

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4297 - L2 Version 4
Chandra X-Ray Center

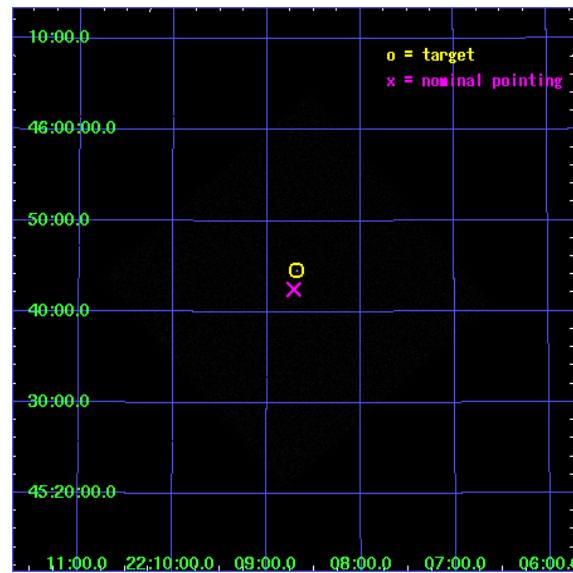
L2 Processing Date : Nov 21 2007

Contents

1	Front	2
2	OBI	3
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
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
2.5.3	Slot 2	15
3	Point Sources	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

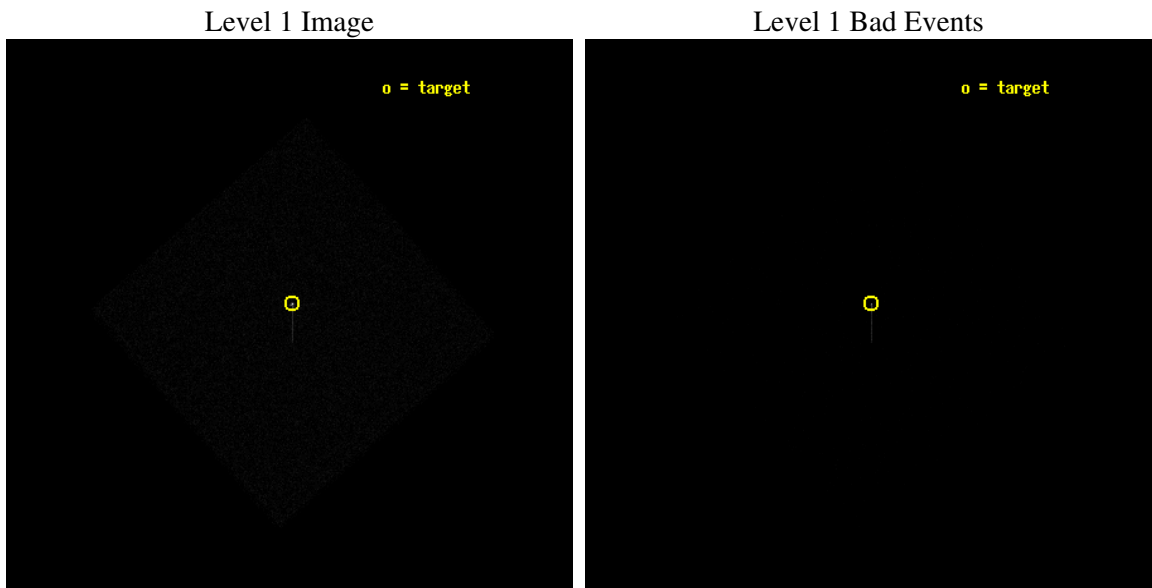
seq_num	290257
obs_id	4297
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.178151119
dec_nom	45.708183853021
roll_nom	3.7149970092544
revision	4
ontime	1186.1812998652
livetime	1179.5468177602
l2events	38338



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	2007-11-22T03:09:23
revision	4

sched_exp_time	1000.000000
ontime	1186.1812998652
l1events	69193

2.1.3 Events

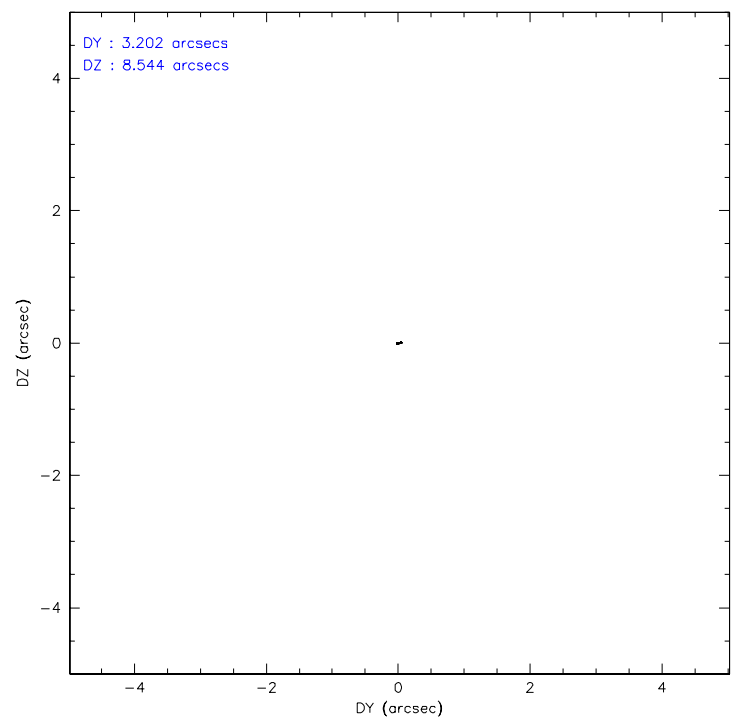
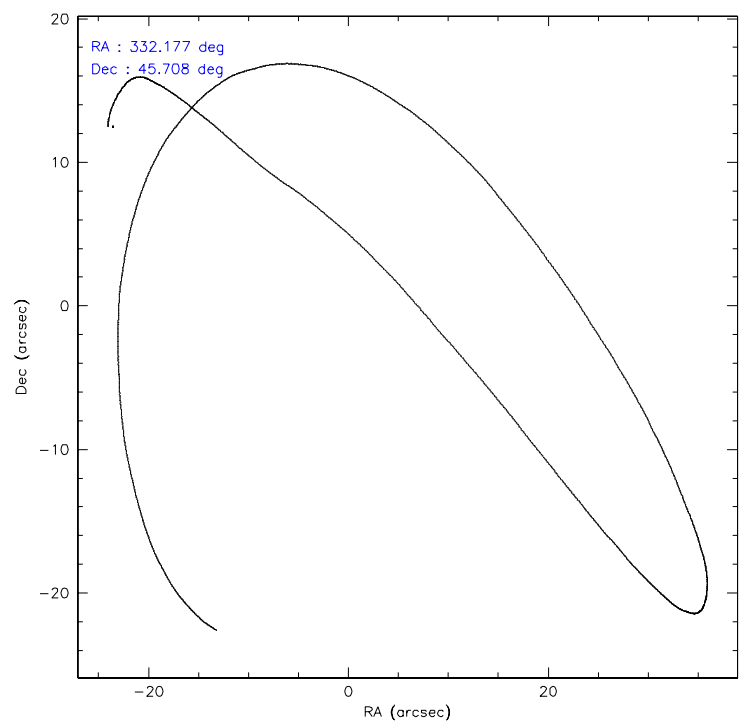
Level 1 Events

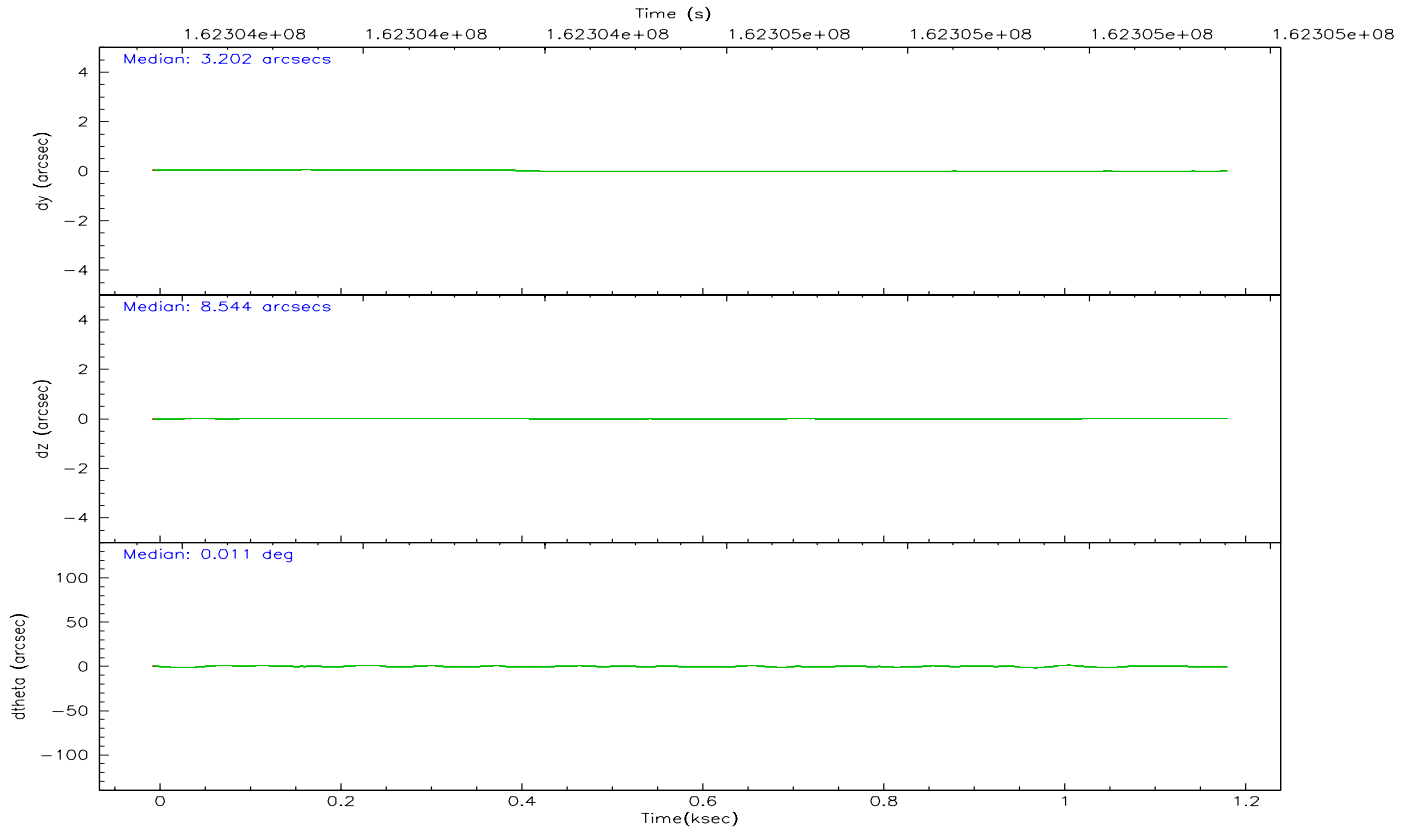
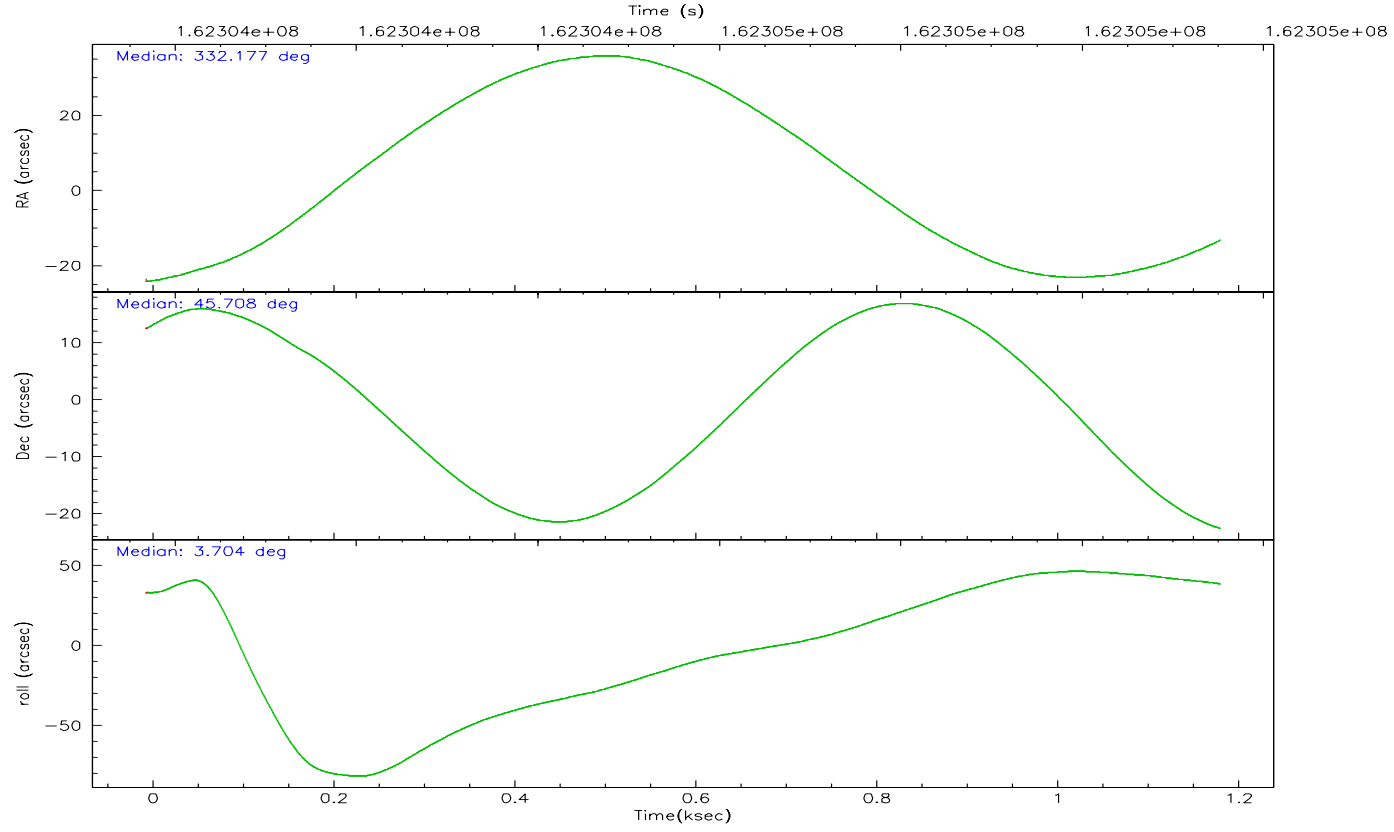
	segment 0
level 1 events	69193
rejected events	14795
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.147060	332.1781511190047			
Pointing Dec	45.692127	45.7081838530213			
Pointing Roll	3.833019	3.714997009254372			
Window start time	161654464.184000	161654464.184000			
Window stop time	165369664.184000	165369664.184000			
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	162304148.184000	162303771.41999			
Observation start date	2003-02-22T12:28:04	2003-02-22T12:22:51			
Observation end time	162305148.184000	162305281.75755			
Observation end date	2003-02-22T12:44:44	2003-02-22T12:48:01			

2.3 Aspect



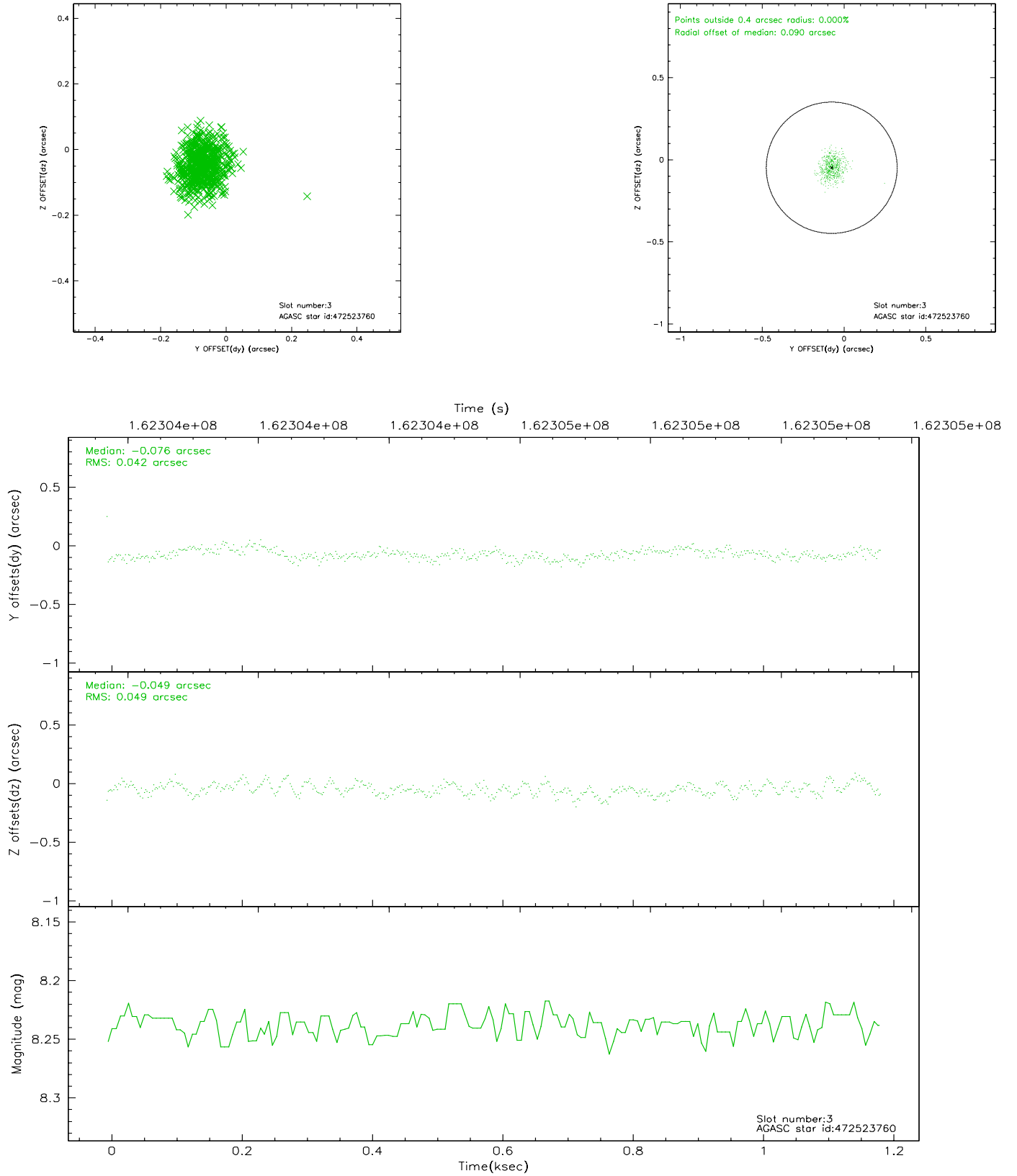


Slot Statistics

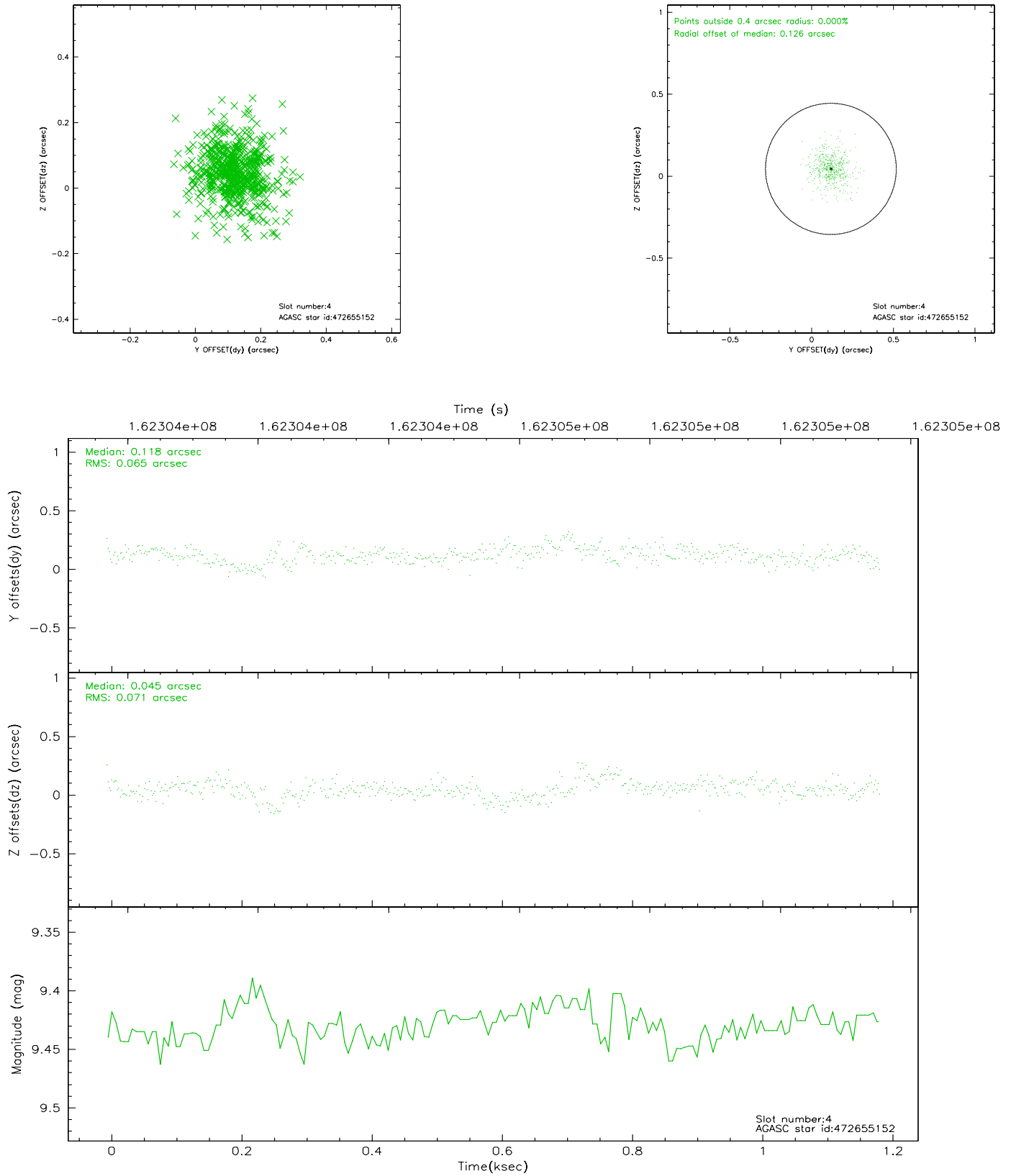
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	290	0.037	0.030	0.005	0.012	0.000000	0.000000	-758.71	-1296.42
1	FID	HRC-I-2	7.01	290	0.095	-0.051	0.008	0.014	0.000000	0.000000	851.37	-1302.60
2	FID	HRC-I-4	7.01	290	-0.015	-0.073	0.006	0.011	0.000000	0.000000	1287.05	1001.07
3	GUIDE	472523760	8.24	580	-0.076	-0.049	0.068	0.108	331.645363	45.403260	-1332.64	-950.72
4	GUIDE	472655152	9.43	577	0.118	0.045	0.100	0.181	332.504239	45.862991	934.23	552.90
5	GUIDE	472659832	9.47	574	0.037	0.077	0.090	0.145	332.780399	46.098139	1678.77	1359.01
6	GUIDE	472527720	6.99	580	-0.084	-0.058	0.062	0.094	331.460205	45.112509	-1875.15	-1957.52
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

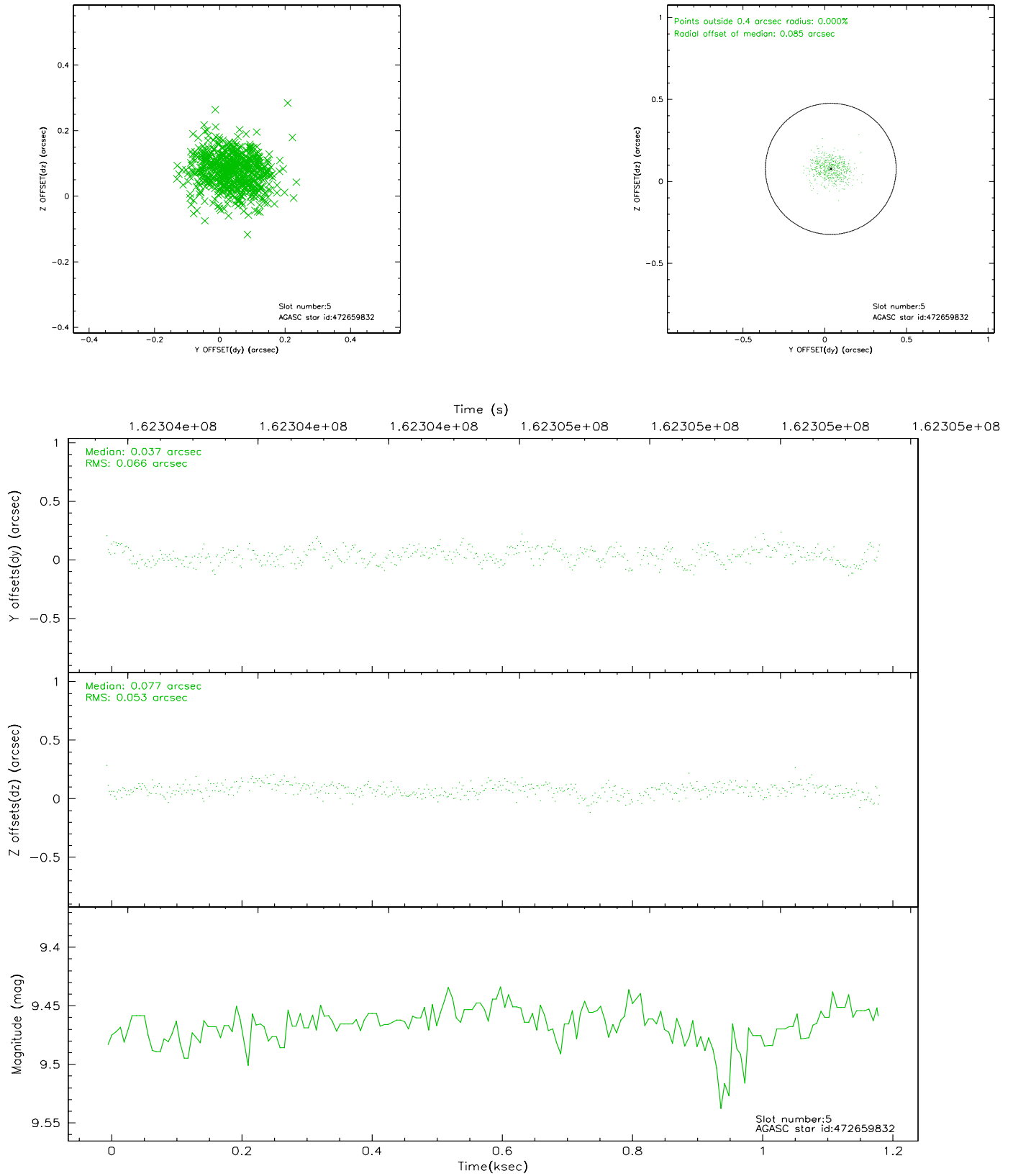
2.4.1 Slot 3



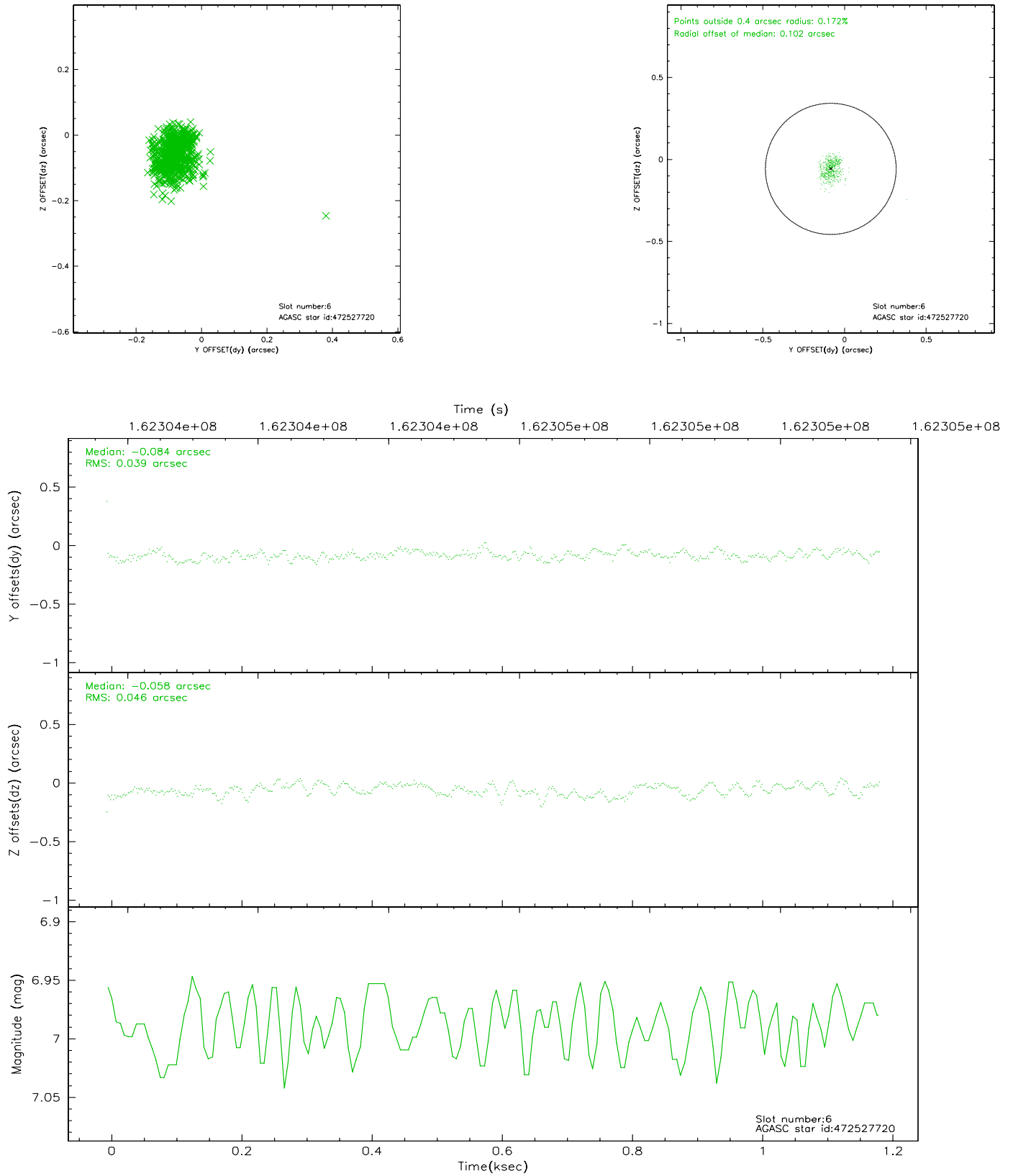
2.4.2 Slot 4



2.4.3 Slot 5

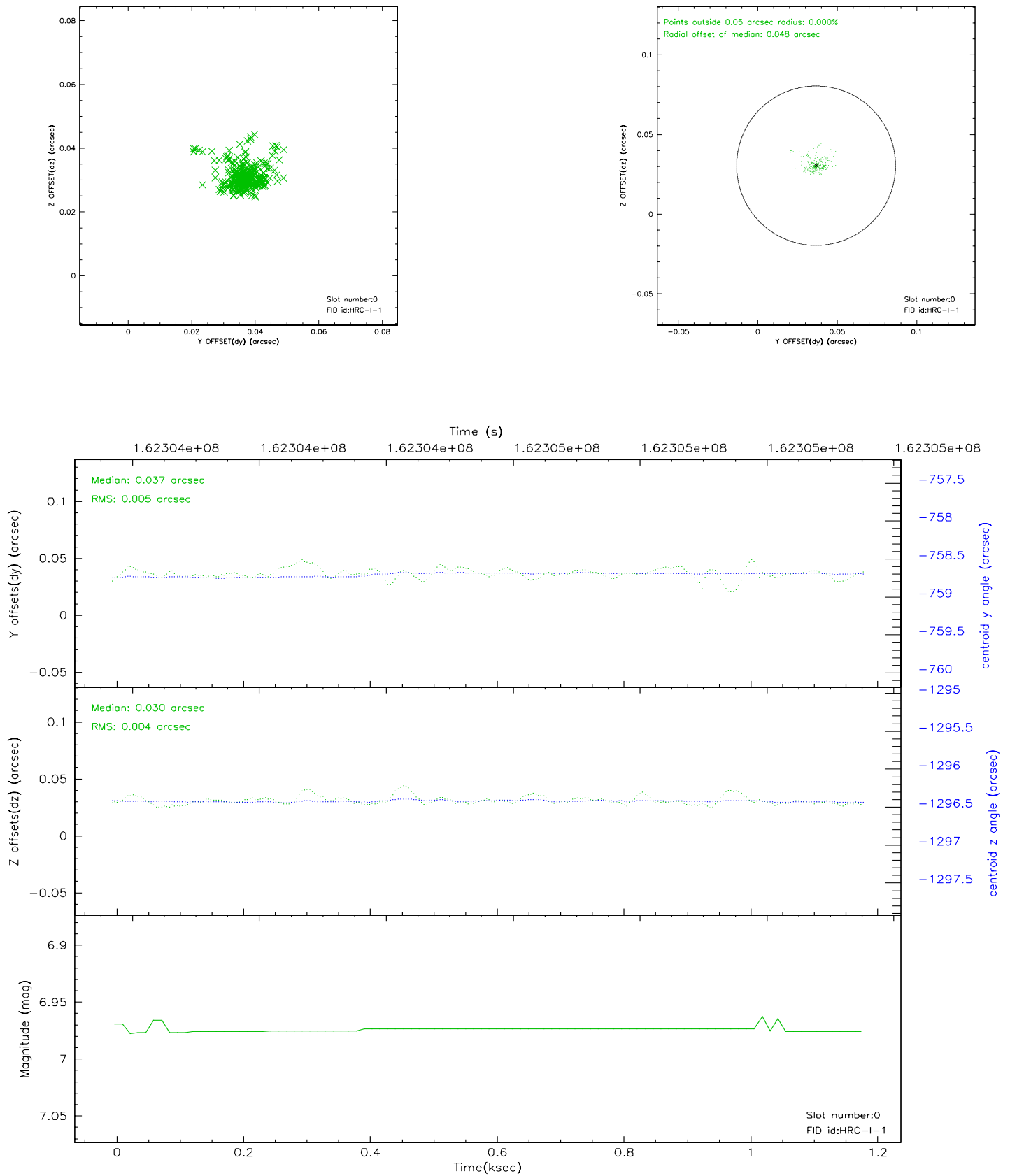


2.4.4 Slot 6

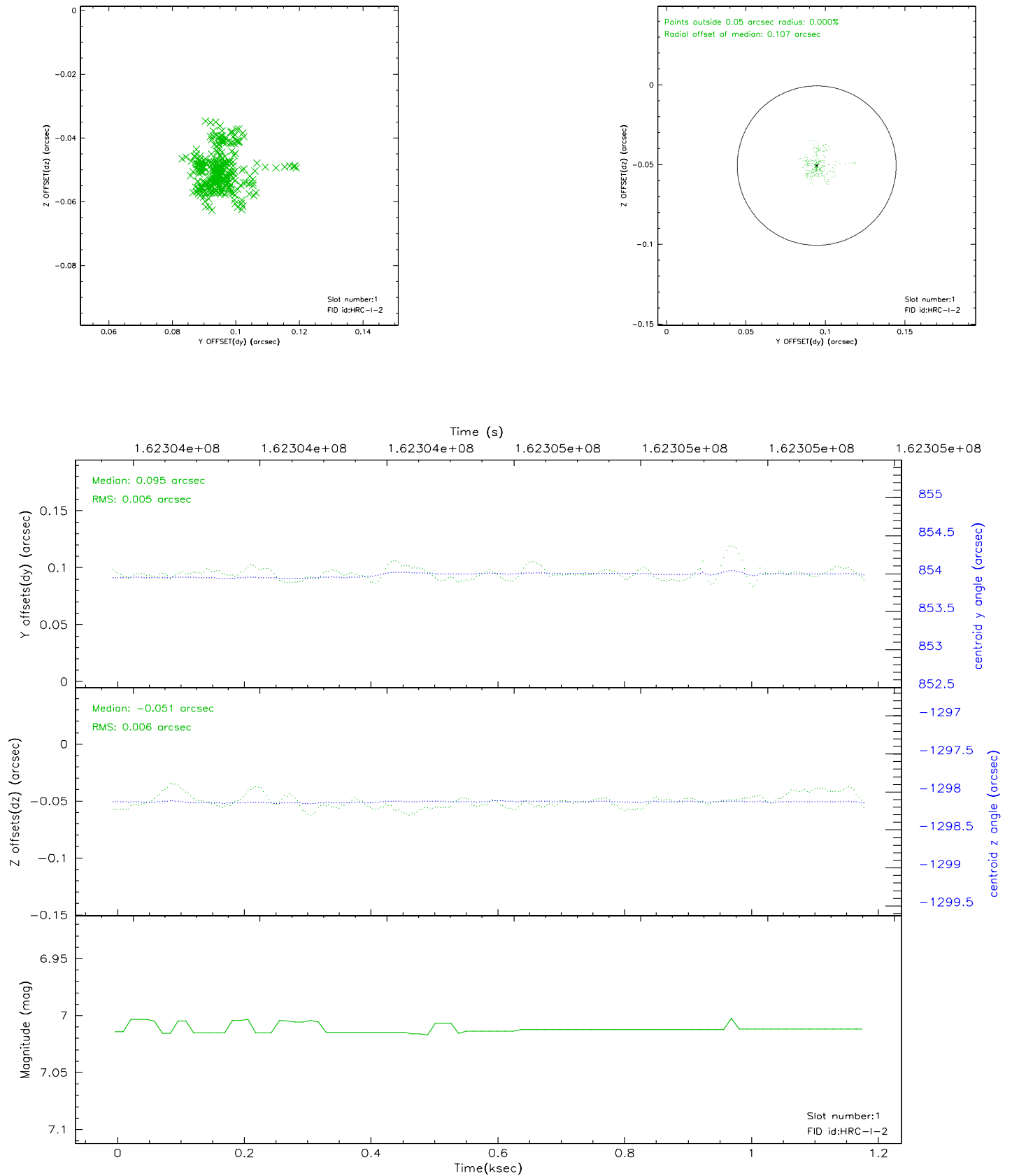


2.5 FID Slots

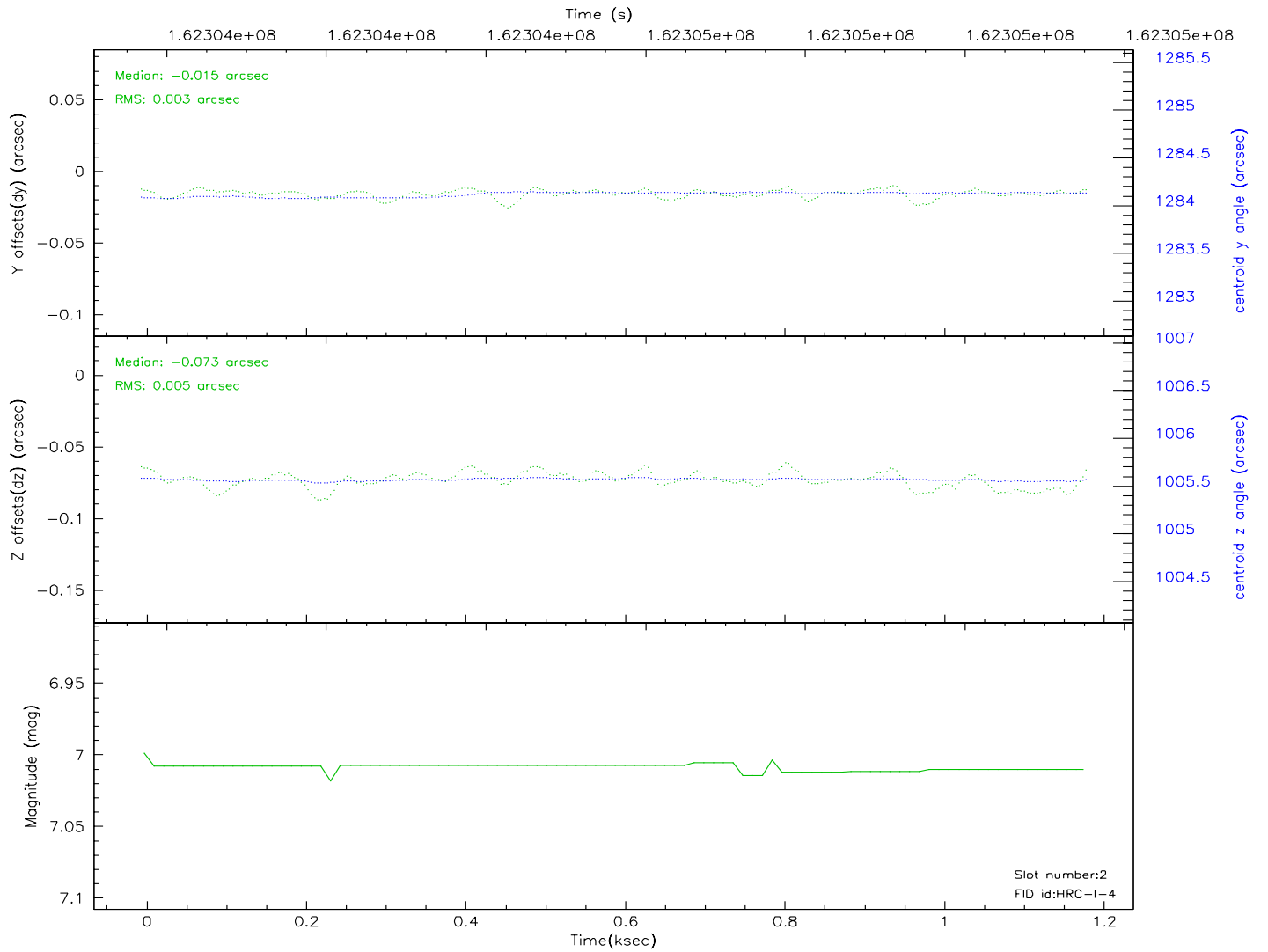
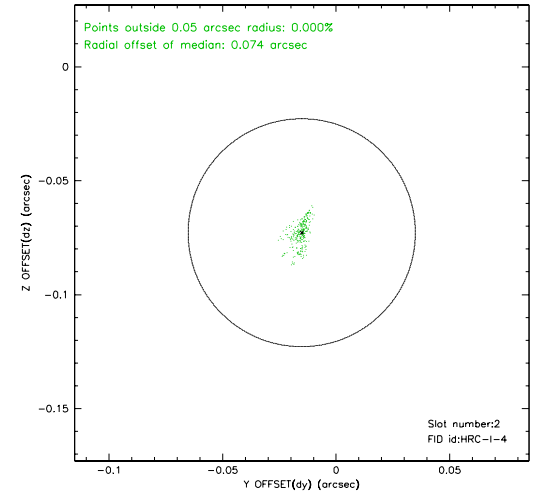
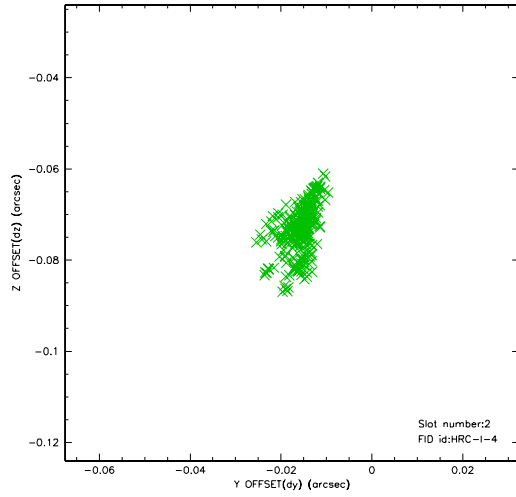
2.5.1 Slot 0



2.5.2 Slot 1

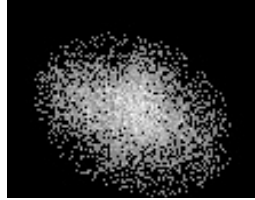


2.5.3 Slot 2



3 Point Sources

2.07 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	1.186

A.2 Comments

The guide star in slot 7 was manually excluded from the processing due to poor data quality.
Window constraint met.