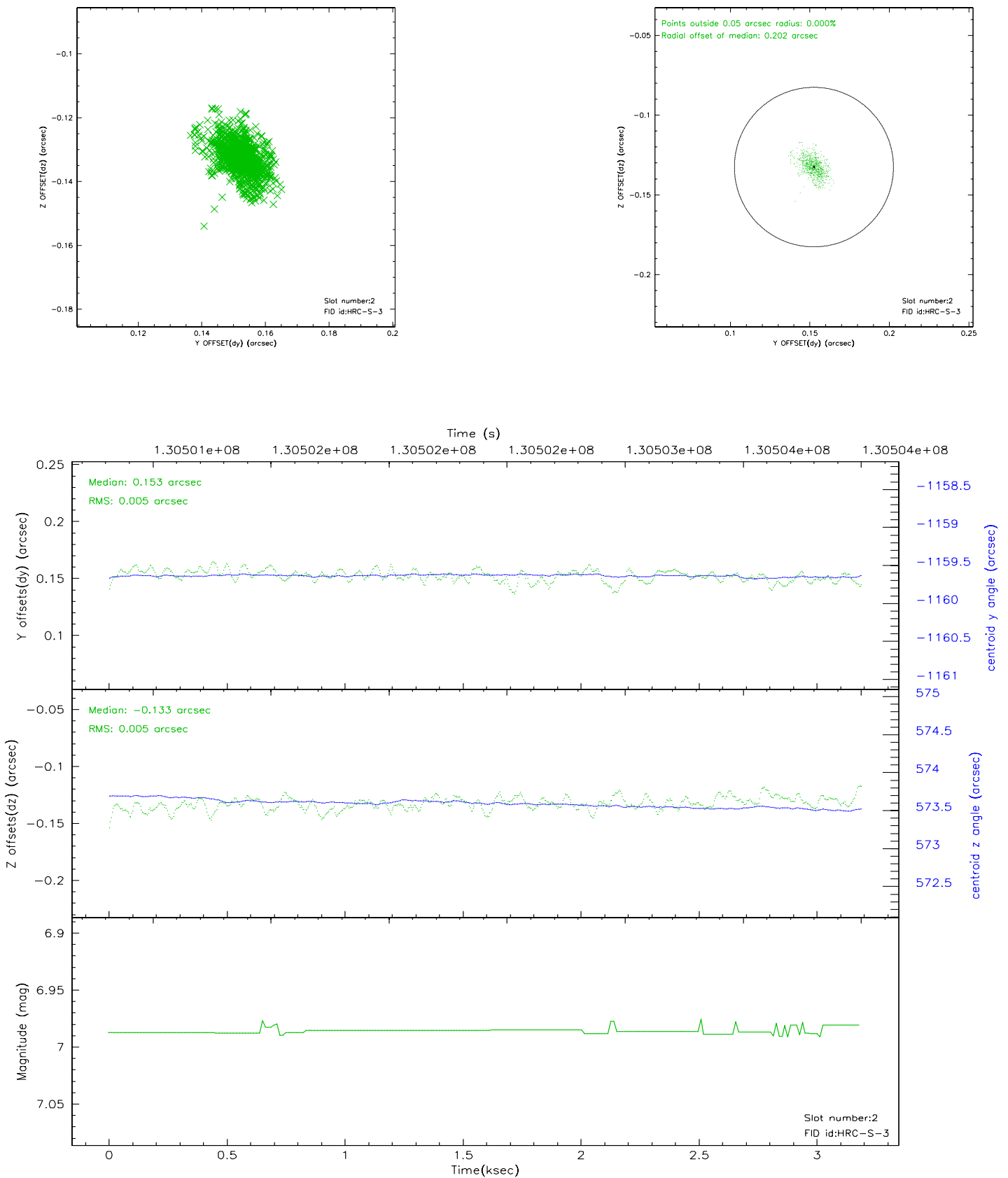
### 2.5.1 Slot 0



## 2.5.2 Slot 1

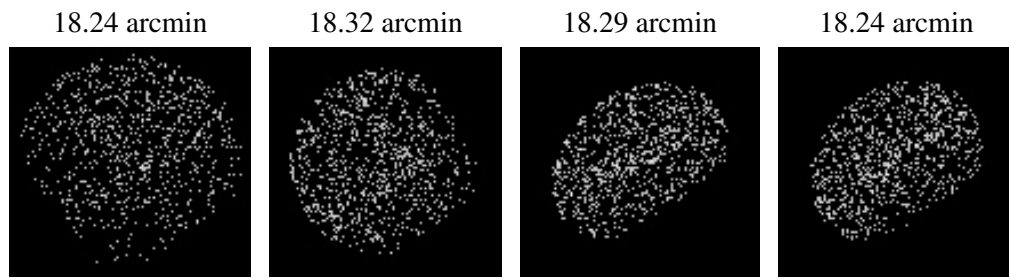


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.188

## A.2 Comments

Window constraint met.

The target is off-axis and therefore extended.