

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1975 - L2 Version 001  
Chandra X-Ray Center

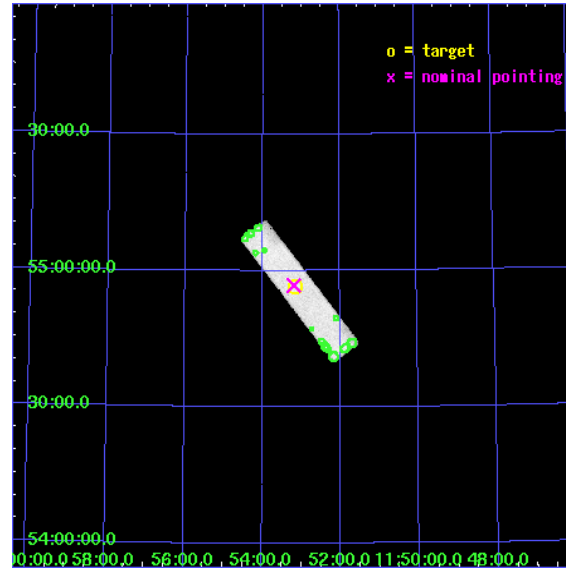
L2 Processing Date : Jan 12 2007

## 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

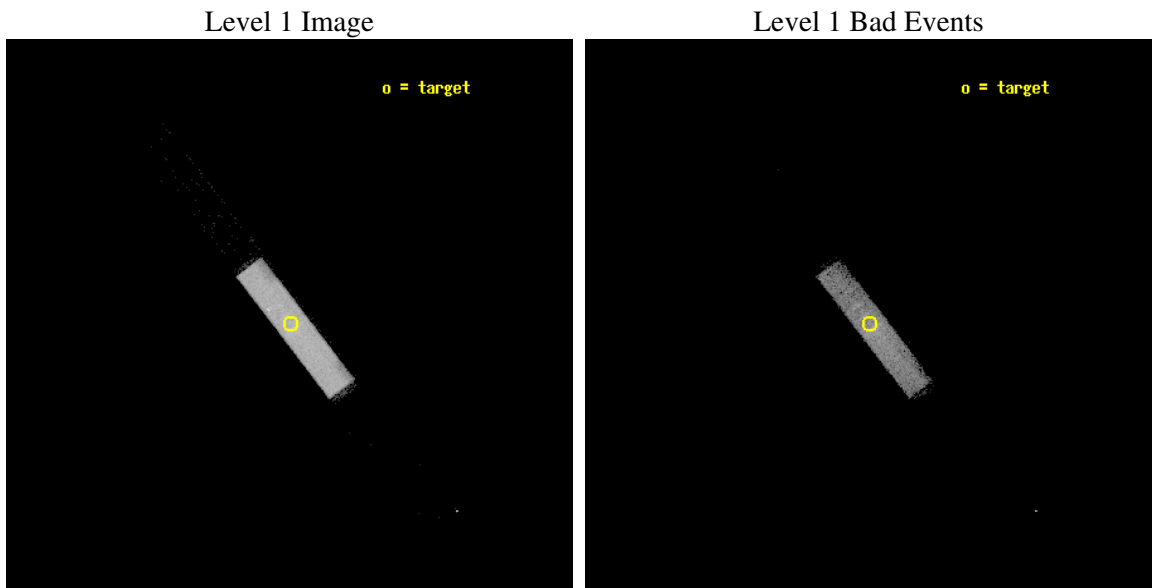
seq_num	500152
obs_id	1975
title	SEARCH FOR THE BRIGHTEST ISOLATED NEUTRON STARS
observer	Prof. Robert Rutledge
object	1RXSJ1153+5456
ra_targ	178.290417
dec_targ	54.943333
ra_nom	178.29696647904
dec_nom	54.946283040561
roll_nom	52.289564278747
revision	2
ontime	845.88128381968
livetime	840.56748338226
l2events	56496



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-12T10:15:22
revision	2

sched_exp_time	1000.000000
ontime	845.88128381968
l1events	96854

### 2.1.3 Events

Level 1 Events

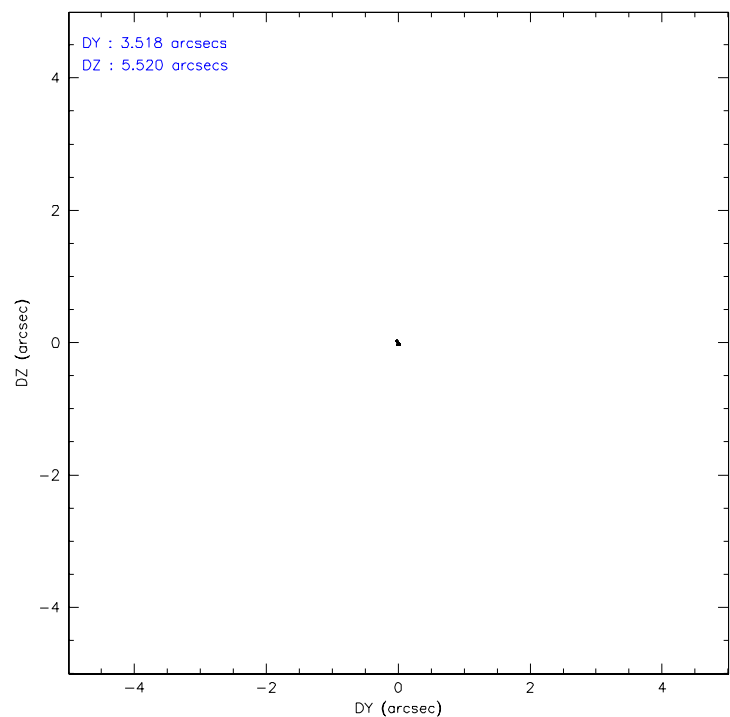
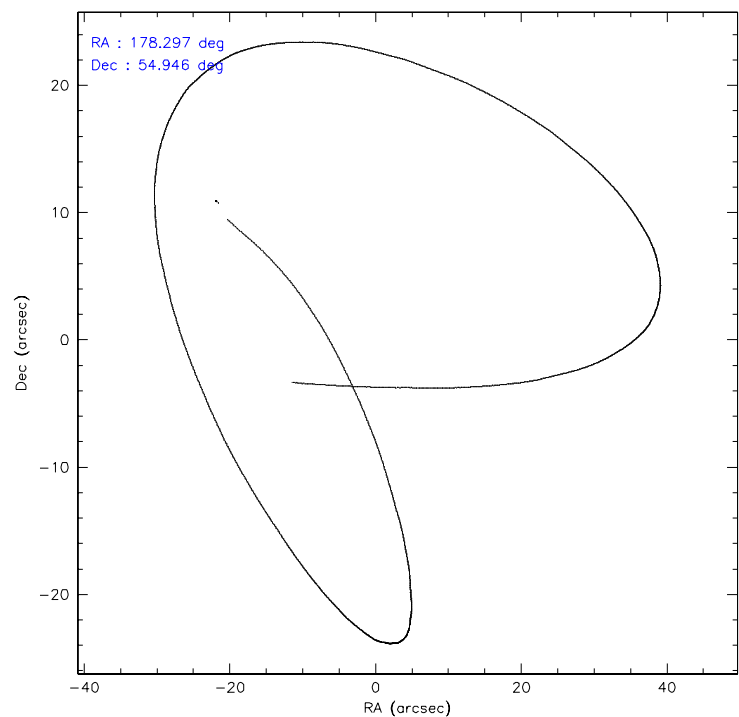
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	395	96376	83
rejected events	325	36975	64
rejected %	82%	38%	77%

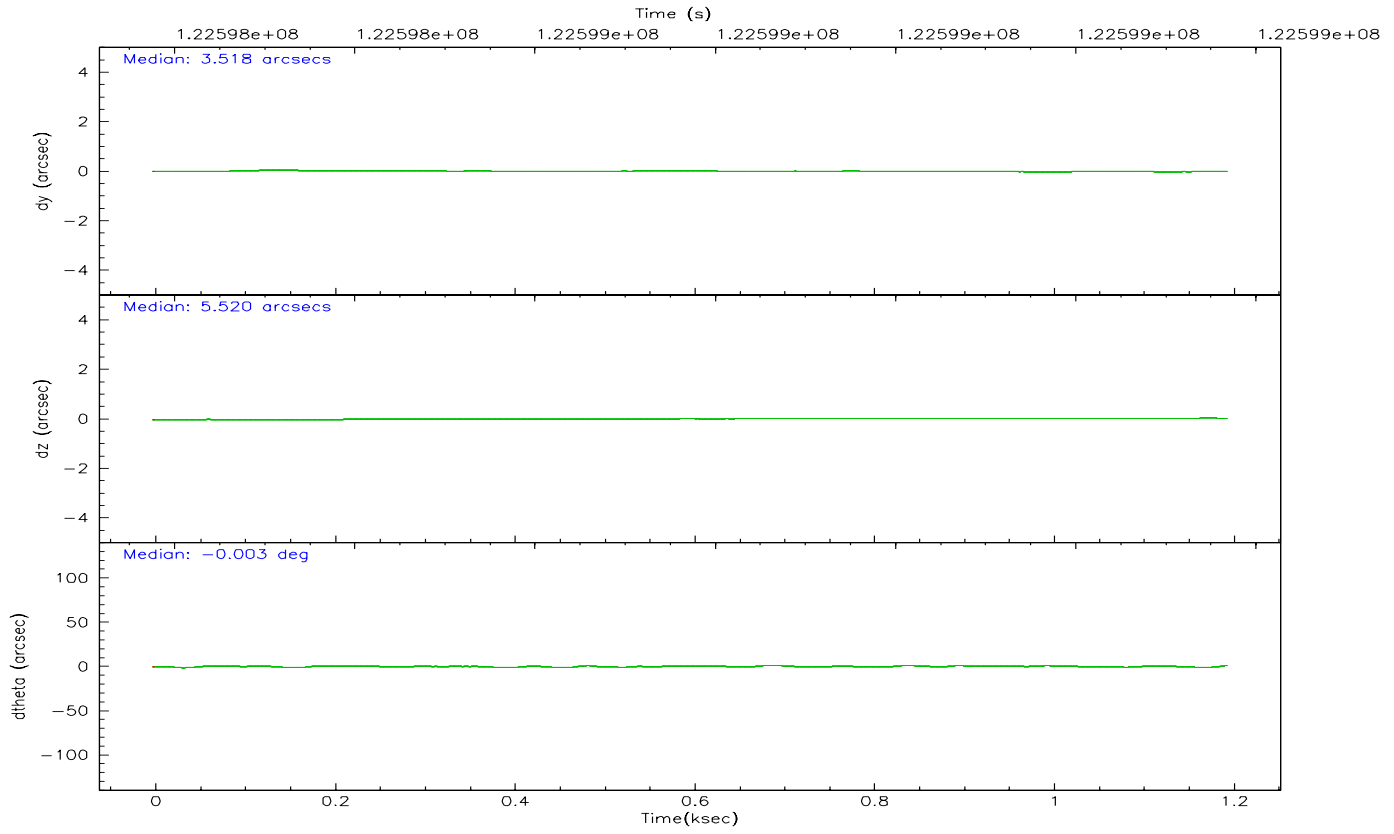
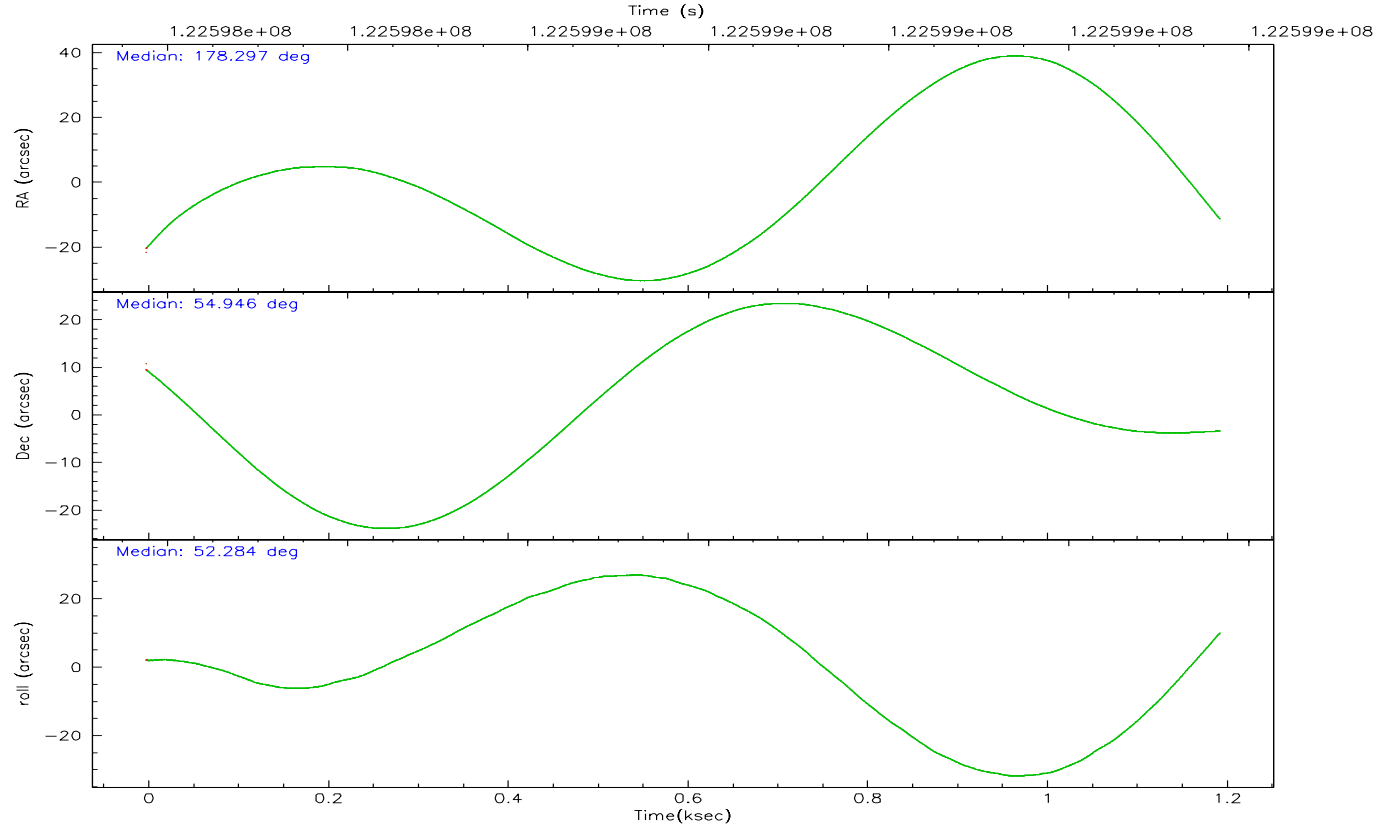
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	178.291361	178.2969664790402
Pointing Dec	54.918460	54.94628304056059
Pointing Roll	52.226914	52.28956427874662
SIM focus pos (mm)	-1.529586	-1.523540733526241
SIM defocus (mm)	0.003750771043328743	0.009795905878055677
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	122598369.184000	122597673.92885
Observation start date	2001-11-19T23:05:05	2001-11-19T22:54:33
Observation end time	122599369.184000	122600244.62896
Observation end date	2001-11-19T23:21:45	2001-11-19T23:37:24

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

## 2.3 Aspect





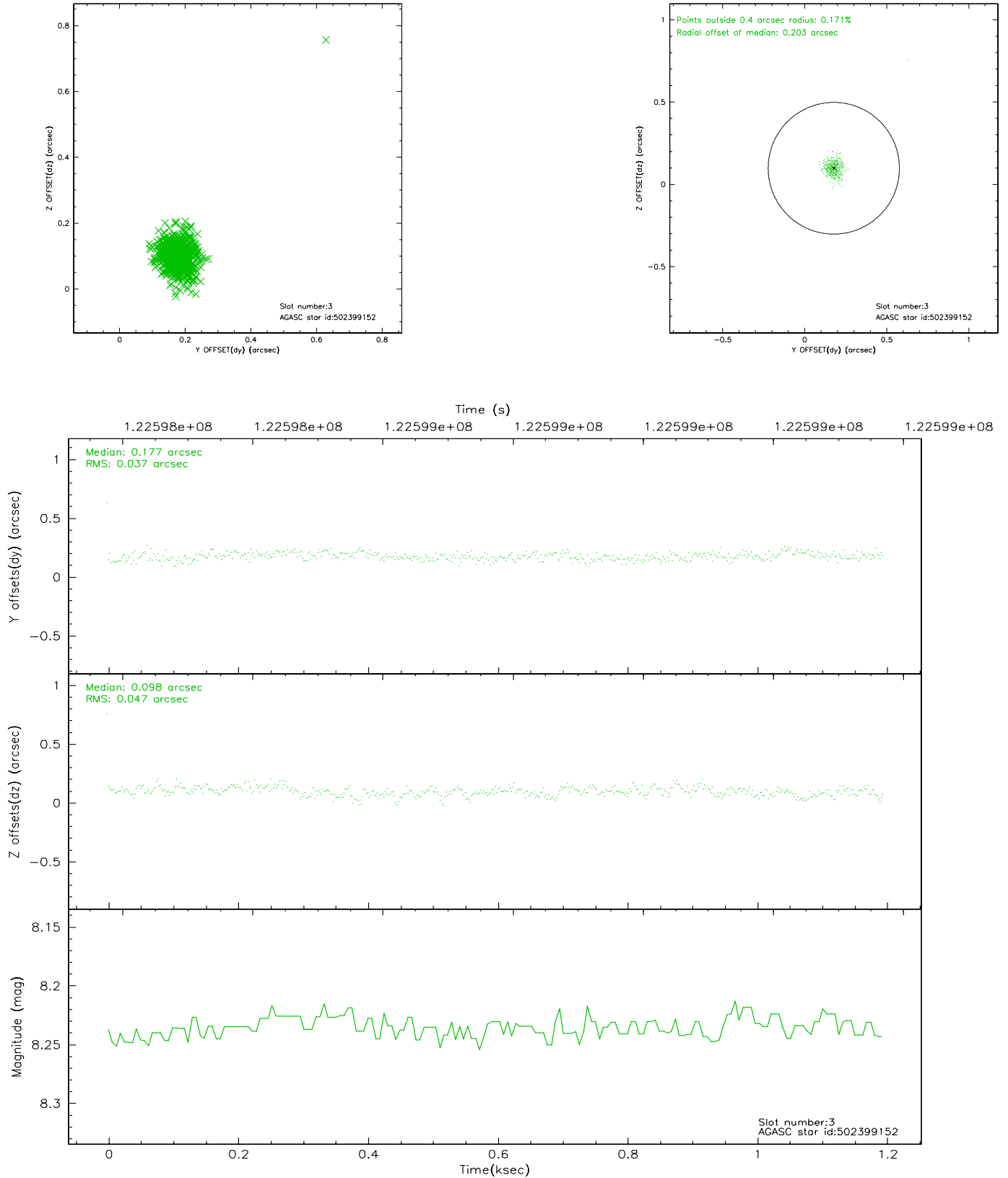
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	292	0.160	-0.156	0.007	0.010	0.000000	0.000000	-1157.55	-454.03
1	FID	HRC-S-2	6.97	292	0.087	-0.095	0.005	0.011	0.000000	0.000000	1238.07	-448.20
2	FID	HRC-S-3	7.01	292	0.144	-0.051	0.006	0.011	0.000000	0.000000	-1156.03	574.06
3	GUIDE	502399152	8.23	584	0.177	0.098	0.053	0.088	177.865329	54.295287	-2318.39	-661.11
4	GUIDE	502269016	8.89	583	0.061	-0.250	0.094	0.151	177.130457	54.972659	-1302.72	2030.24
5	GUIDE	502400568	8.68	584	0.008	0.111	0.076	0.117	178.868651	54.779372	340.99	-1243.35
6	GUIDE	502402368	8.82	584	-0.109	0.055	0.092	0.138	178.664341	54.233878	-1464.22	-2126.88
7	GUIDE	502793208	9.15	583	-0.126	-0.003	0.083	0.129	177.980338	55.276529	627.38	1295.08

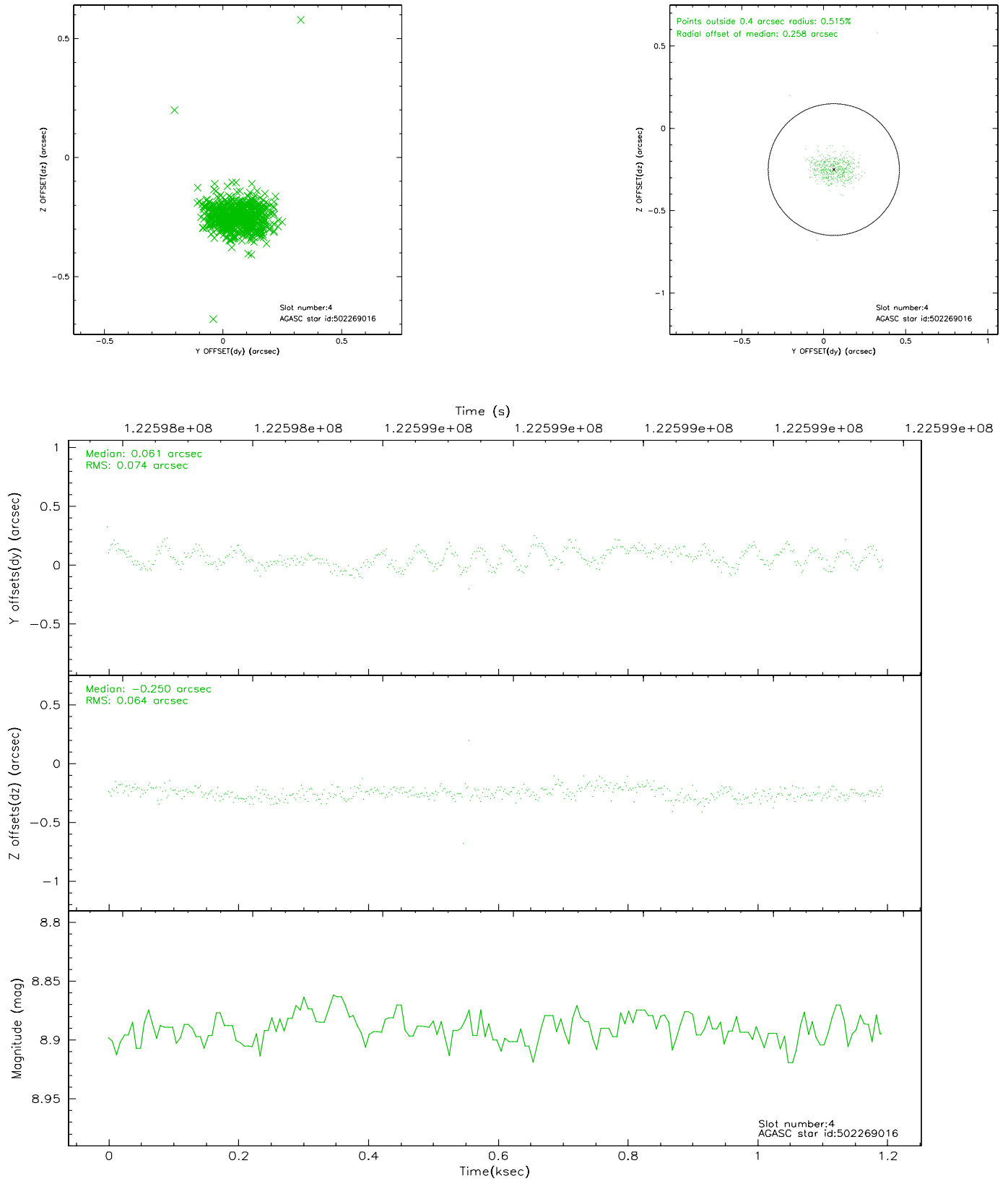


## 2.4 Star Slots

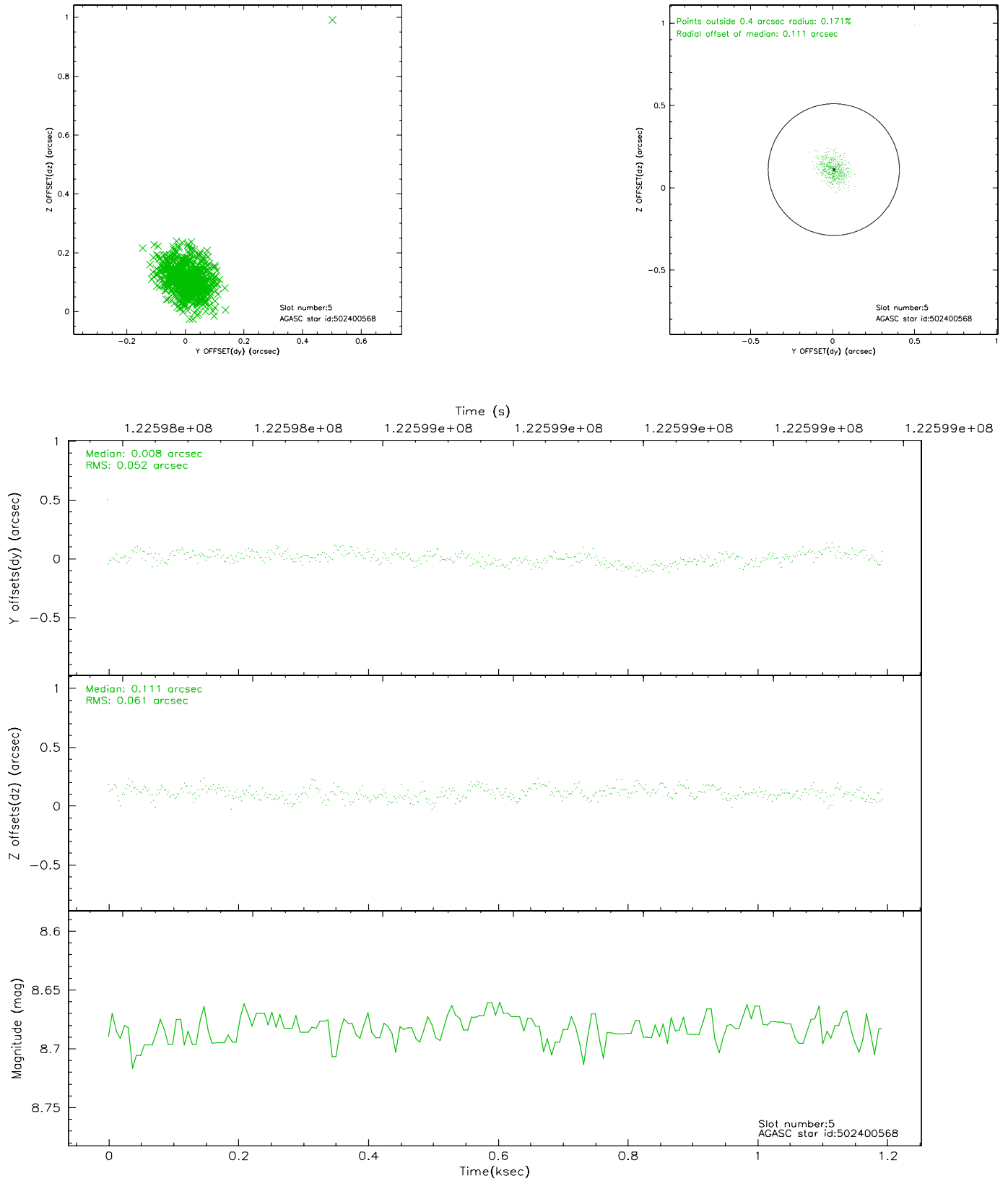
### 2.4.1 Slot 3



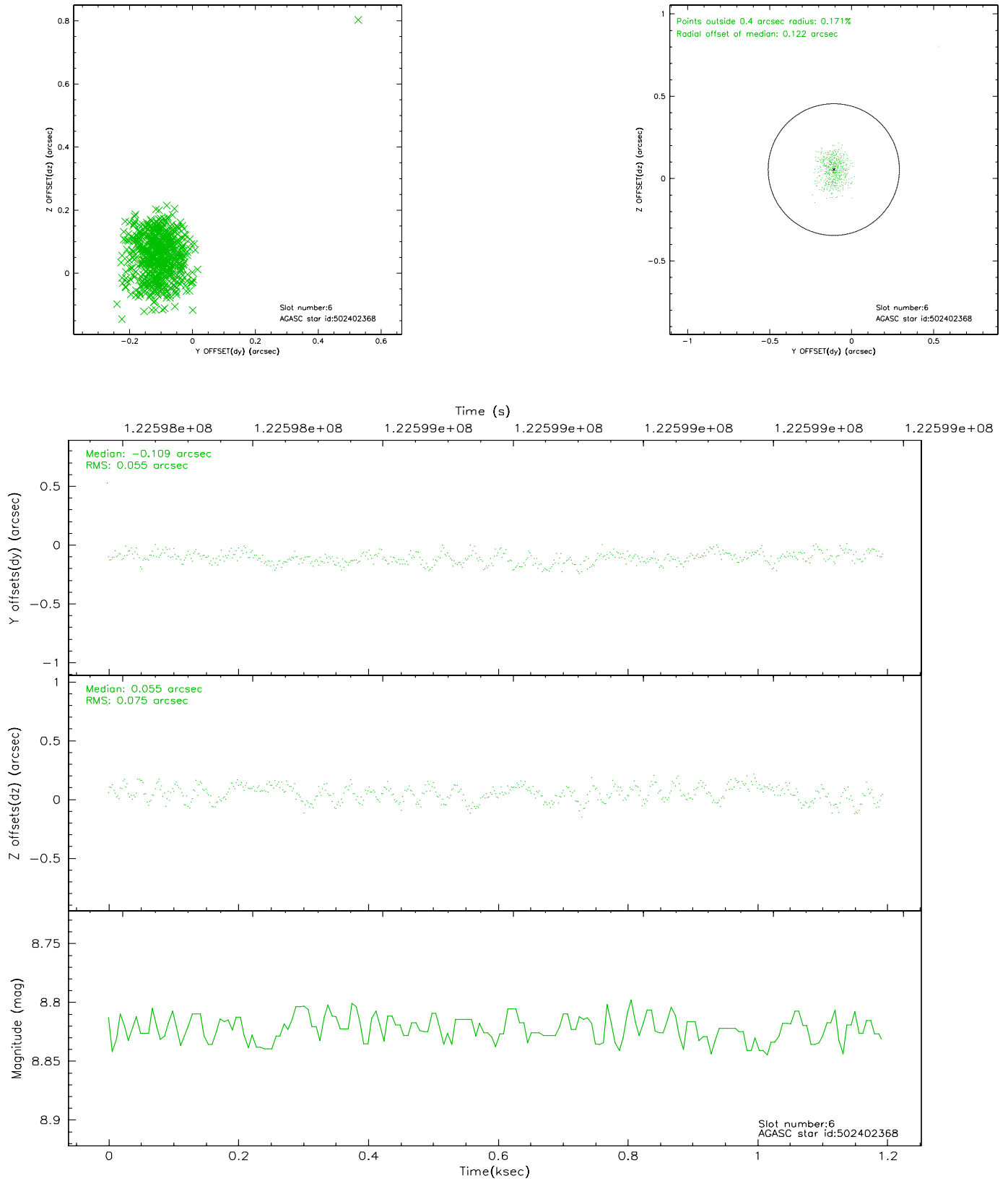
## 2.4.2 Slot 4



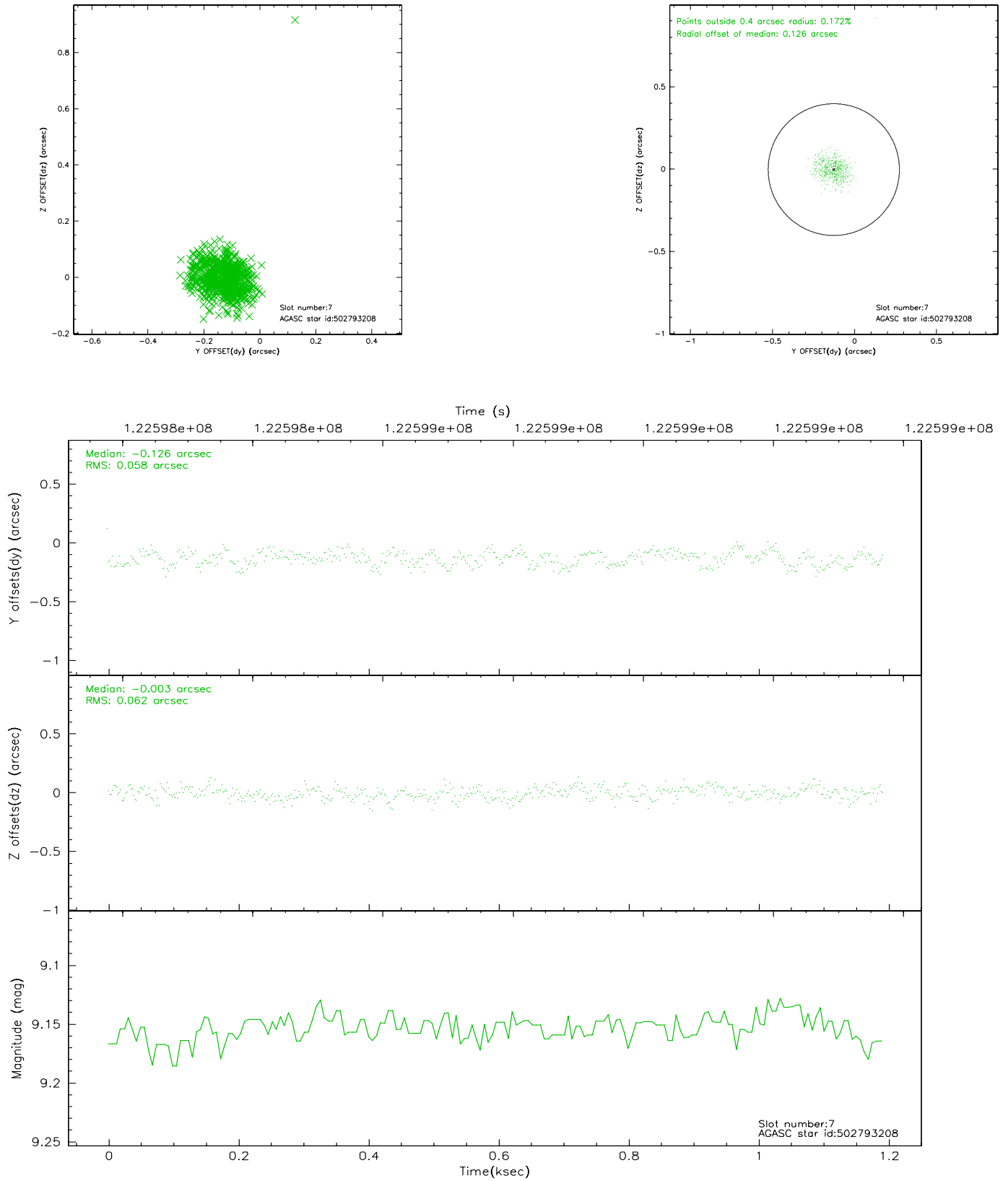
### 2.4.3 Slot 5



## 2.4.4 Slot 6

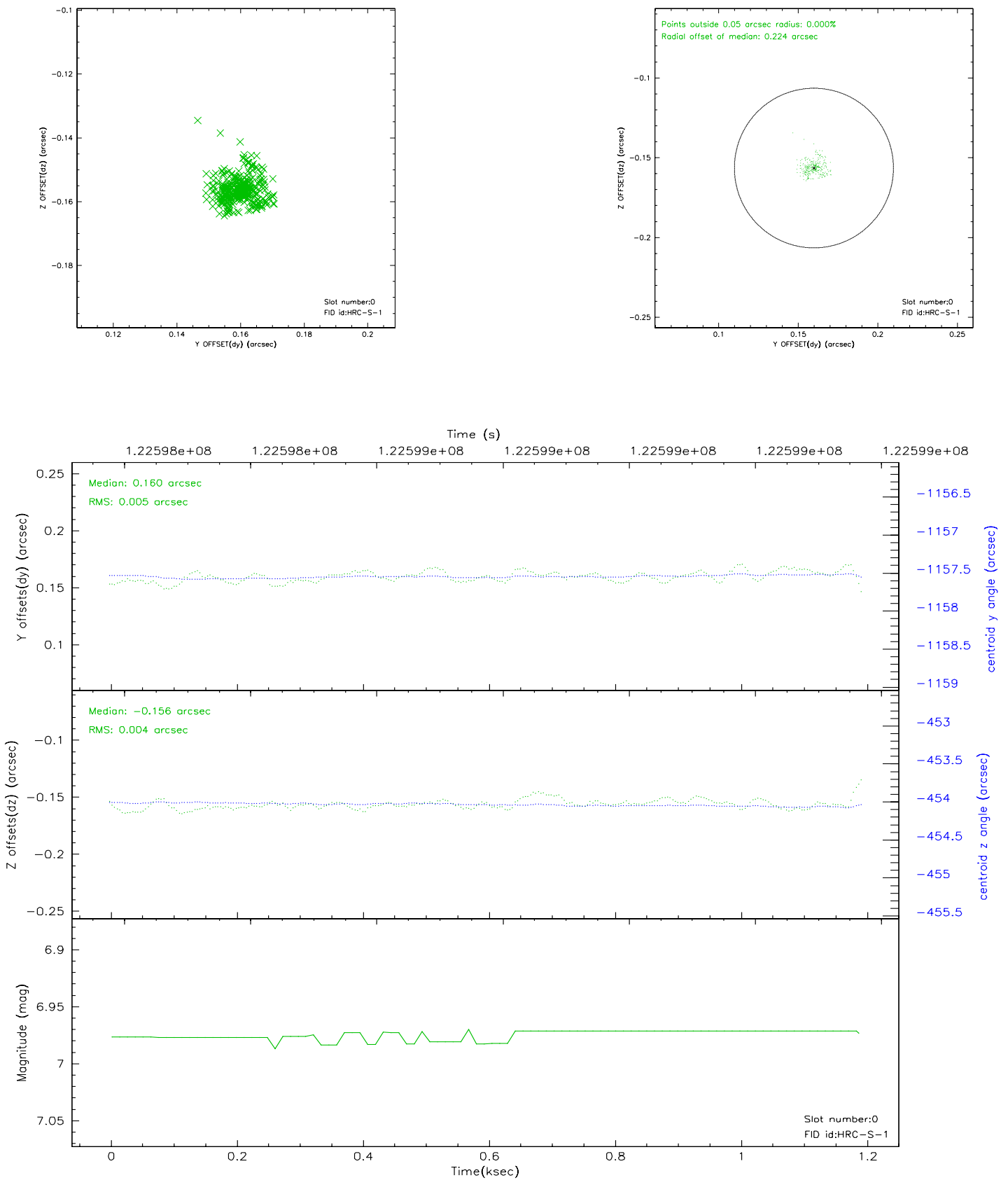


## 2.4.5 Slot 7

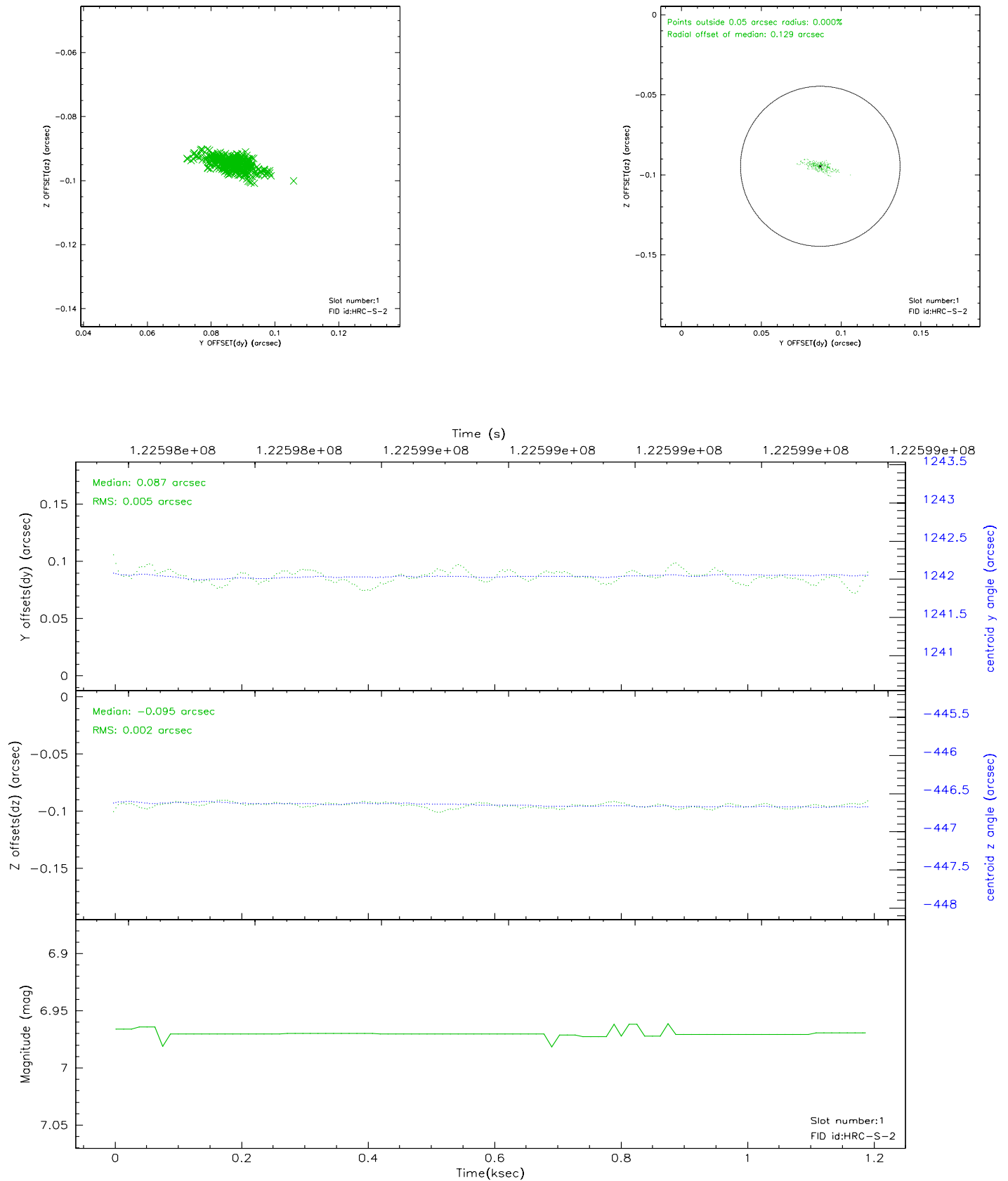


## 2.5 FID Slots

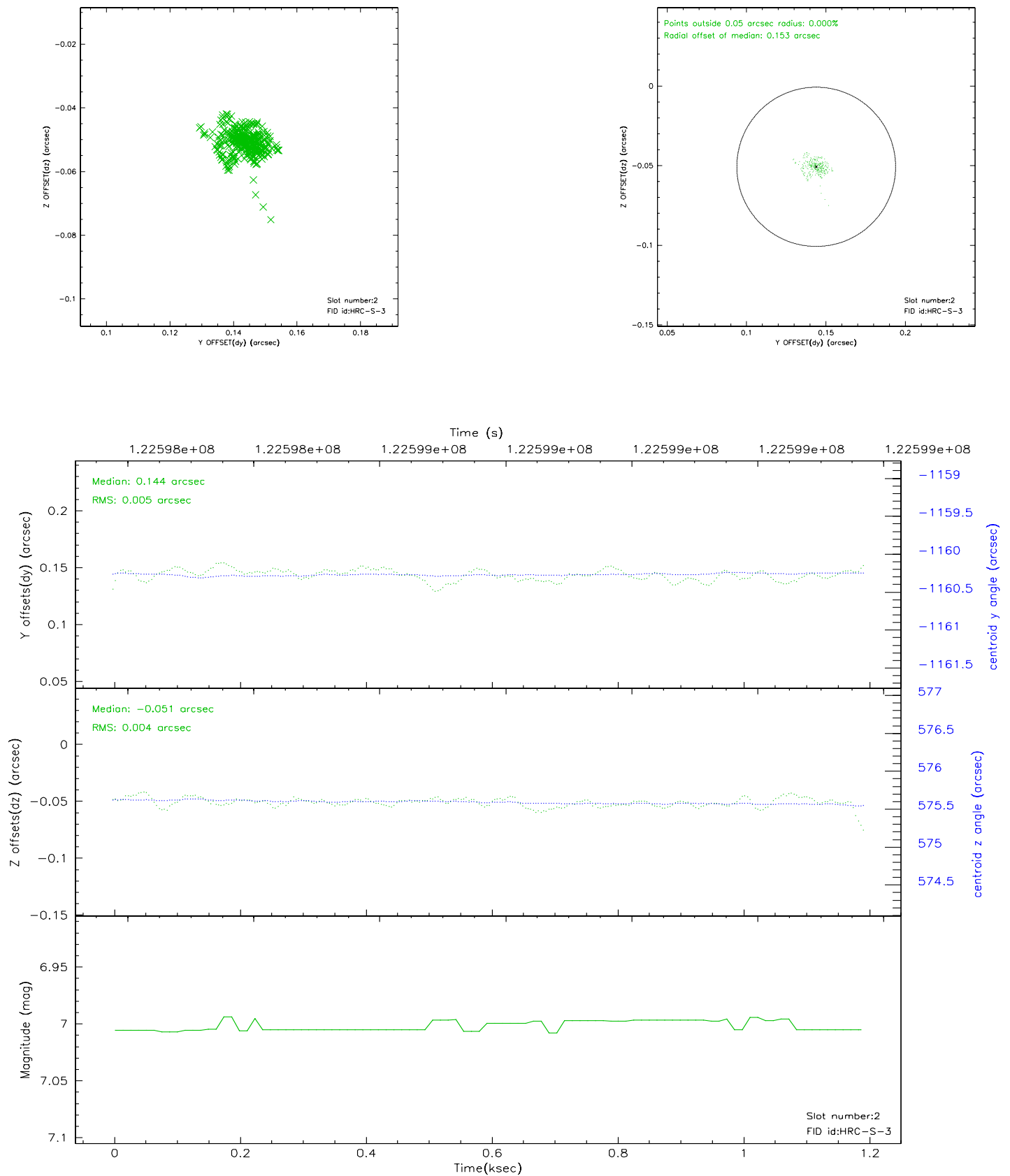
### 2.5.1 Slot 0



## 2.5.2 Slot 1

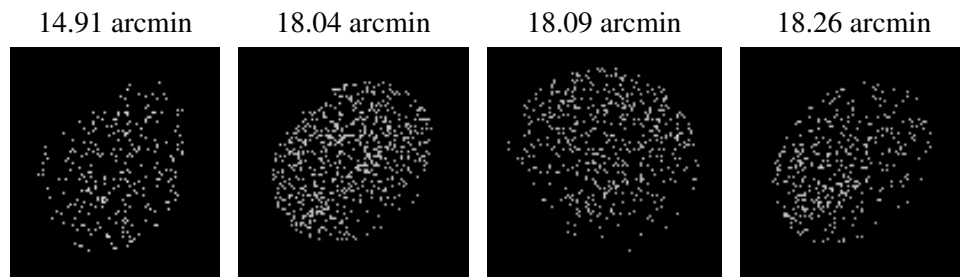


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.845

### A.2 Comments