

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2412 - L2 Version 3
Chandra X-Ray Center

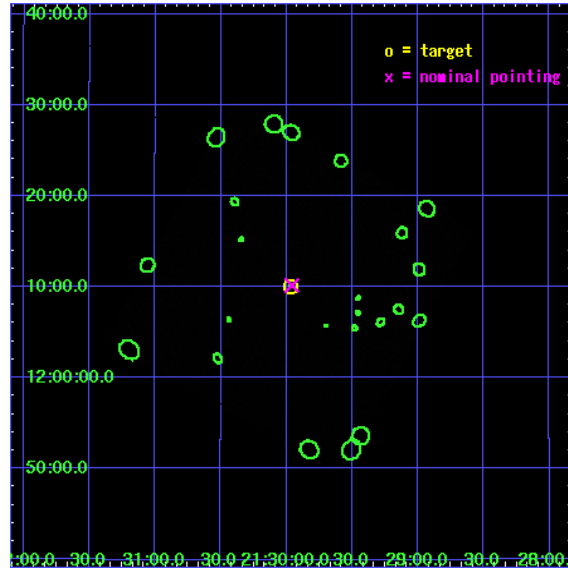
L2 Processing Date : Nov 20 2007

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1 Front

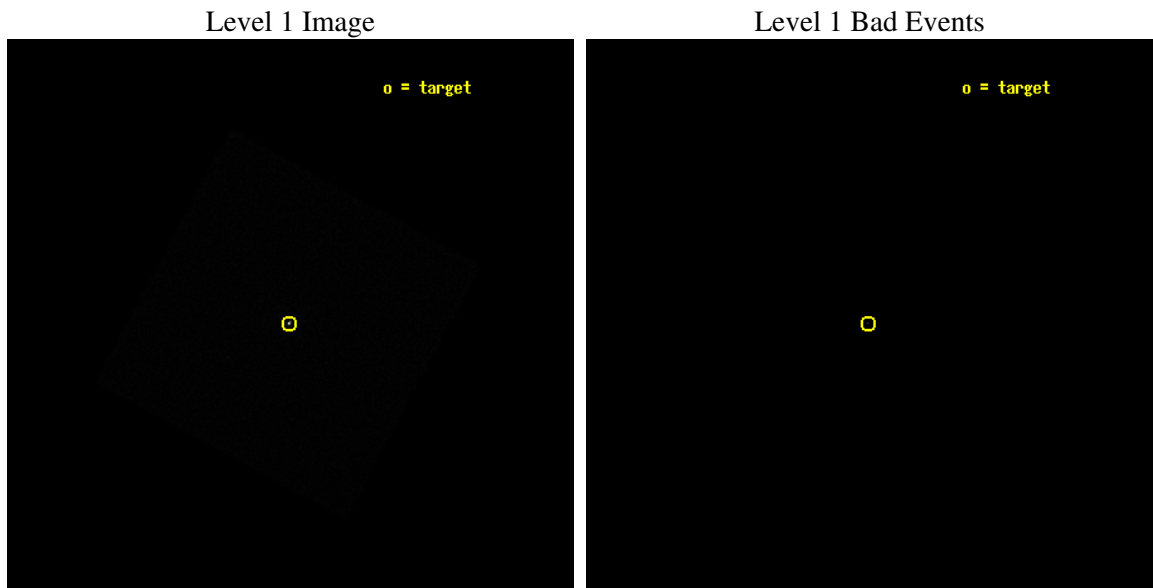
seq_num	300051
obs_id	2412
title	THE X-RAY SOURCE POPULATION IN THE CORE OF M15
observer	Prof Phil Charles
object	M15
ra_targ	322.492917
dec_targ	12.166806
ra_nom	322.48974018959
dec_nom	12.169417062627
roll_nom	163.47691936403
revision	3
ontime	8872.4003443867
livetime	8820.6496109779
l2events	316434



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	2007-11-20T18:35:18
revision	3

sched_exp_time	9000.000000
ontime	8872.6565991193
l1events	444578

2.1.3 Events

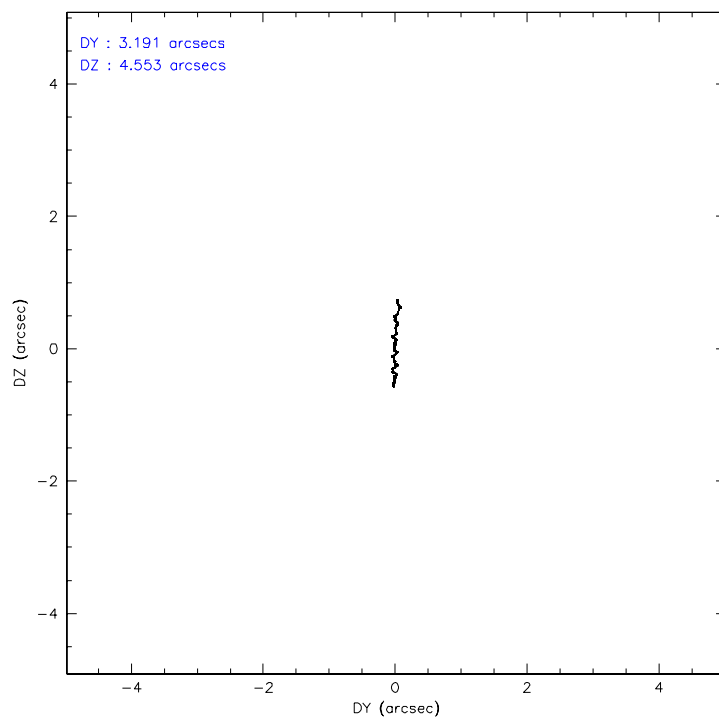
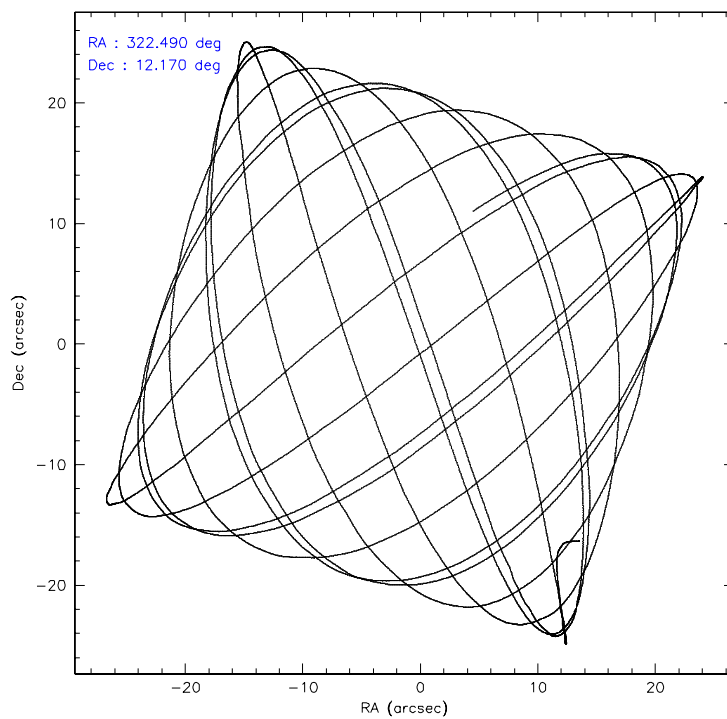
Level 1 Events

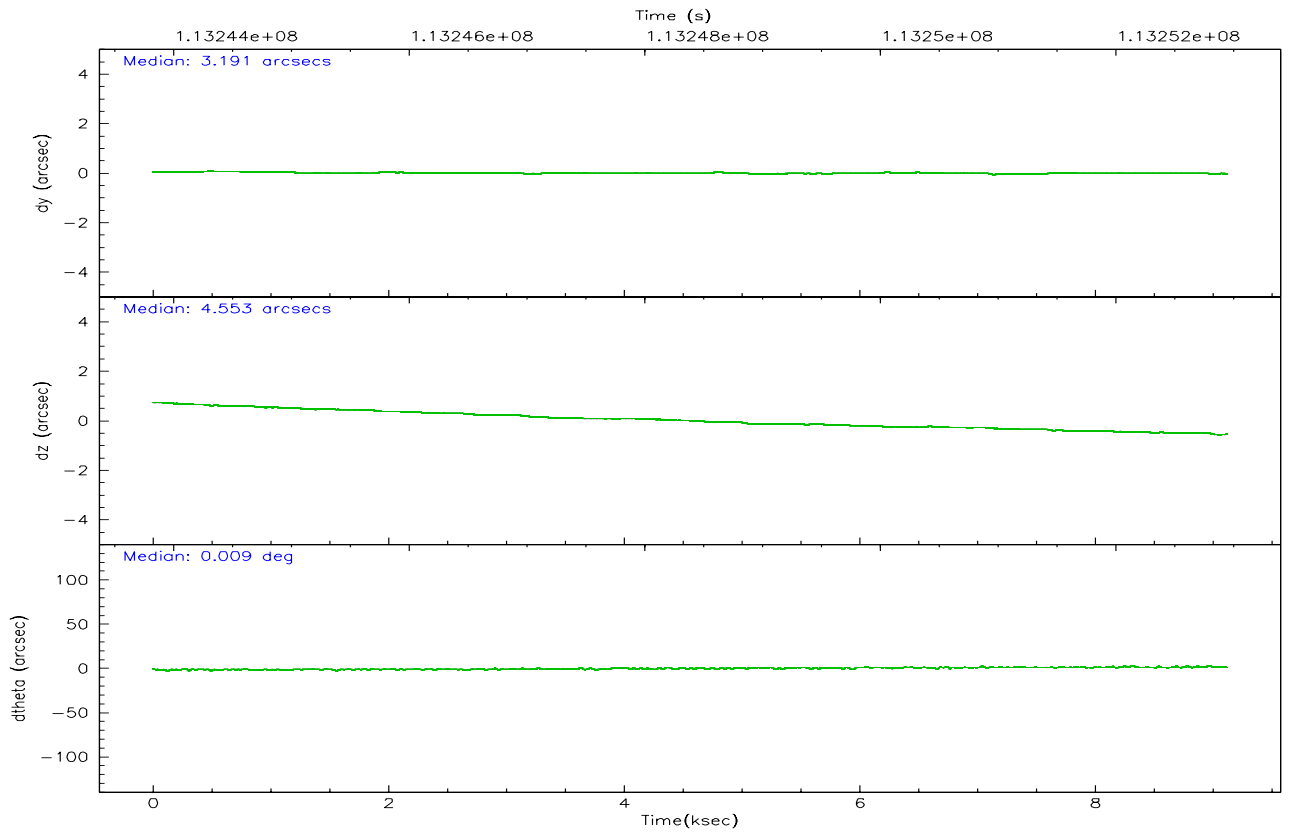
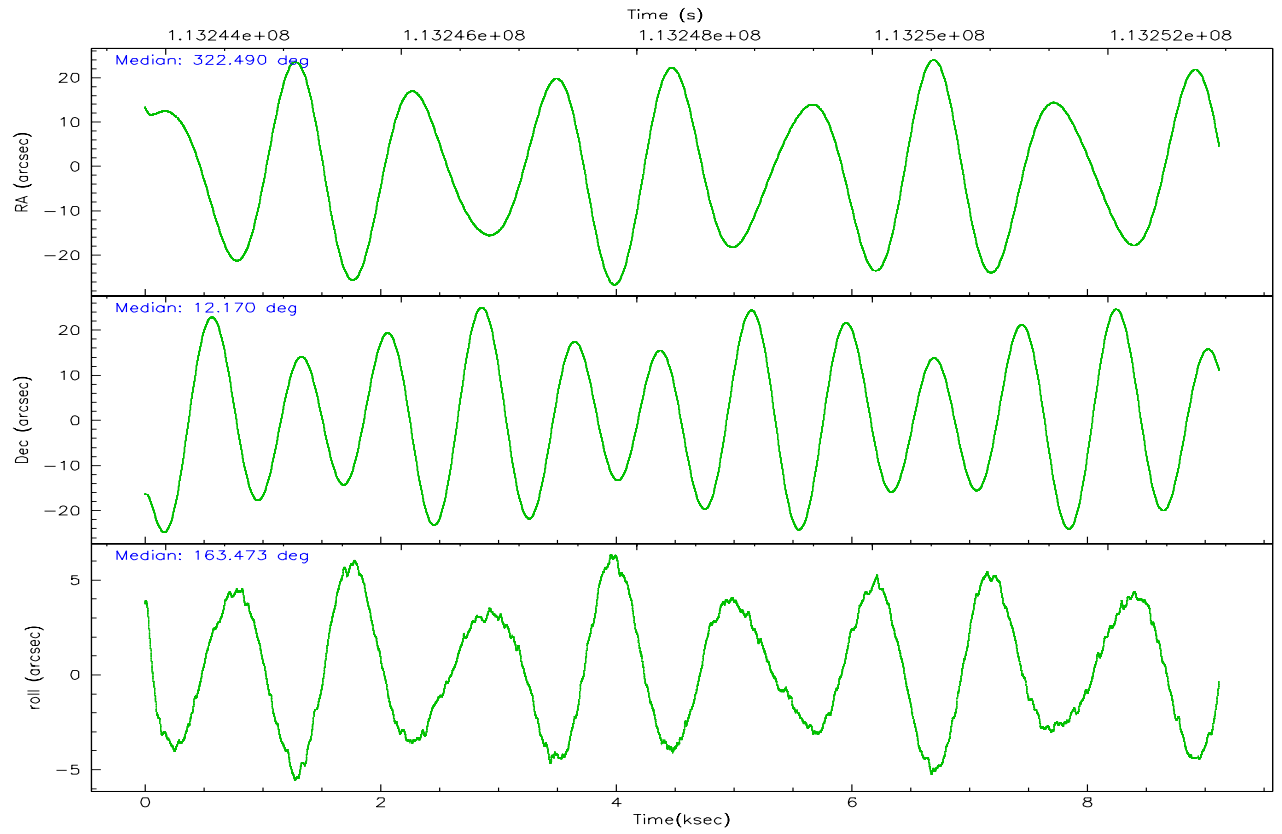
	segment 0
level 1 events	444578
rejected events	5450
rejected %	1%

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	322.516426	322.489740189593			
Pointing Dec	12.176363	12.16941706262705			
Pointing Roll	163.566771	163.4769193640278			
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			
Phase constraints	Y	Y			
Phase period	0.712917	0.712917			
Phase epoch	50642.547000	50642.547000			
Phase start	0.900000	0.900000			
Phase end	0.100000	0.100000			
Phase start error	0.050000	0.050000			
Phase end error	0.050000	0.050000			
Observation start time	113243941.184000	113243075.63319			
Observation start date	2001-08-03T16:37:57	2001-08-03T16:24:35			
Observation end time	113252941.184000	113253828.90861			
Observation end date	2001-08-03T19:07:57	2001-08-03T19:23:48			

2.3 Aspect



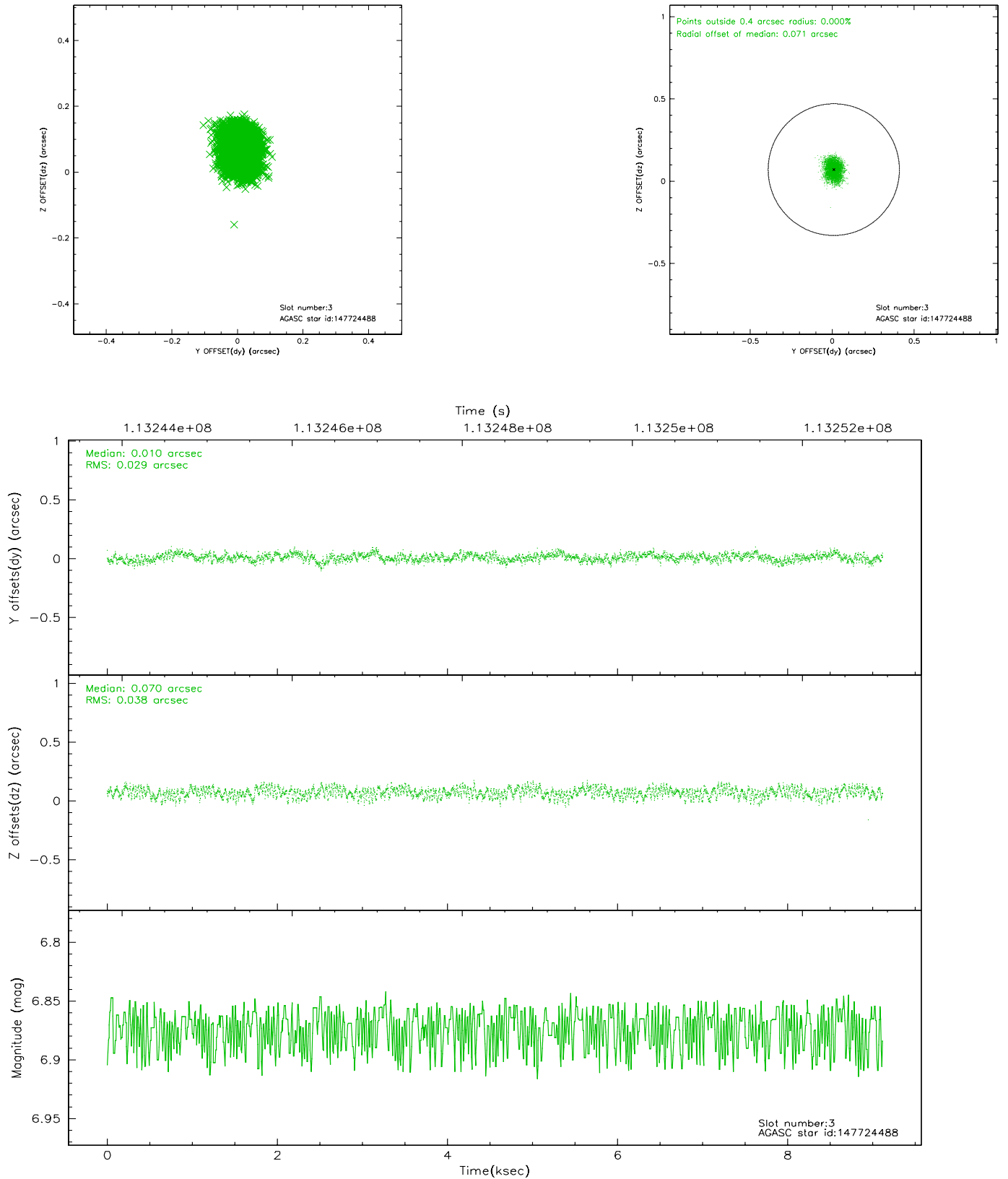


Slot Statistics

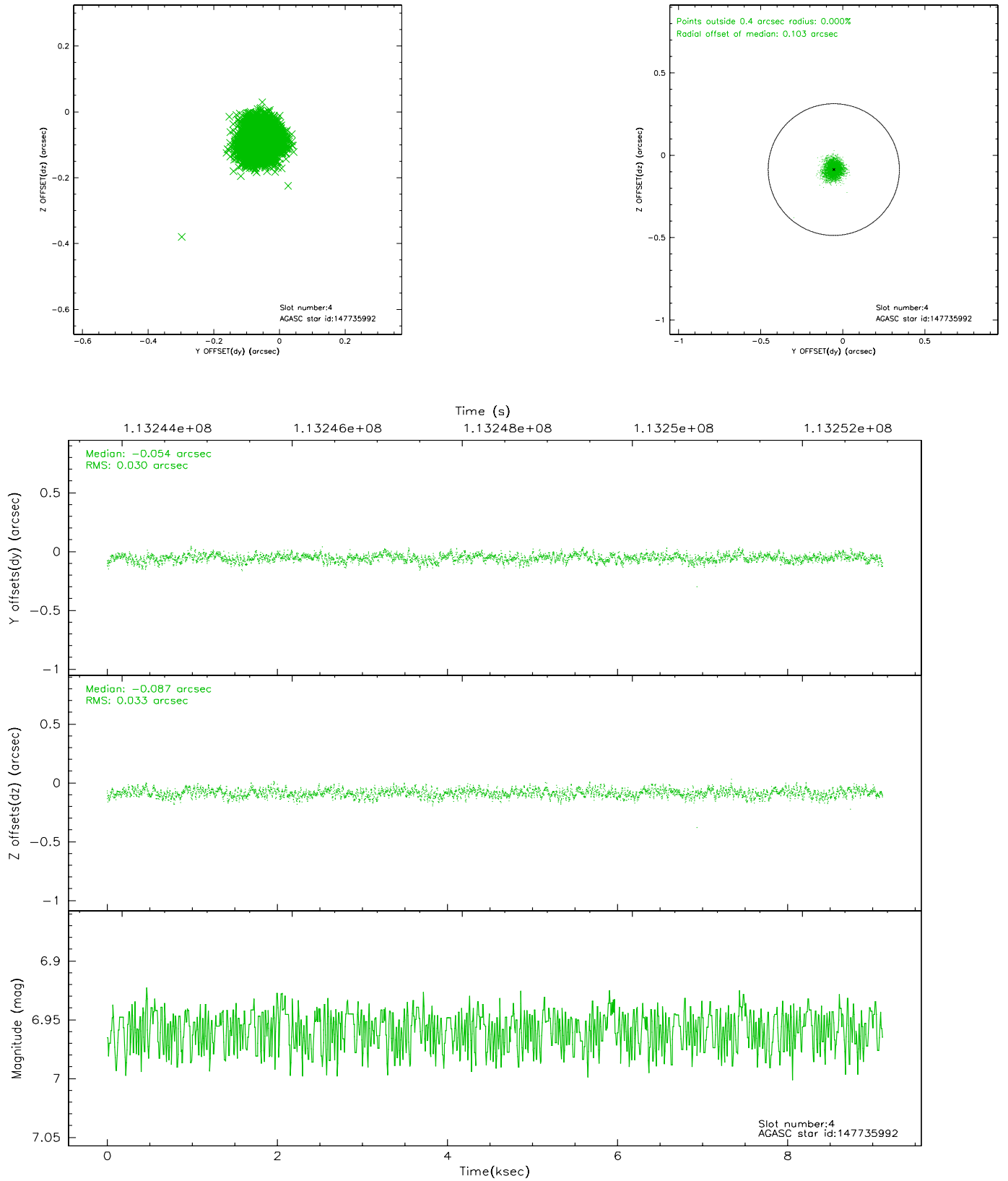
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	2225	0.042	0.049	0.016	0.025	0.000000	0.000000	-758.65	-1292.30
1	FID	HRC-I-3	7.07	2225	0.005	-0.089	0.008	0.014	0.000000	0.000000	-1187.49	1011.55
2	FID	HRC-I-4	7.01	2225	0.067	-0.048	0.016	0.024	0.000000	0.000000	1283.66	1010.20
3	GUIDE	147724488	6.87	4450	0.010	0.070	0.051	0.082	323.246427	12.539602	-2089.13	-1983.09
4	GUIDE	147735992	6.96	4450	-0.054	-0.087	0.048	0.076	322.299566	11.952911	504.88	987.22
5	GUIDE	147722152	7.53	4449	0.034	0.035	0.049	0.080	322.735072	12.555367	-350.13	-1525.78
6	GUIDE	147735328	8.68	4448	-0.113	-0.046	0.060	0.100	321.823462	12.214663	2378.74	554.63
7	GUIDE	147731936	8.70	4446	0.123	0.031	0.056	0.091	322.421133	12.450297	601.50	-850.67

2.4 Star Slots

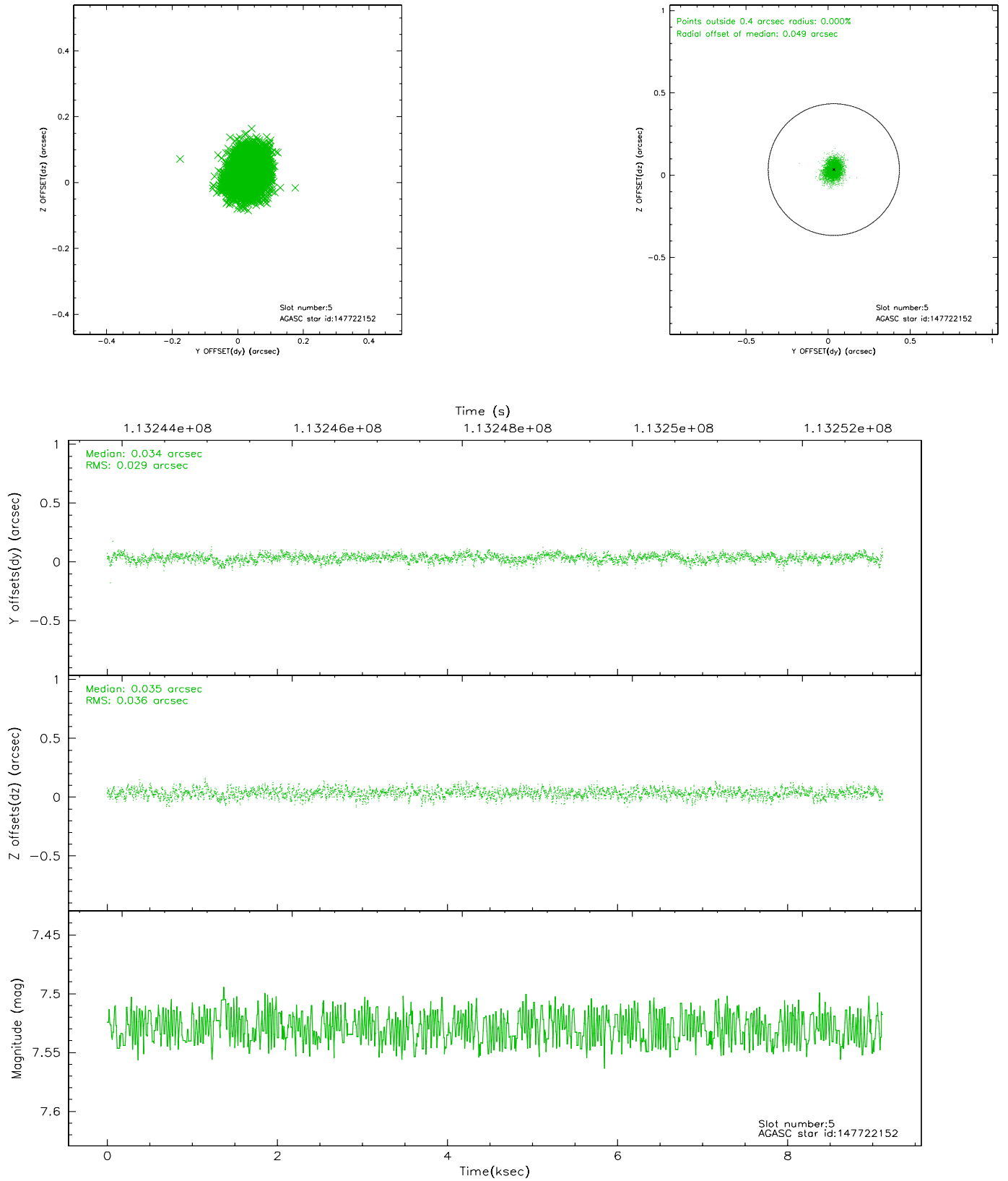
2.4.1 Slot 3



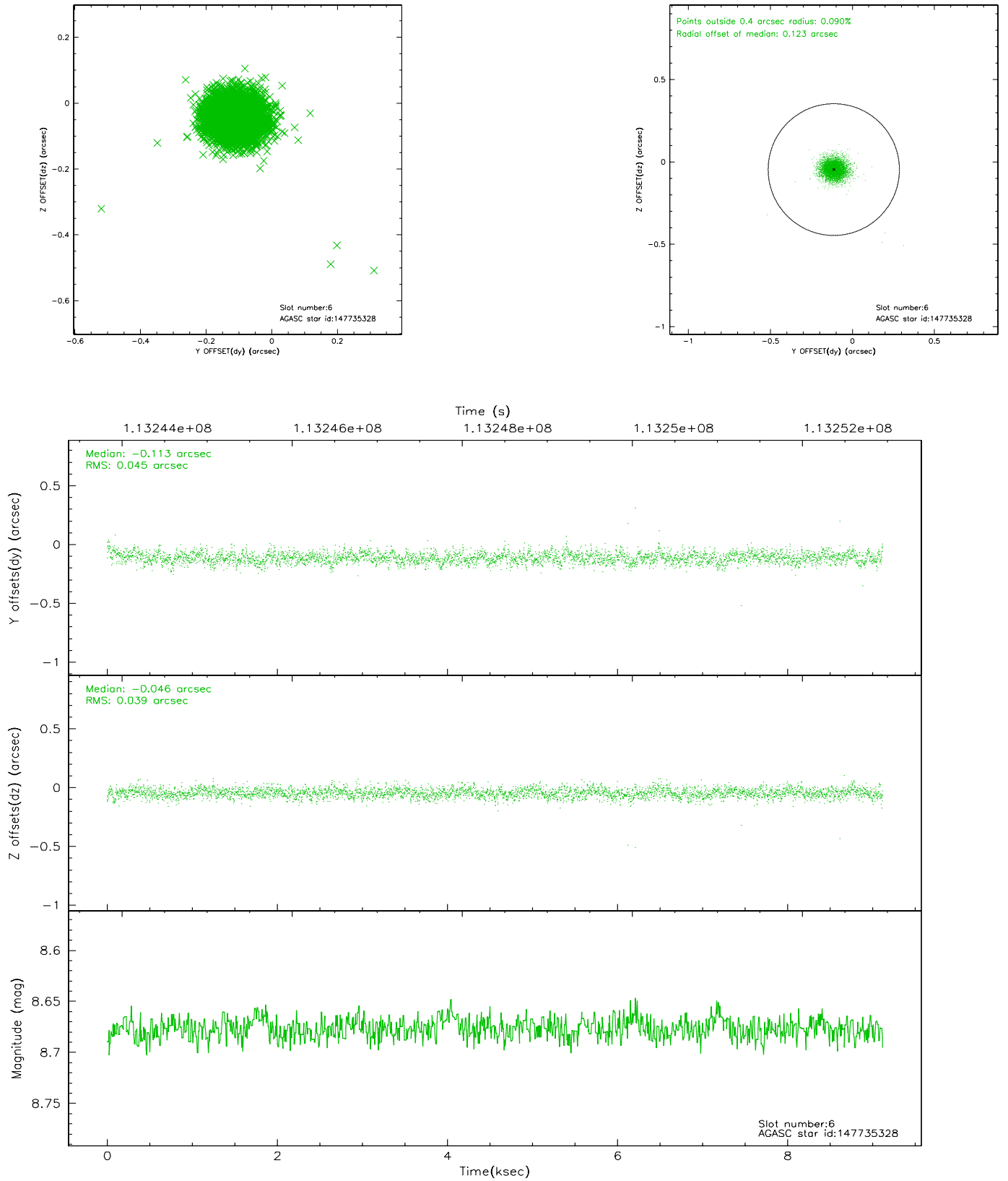
2.4.2 Slot 4



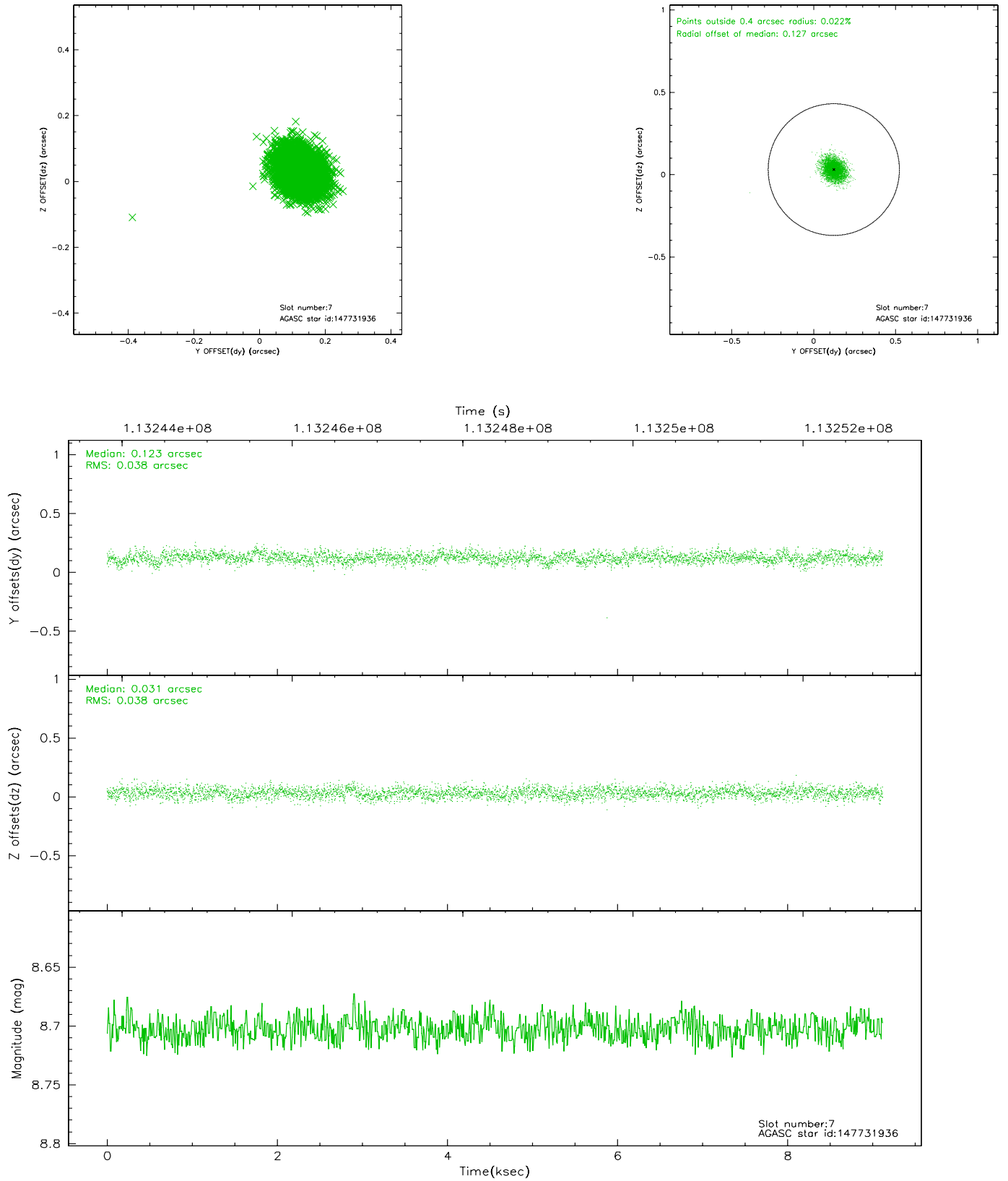
2.4.3 Slot 5



2.4.4 Slot 6

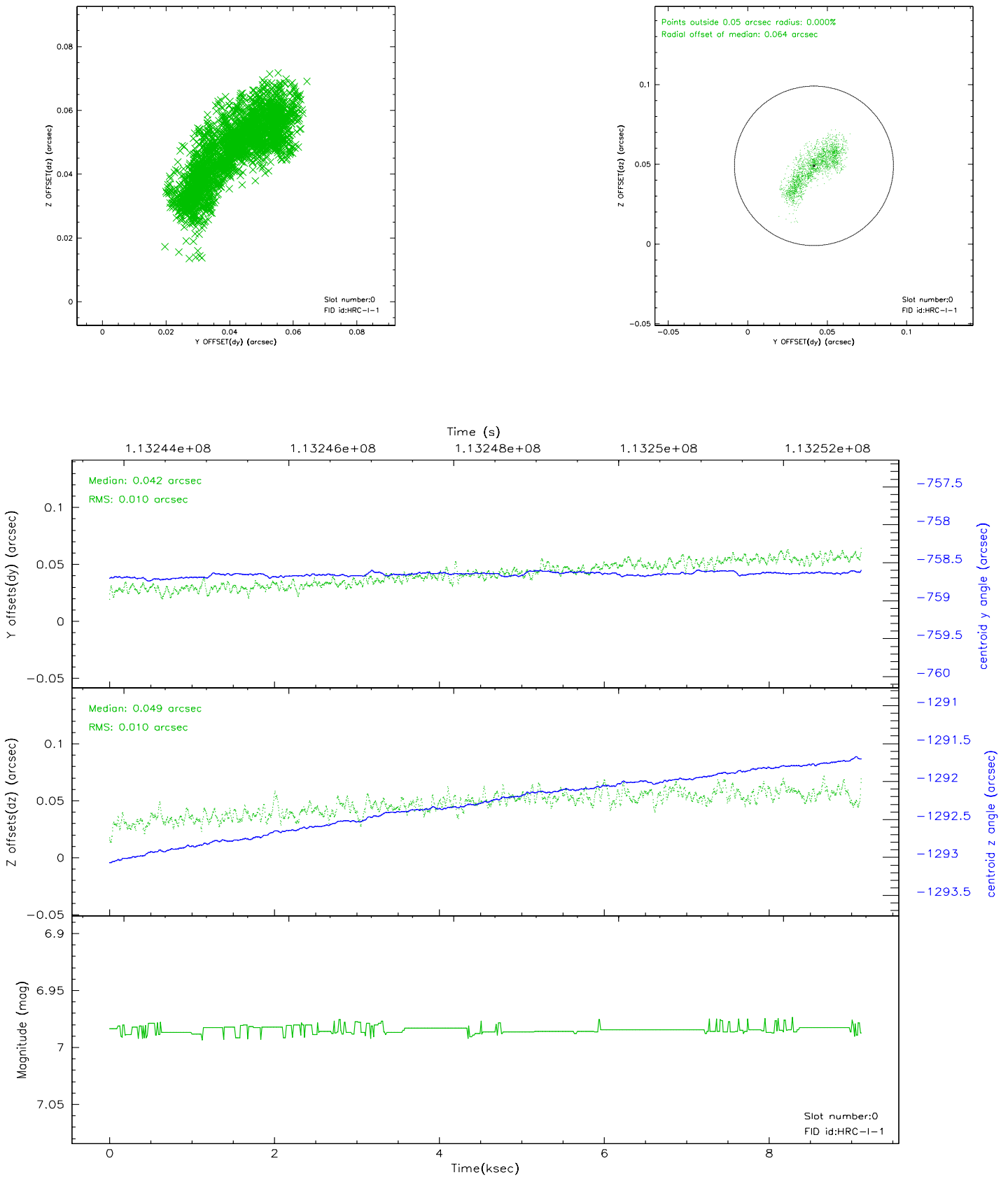


2.4.5 Slot 7

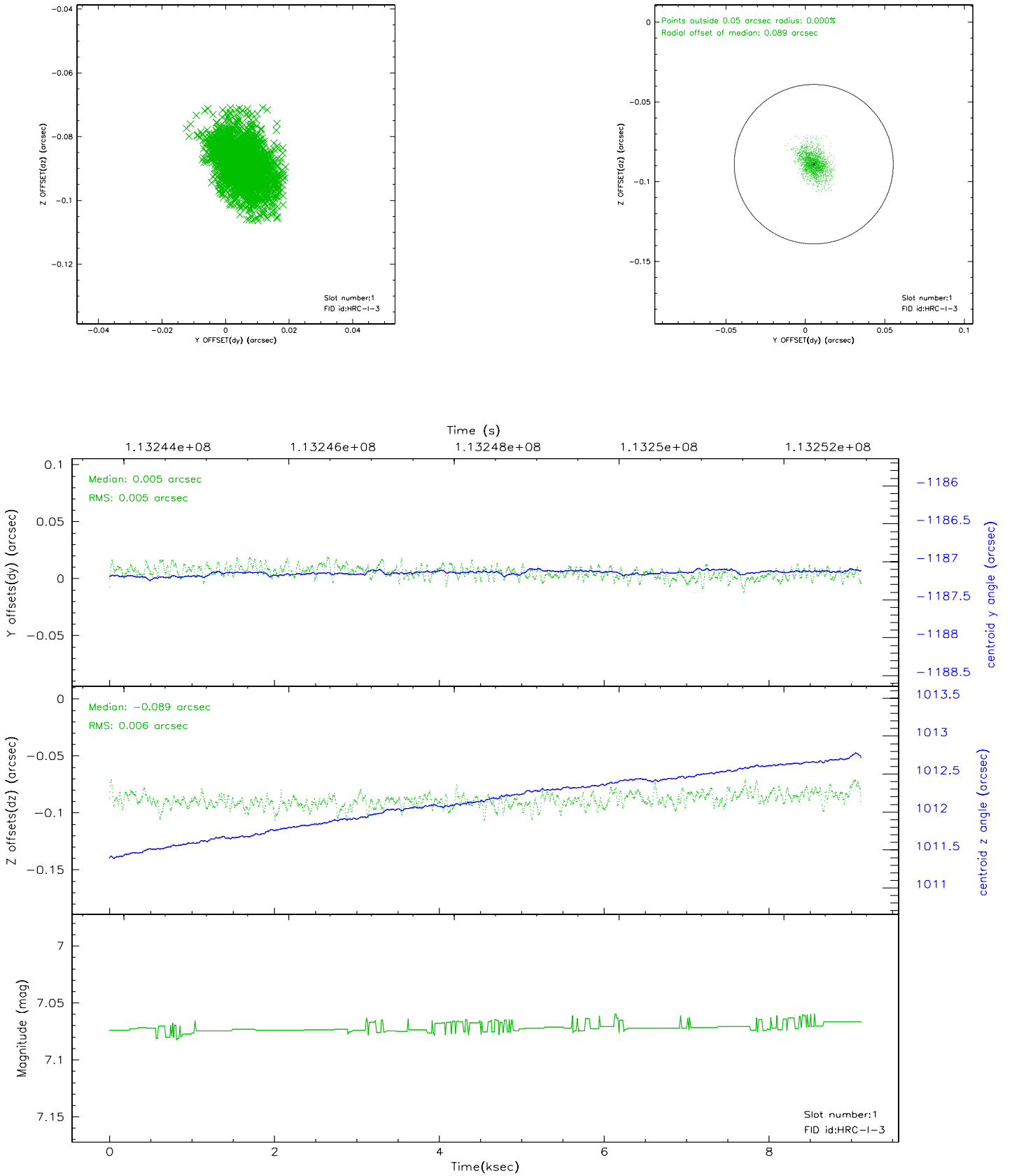


2.5 FID Slots

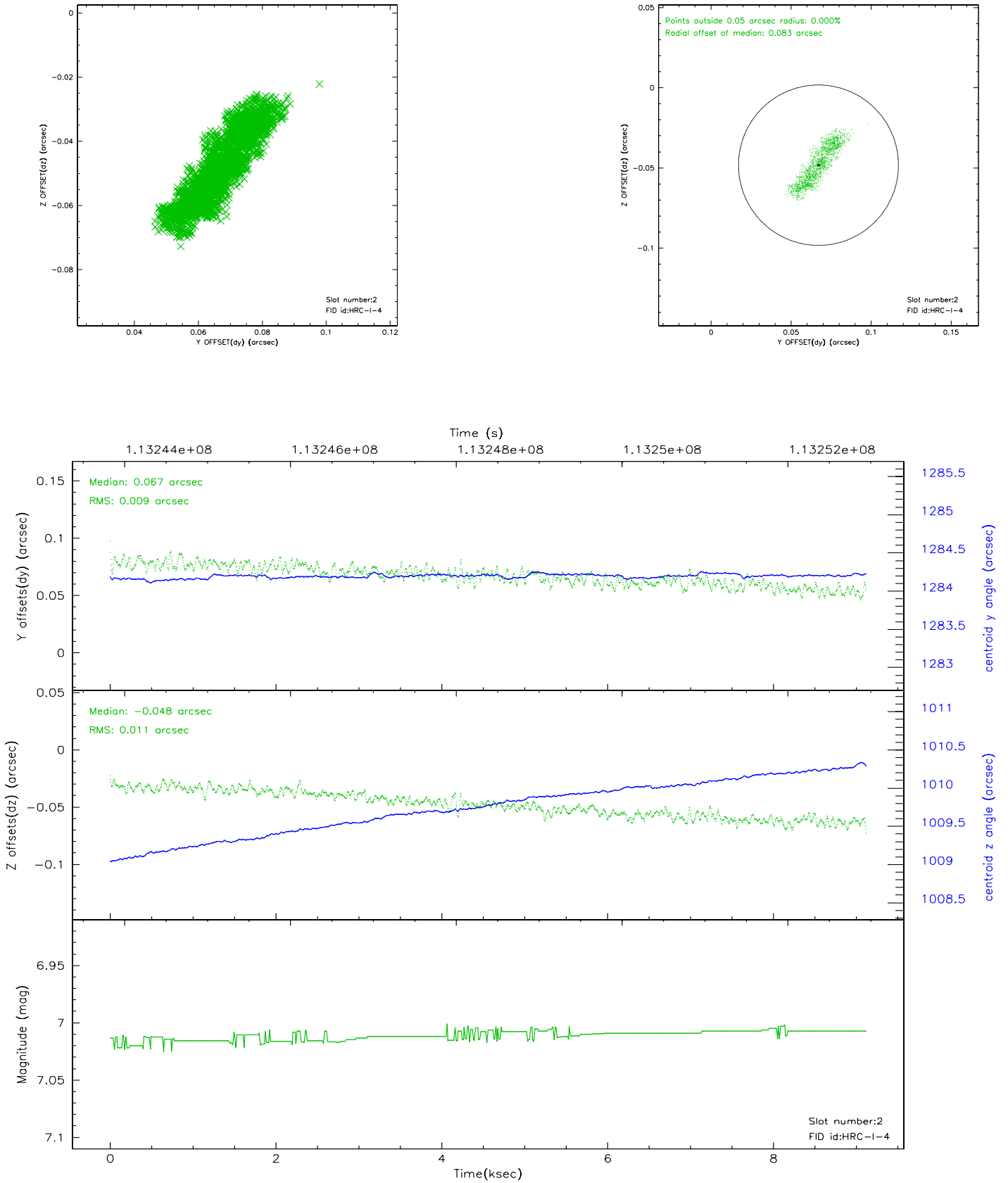
2.5.1 Slot 0



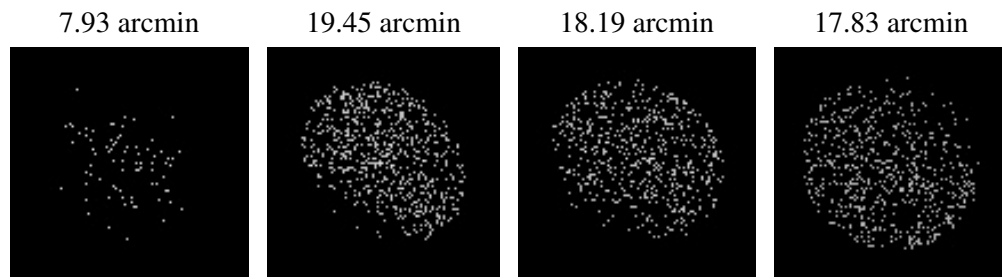
2.5.2 Slot 1



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	8.9

A.2 Comments

Phase constraint OK per previous V&V report.

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.