

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2913 - L2 Version 3
Chandra X-Ray Center

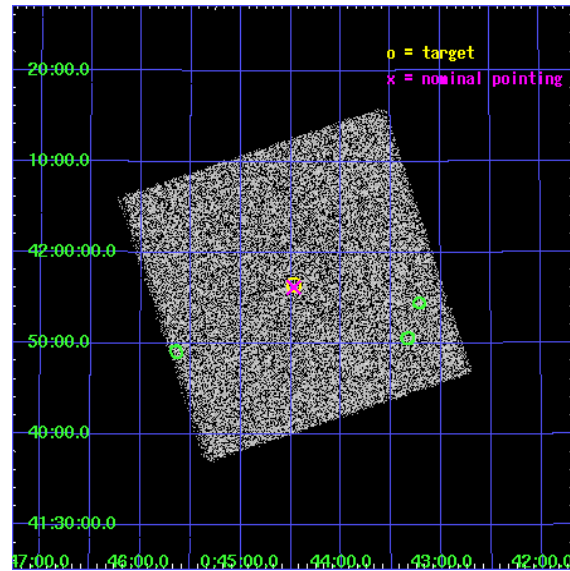
L2 Processing Date : Nov 20 2007

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
2.4.5	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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

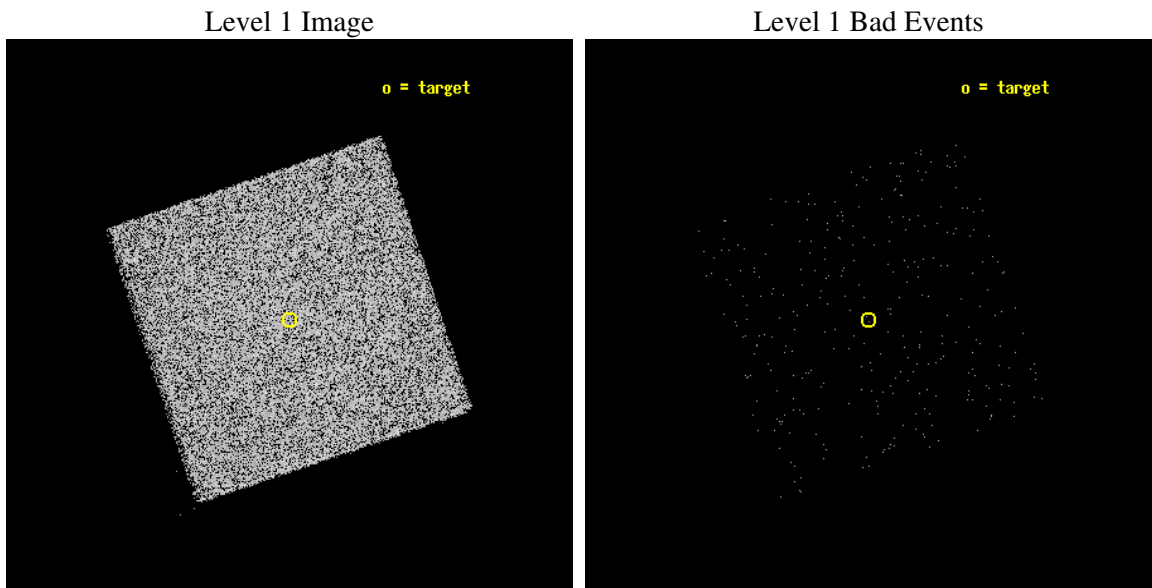
seq_num	600250
obs_id	2913
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST
observer	Dr. MICHAEL GARCIA
object	M31-N2
ra_targ	11.118333
dec_targ	41.941139
ra_nom	11.117222807378
dec_nom	41.936475589617
roll_nom	296.45871378664
revision	3
ontime	1100.8500442803
livetime	1093.4961341147
l2events	47709



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	2007-11-20T22:34:53
revision	3

sched_exp_time	900.000000
ontime	1100.8500442803
l1events	84718

2.1.3 Events

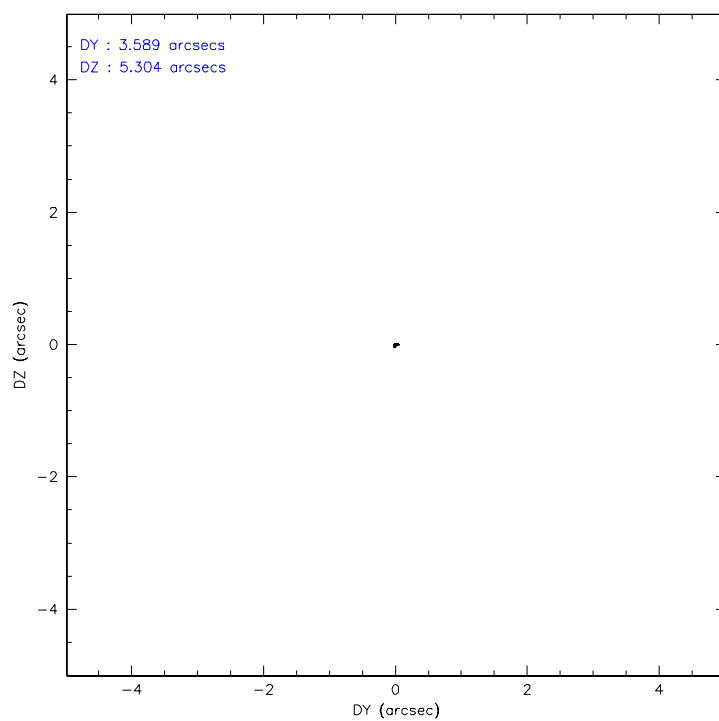
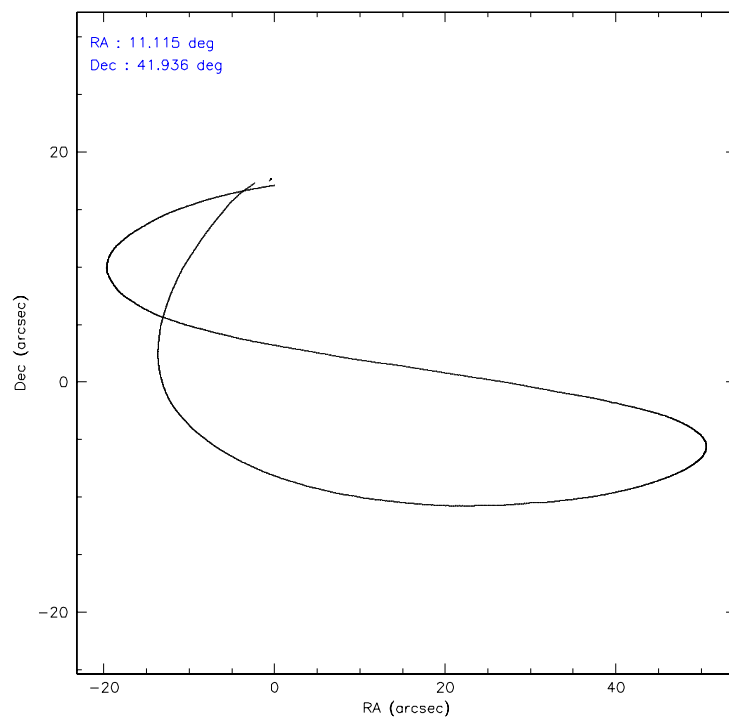
Level 1 Events

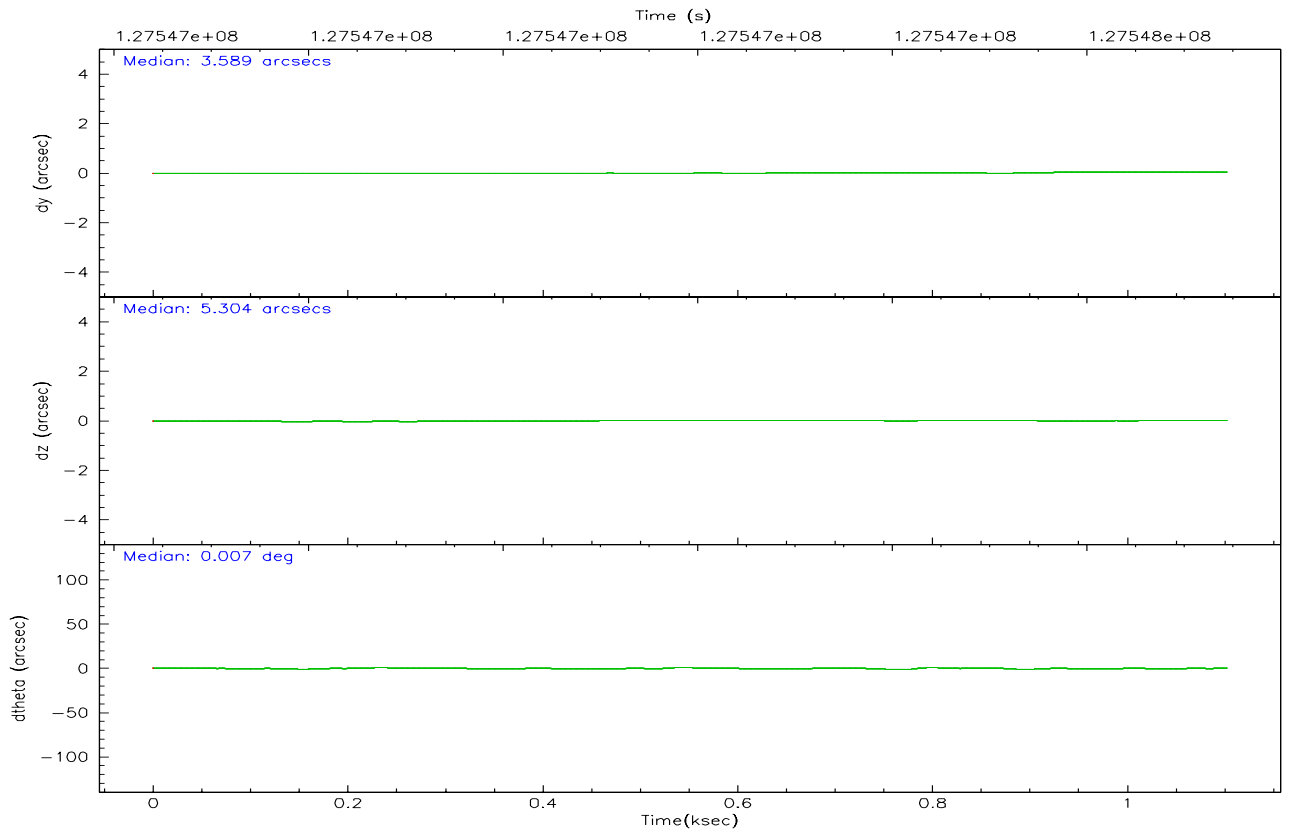
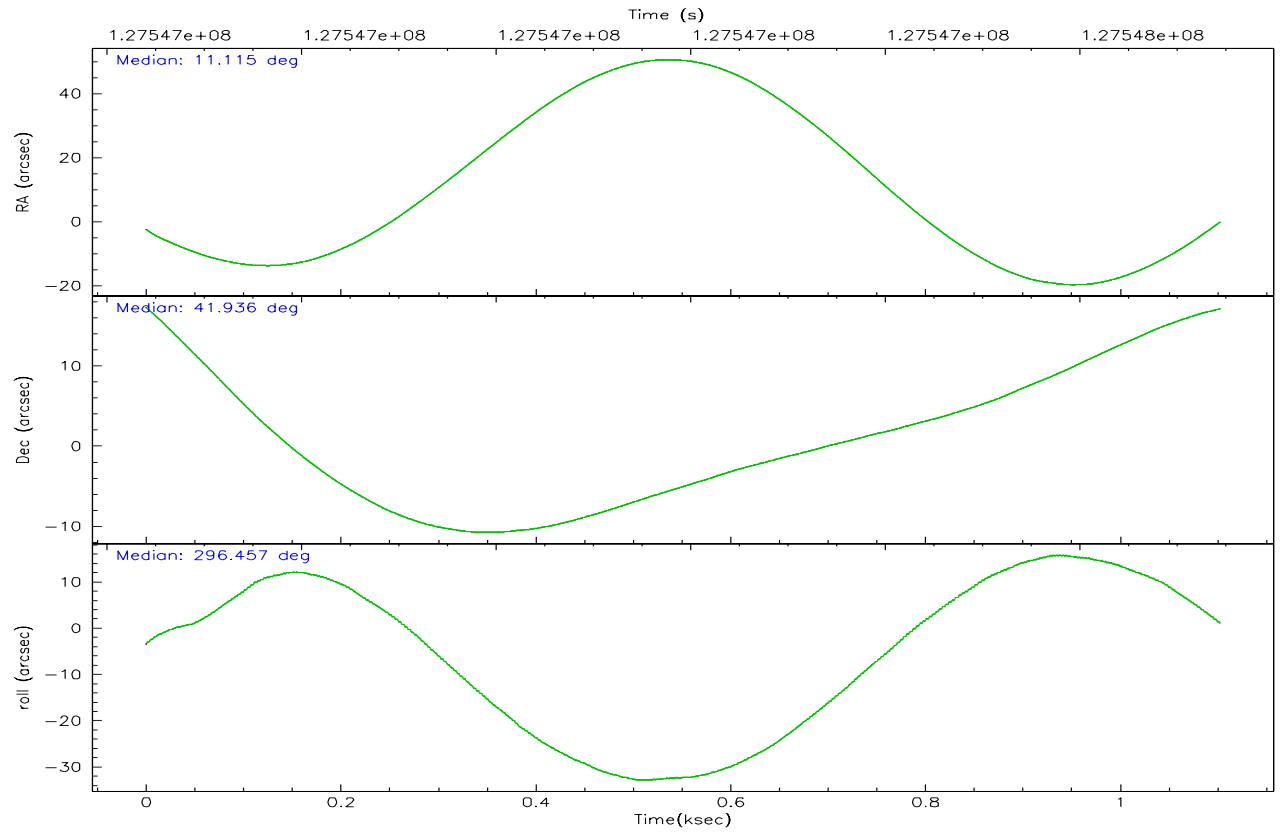
	segment 0
level 1 events	84718
rejected events	16025
rejected %	18%

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	11.087869	11.11722280737799			
Pointing Dec	41.951419	41.93647558961735			
Pointing Roll	296.573842	296.4587137866369			
Window start time	127353664.184000	127353664.184000			
Window stop time	127958464.184000	127958464.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	127546842.184000	127546466.37725			
Observation start date	2002-01-16T05:39:38	2002-01-16T05:34:26			
Observation end time	127547742.184000	127548817.72734			
Observation end date	2002-01-16T05:54:38	2002-01-16T06:13:37			

2.3 Aspect



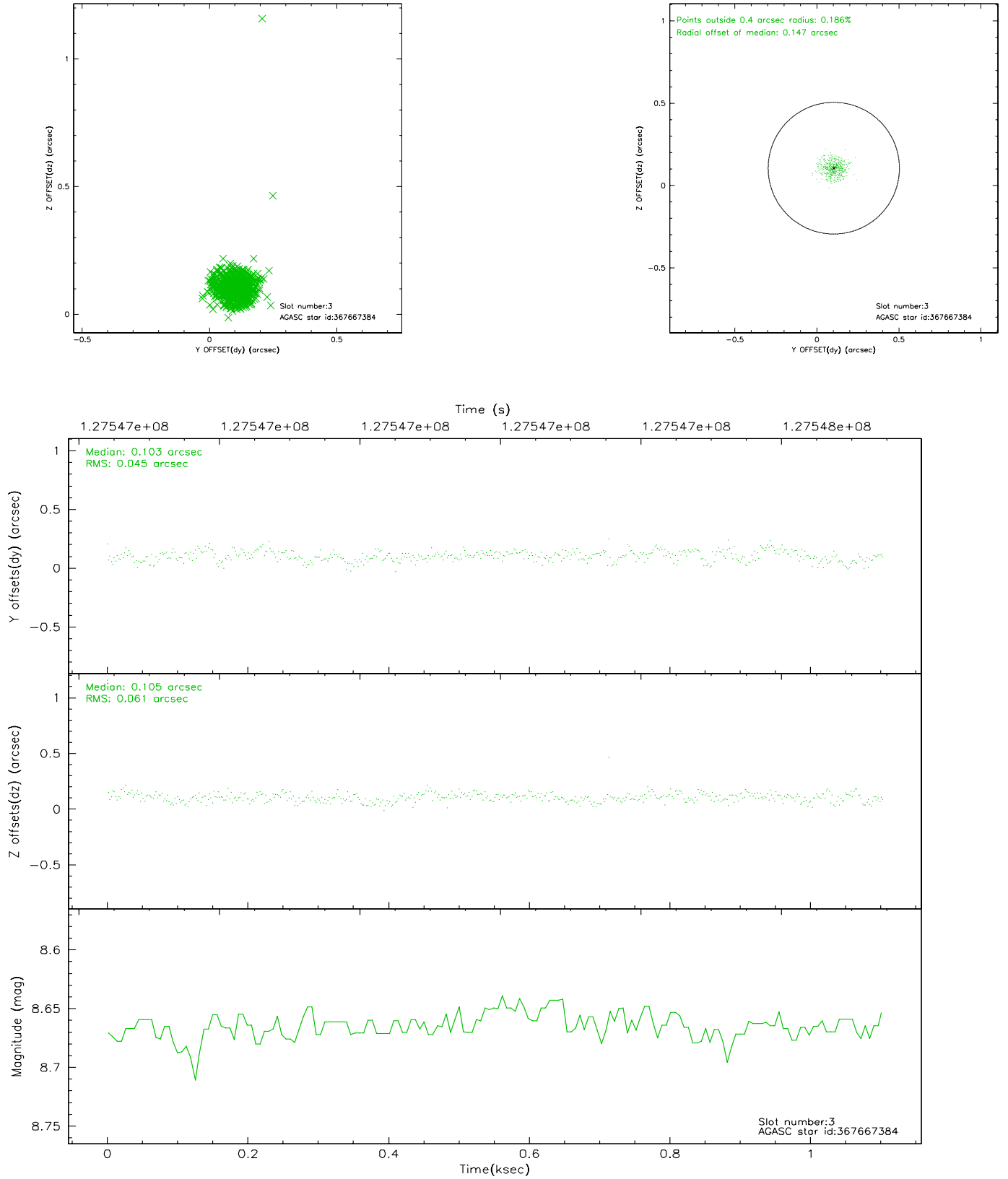


Slot Statistics

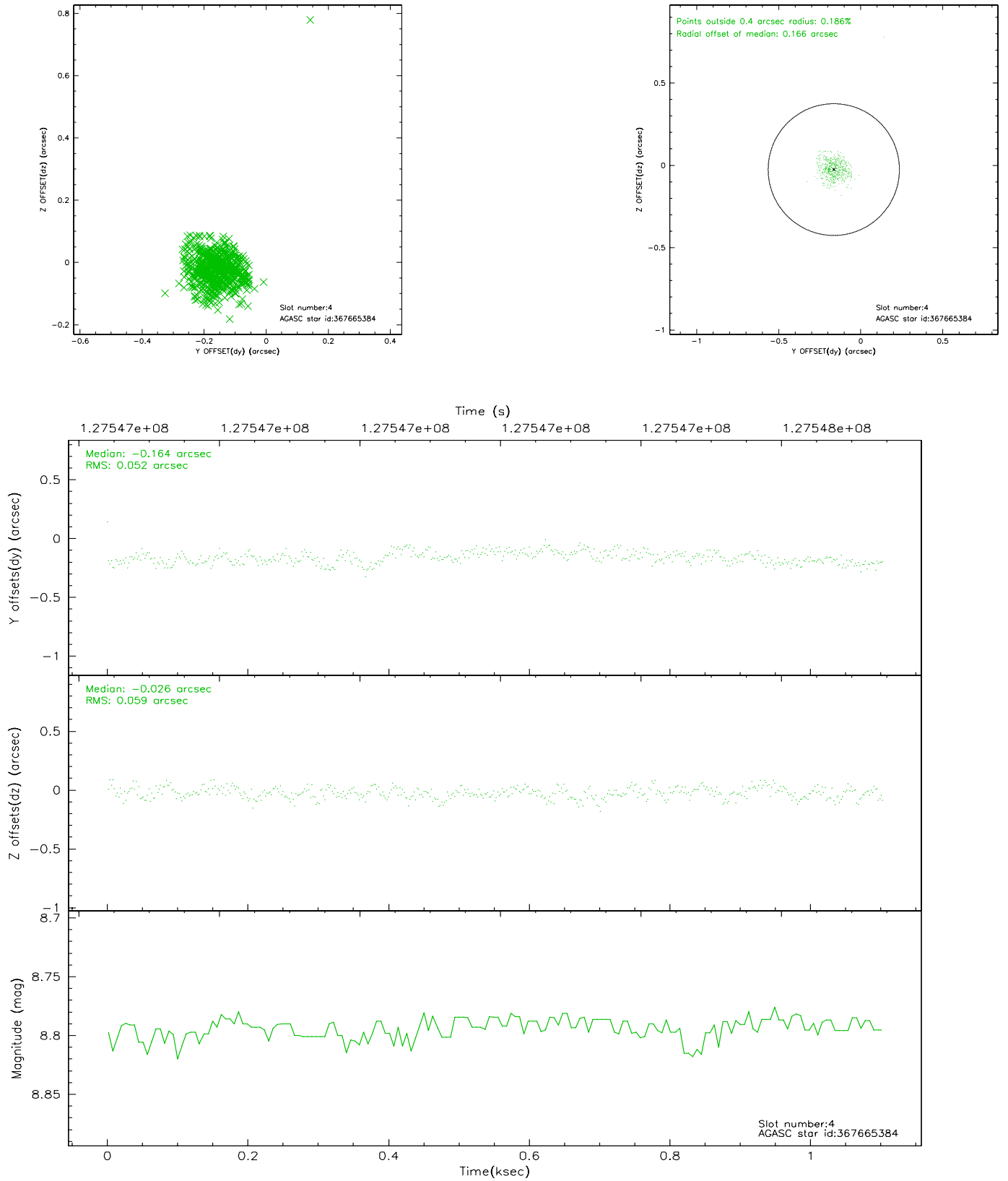
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	270	0.005	0.049	0.006	0.011	0.000000	0.000000	-759.05	-1293.06
1	FID	HRC-I-2	7.00	270	0.077	-0.051	0.006	0.009	0.000000	0.000000	850.84	-1299.49
2	FID	HRC-I-3	7.04	270	0.037	-0.088	0.006	0.010	0.000000	0.000000	-1184.41	1006.54
3	GUIDE	367667384	8.67	539	0.103	0.105	0.063	0.099	12.077552	41.596878	2319.53	1822.43
4	GUIDE	367665384	8.79	539	-0.164	-0.026	0.075	0.115	10.414363	42.275730	-1849.10	-1072.50
5	GUIDE	367657896	9.04	539	0.126	-0.001	0.083	0.136	11.197765	41.313576	2182.94	-759.96
6	GUIDE	367665472	9.49	536	-0.038	-0.135	0.121	0.192	10.241611	41.730843	-313.09	-2381.86
7	GUIDE	367660528	9.55	538	-0.027	0.068	0.100	0.161	11.676845	42.311657	-464.29	1983.92

2.4 Star Slots

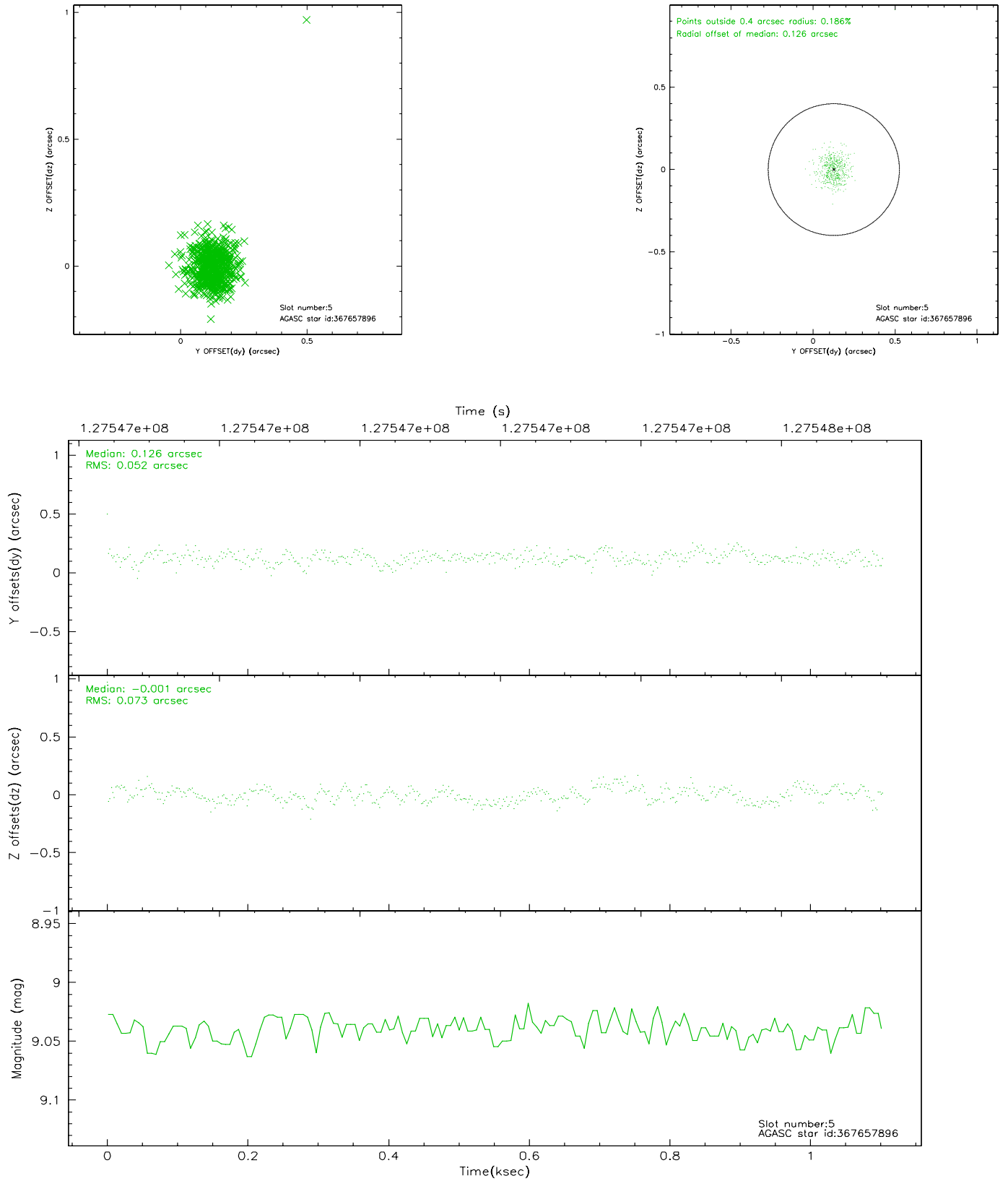
2.4.1 Slot 3



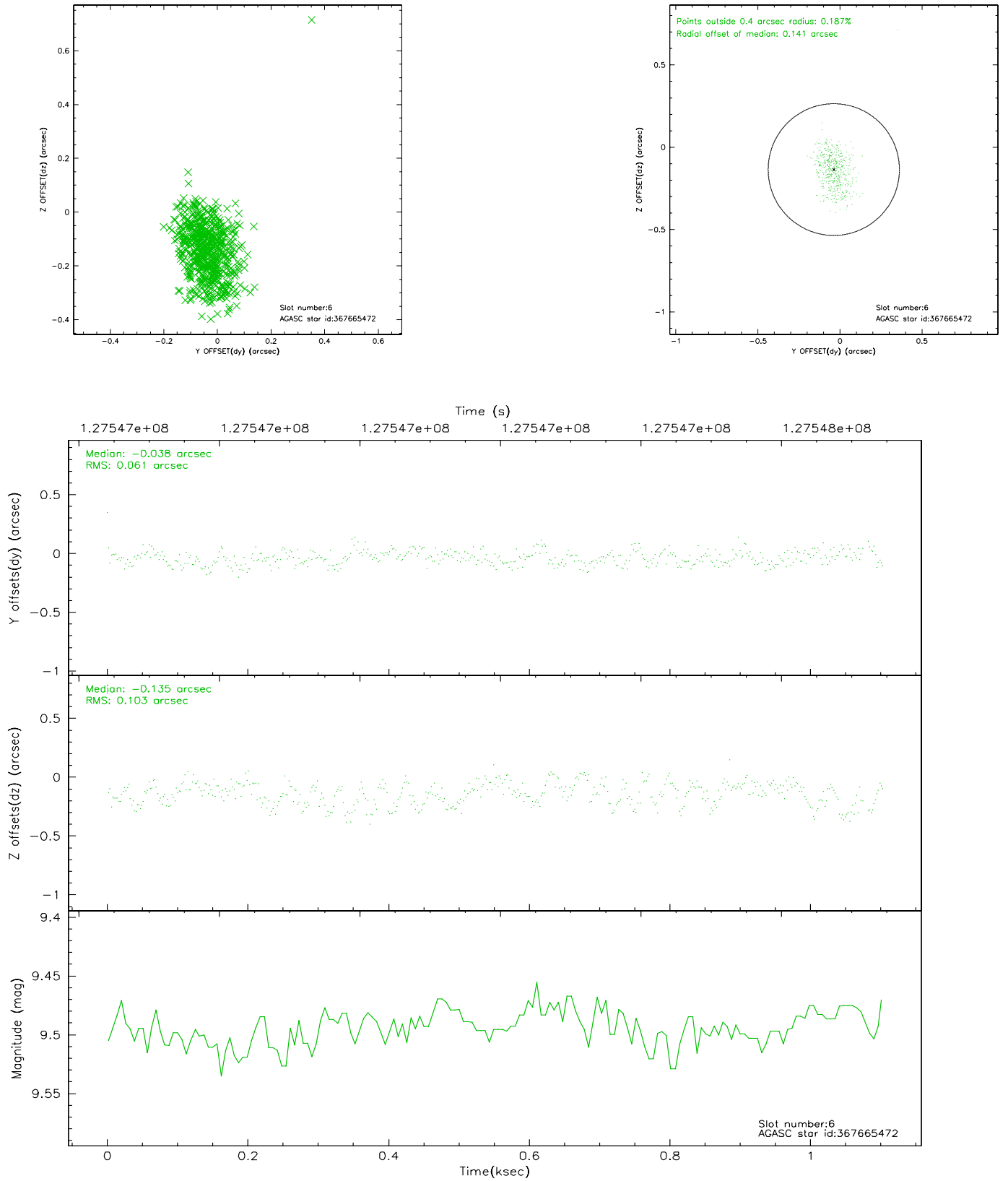
2.4.2 Slot 4



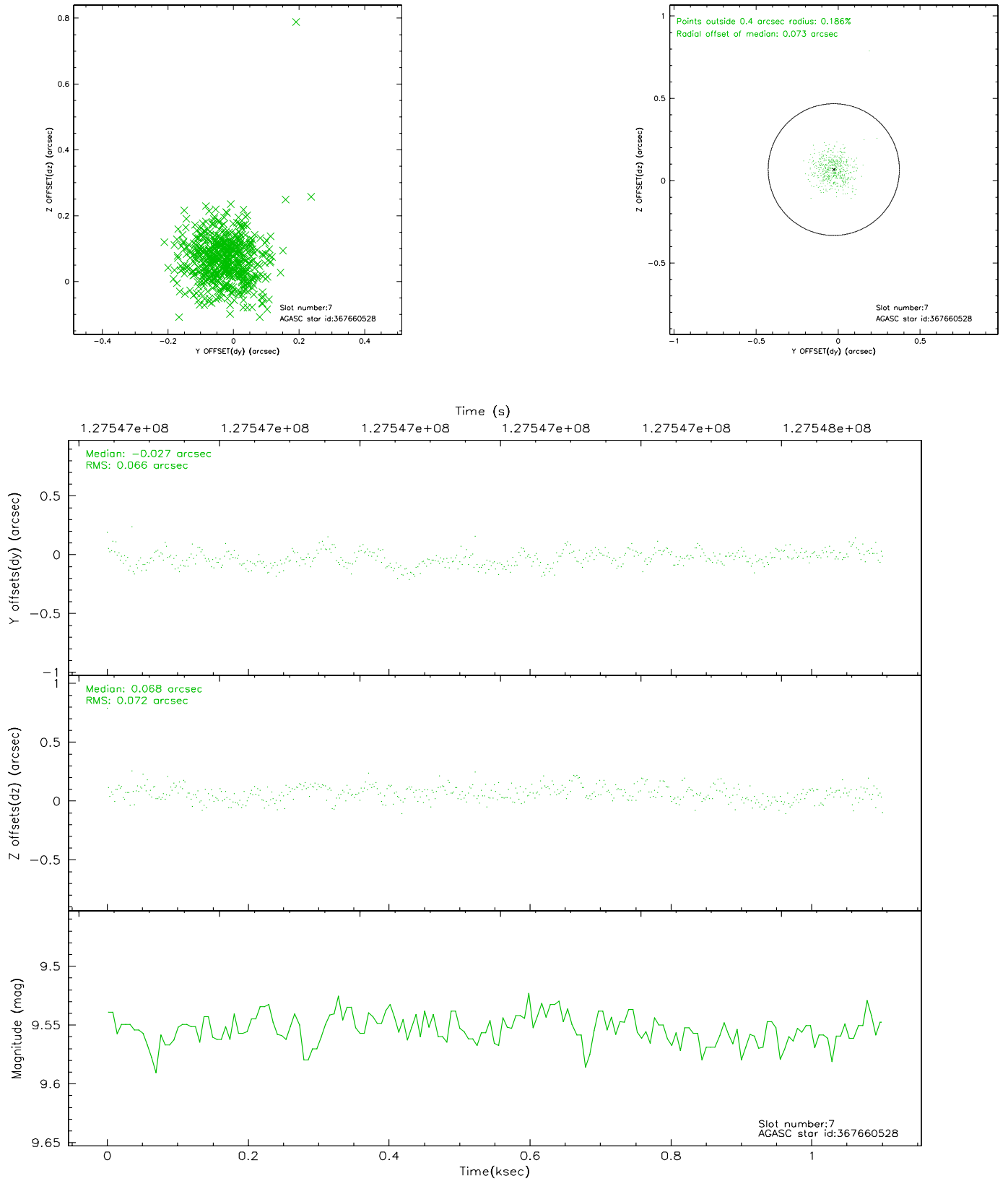
2.4.3 Slot 5



2.4.4 Slot 6

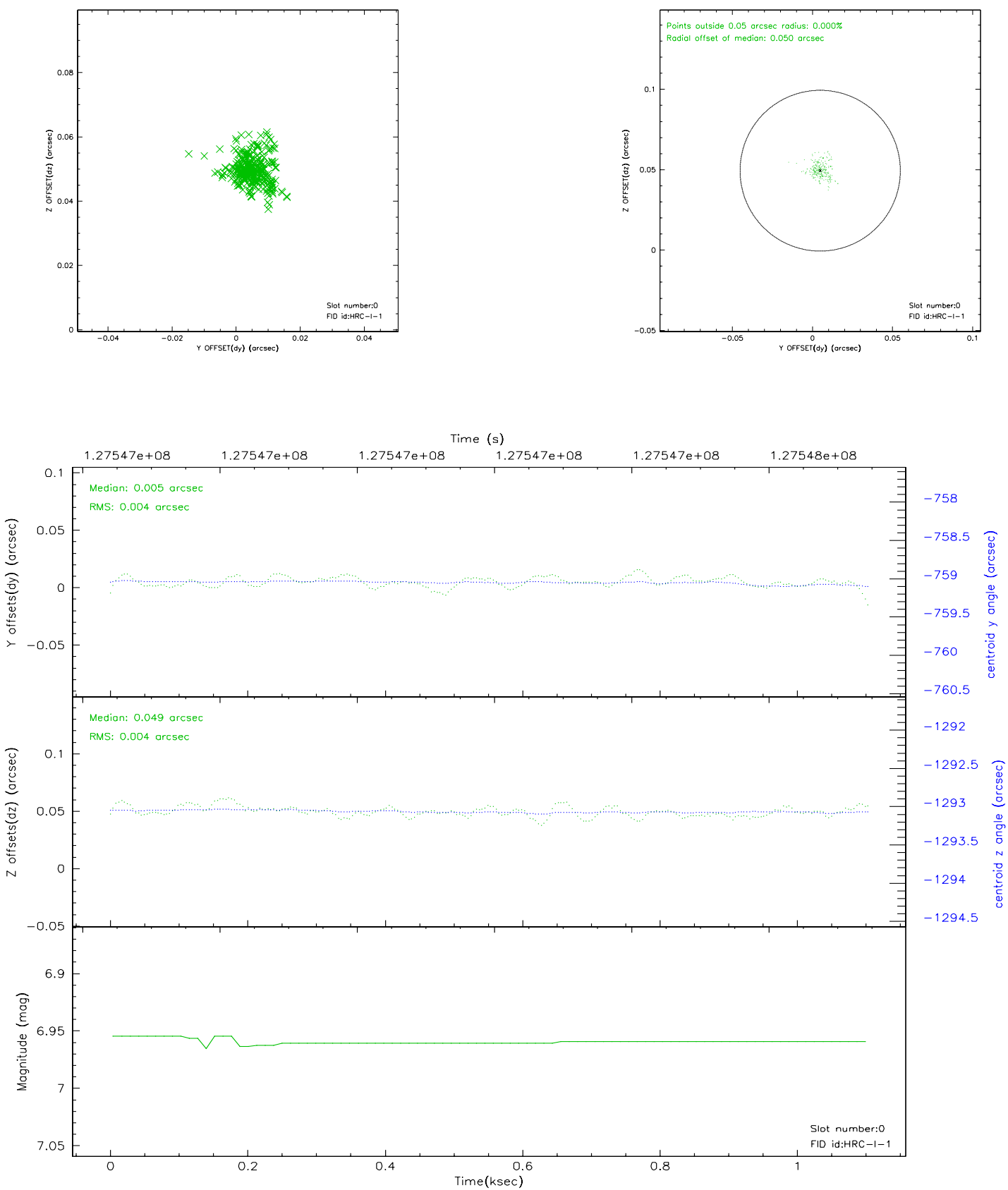


2.4.5 Slot 7

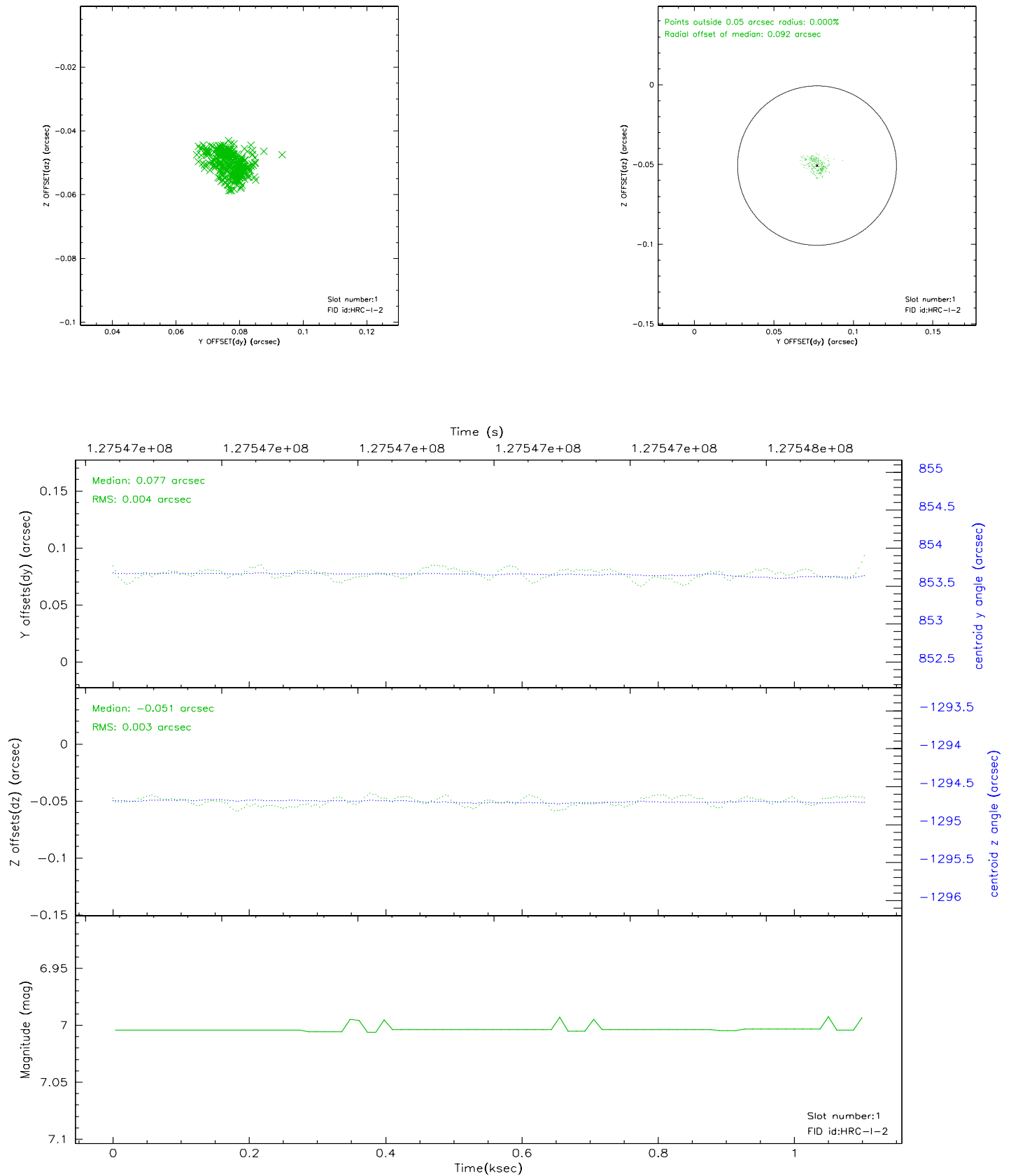


2.5 FID Slots

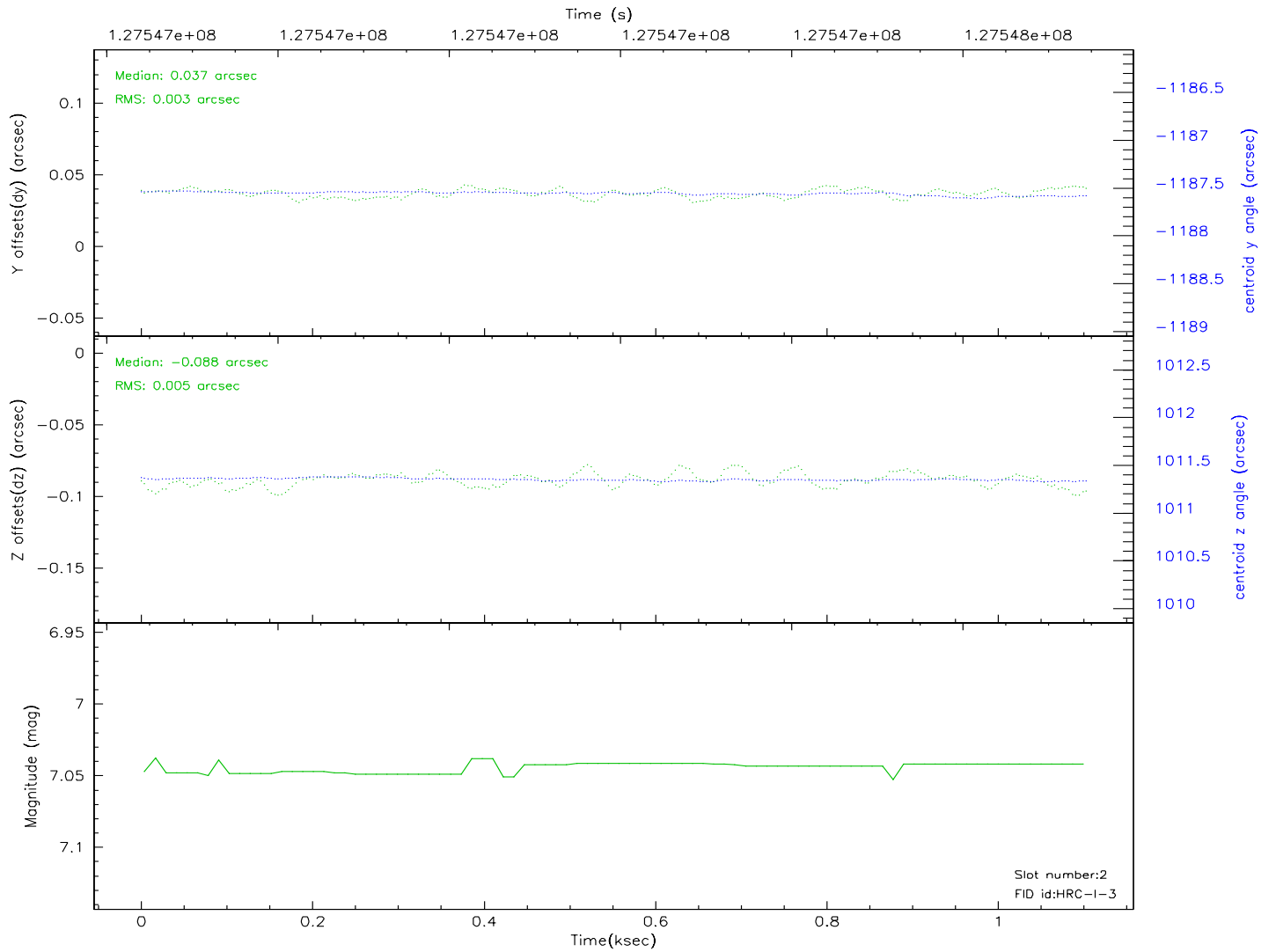
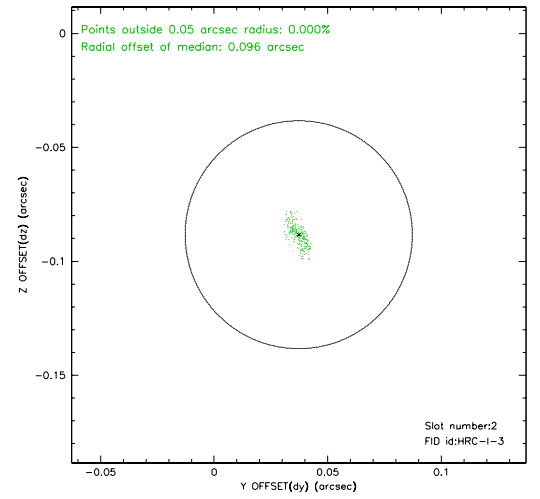
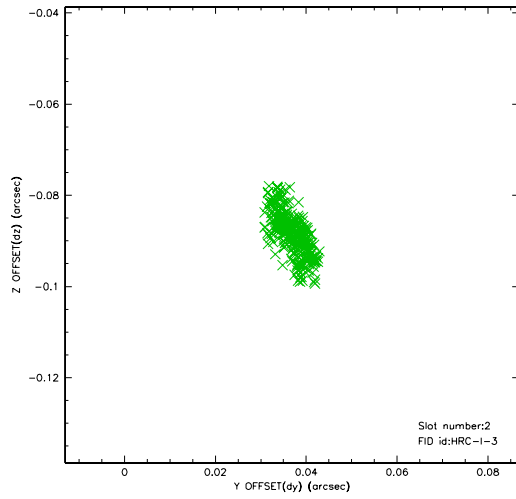
2.5.1 Slot 0



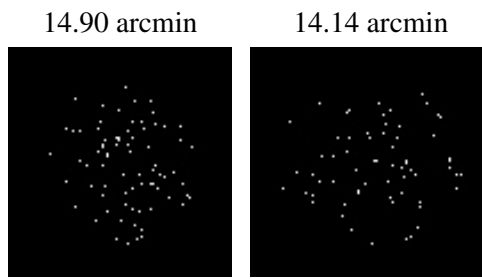
2.5.2 Slot 1



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	1.1

A.2 Comments

Window constraint satisfied.

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.