

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1903 - L2 Version 3
Chandra X-Ray Center

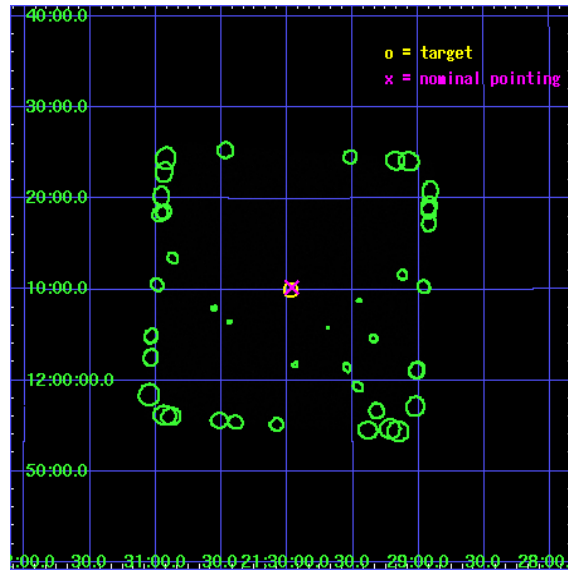
L2 Processing Date : Nov 20 2007

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1 Front

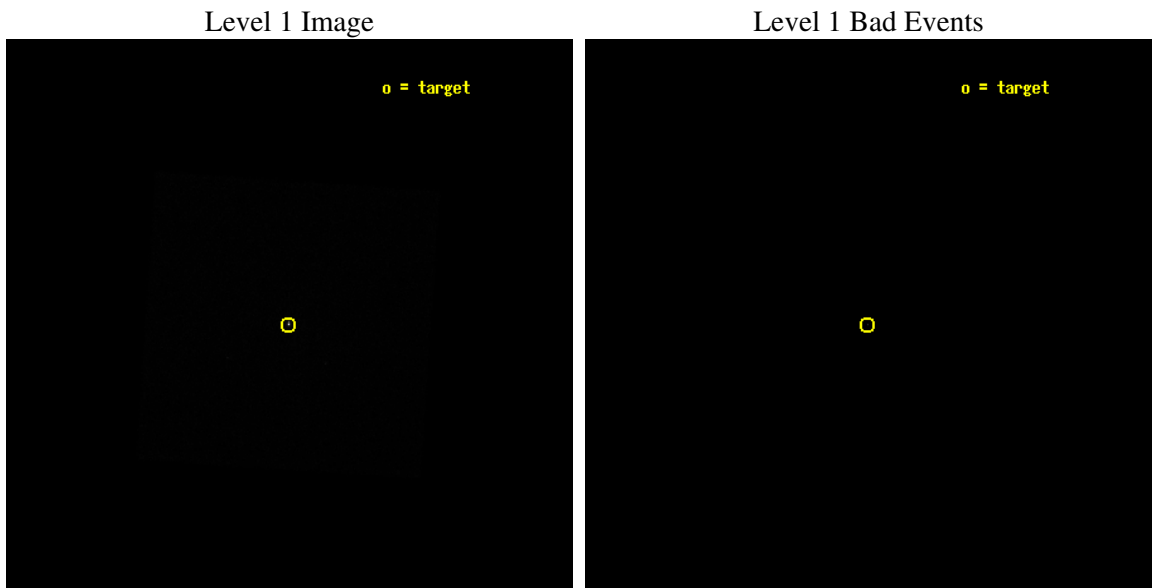
seq_num	300051
obs_id	1903
title	THE X-RAY SOURCE POPULATION IN THE CORE OF M15
observer	Prof Phil Charles
object	M15
ra_targ	322.492917
dec_targ	12.166806
ra_nom	322.49113161095
dec_nom	12.170483842814
roll_nom	138.89773915628
revision	3
ontime	9150.4316079617
livetime	9096.3235498421
l2events	321728



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	2007-11-20T17:41:54
revision	3

sched_exp_time	9000.000000
ontime	9150.4316079617
l1events	485105

2.1.3 Events

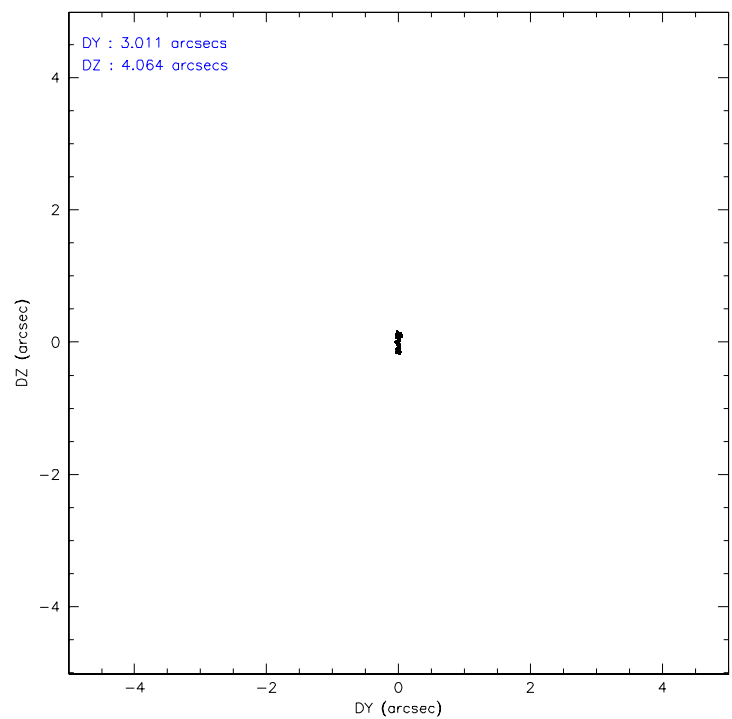
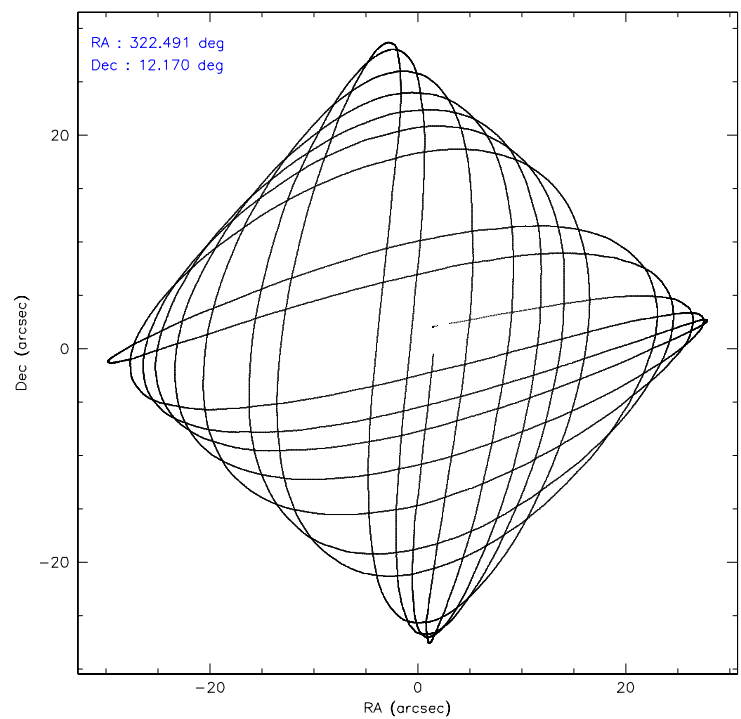
Level 1 Events

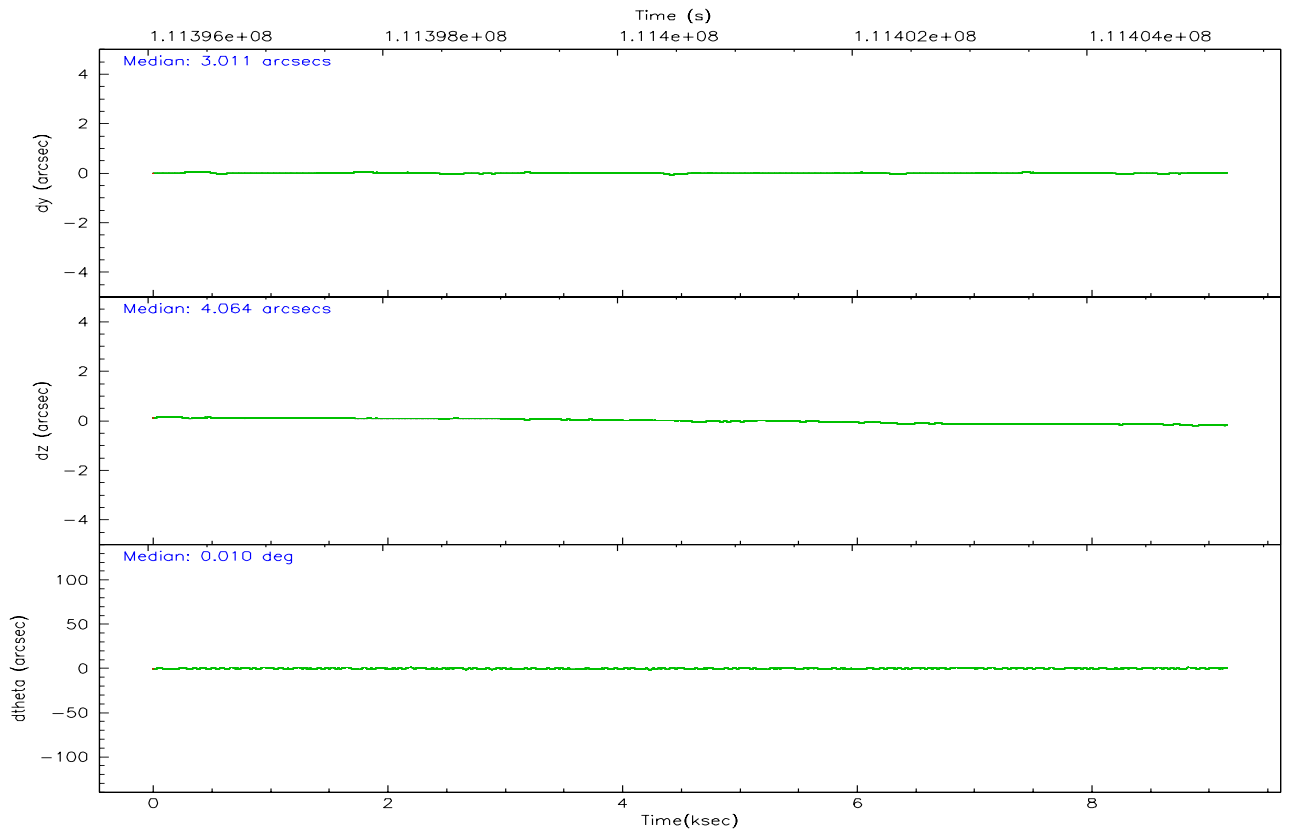
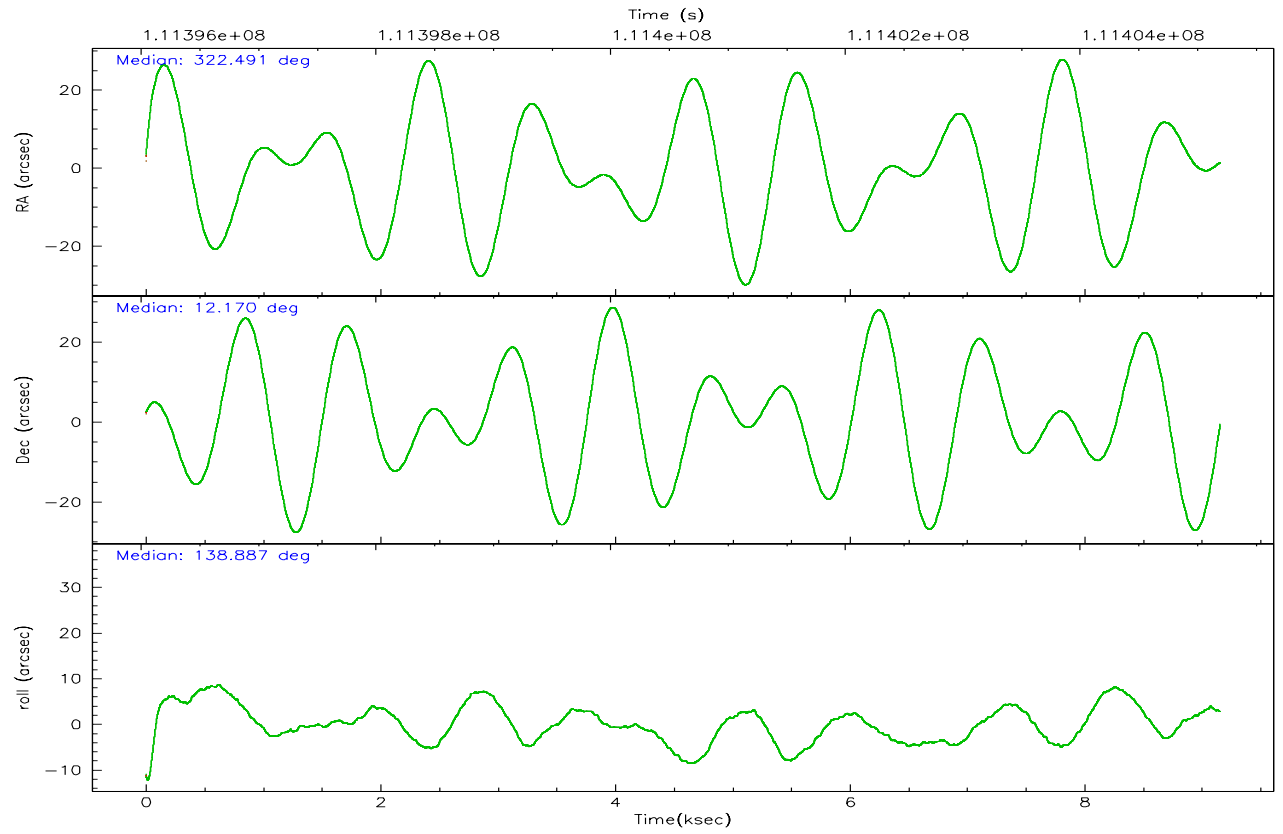
	segment 0
level 1 events	485105
rejected events	35654
rejected %	7%

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	322.518358	322.4911316109466			
Pointing Dec	12.165939	12.17048384281385			
Pointing Roll	138.987509	138.8977391562836			
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	111396194.184000	111395263.47321			
Observation start date	2001-07-13T07:22:10	2001-07-13T07:07:43			
Observation end time	111405194.184000	111405882.98613			
Observation end date	2001-07-13T09:52:10	2001-07-13T10:04:42			

2.3 Aspect



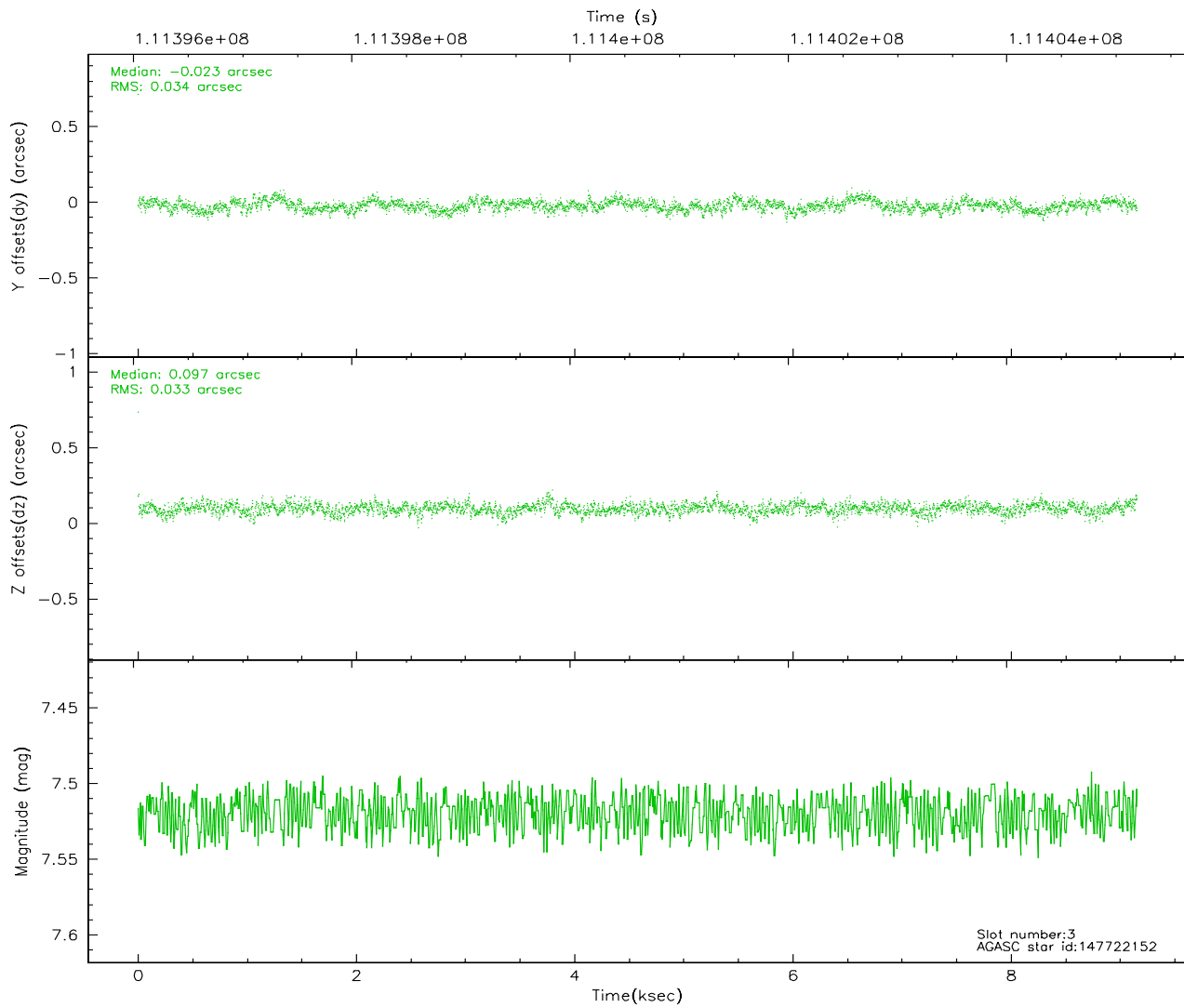
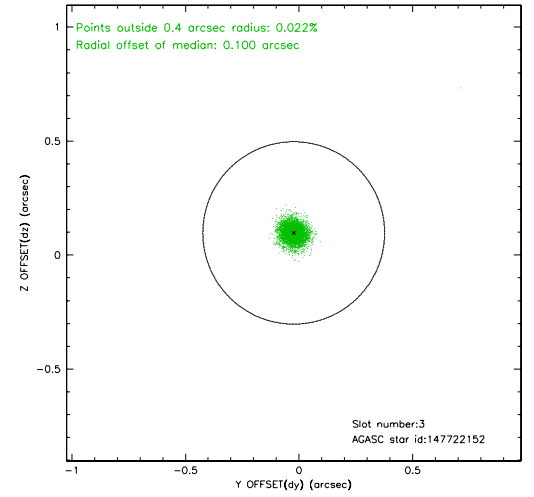
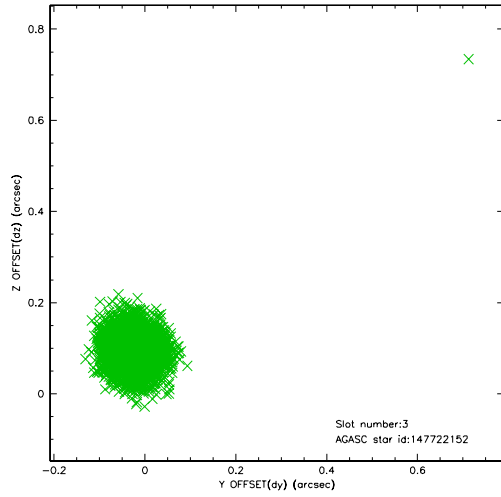


Slot Statistics

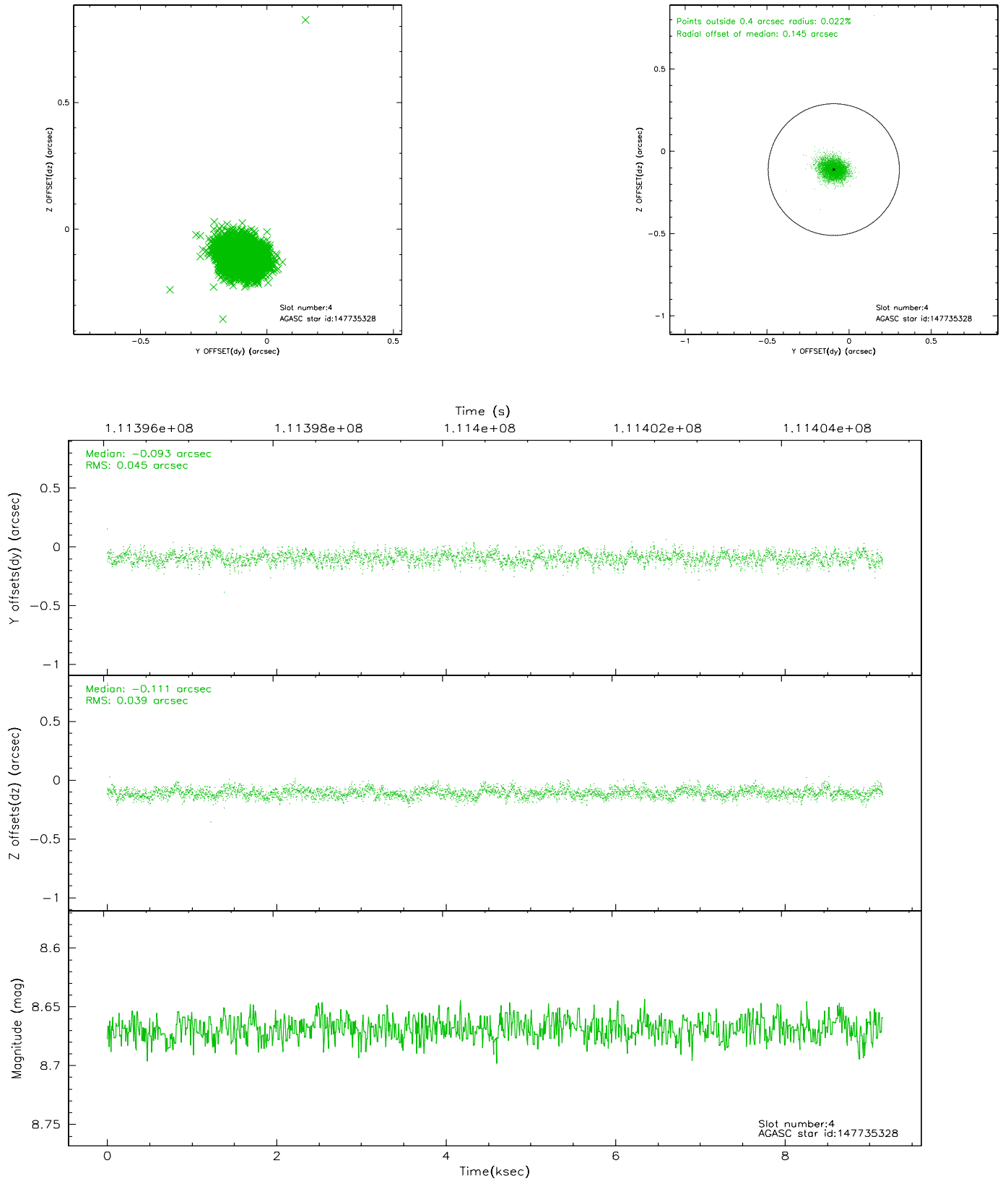
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	2232	0.059	0.065	0.007	0.011	0.000000	0.000000	-758.46	-1291.74
1	FID	HRC-I-3	7.04	2232	0.010	-0.088	0.008	0.013	0.000000	0.000000	-1187.28	1012.11
2	FID	HRC-I-4	6.98	2232	0.045	-0.067	0.006	0.011	0.000000	0.000000	1283.84	1010.71
3	GUIDE	147722152	7.52	4463	-0.023	0.097	0.048	0.078	322.735072	12.555367	346.36	-1557.75
4	GUIDE	147735328	8.67	4462	-0.093	-0.111	0.062	0.100	321.823462	12.214663	1962.32	1469.57
5	GUIDE	147731936	8.70	4465	0.083	0.073	0.054	0.090	322.421133	12.450297	930.85	-547.74
6	GUIDE	147732752	9.07	4465	0.021	-0.186	0.089	0.143	321.797195	11.999048	1524.52	2117.19
7	GUIDE	147733944	9.45	4464	0.017	0.127	0.102	0.164	322.398395	12.904544	2063.82	-1729.34

2.4 Star Slots

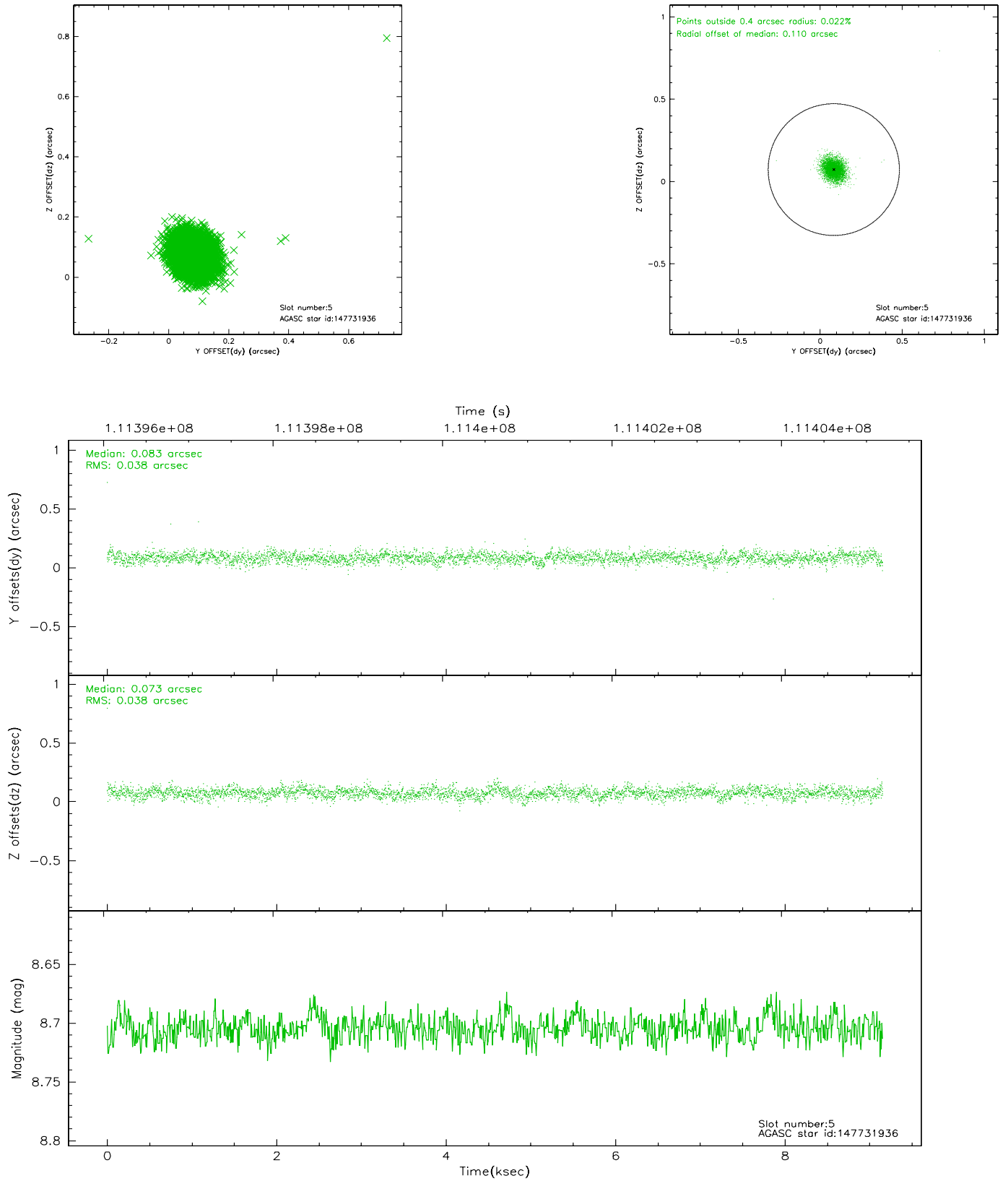
2.4.1 Slot 3



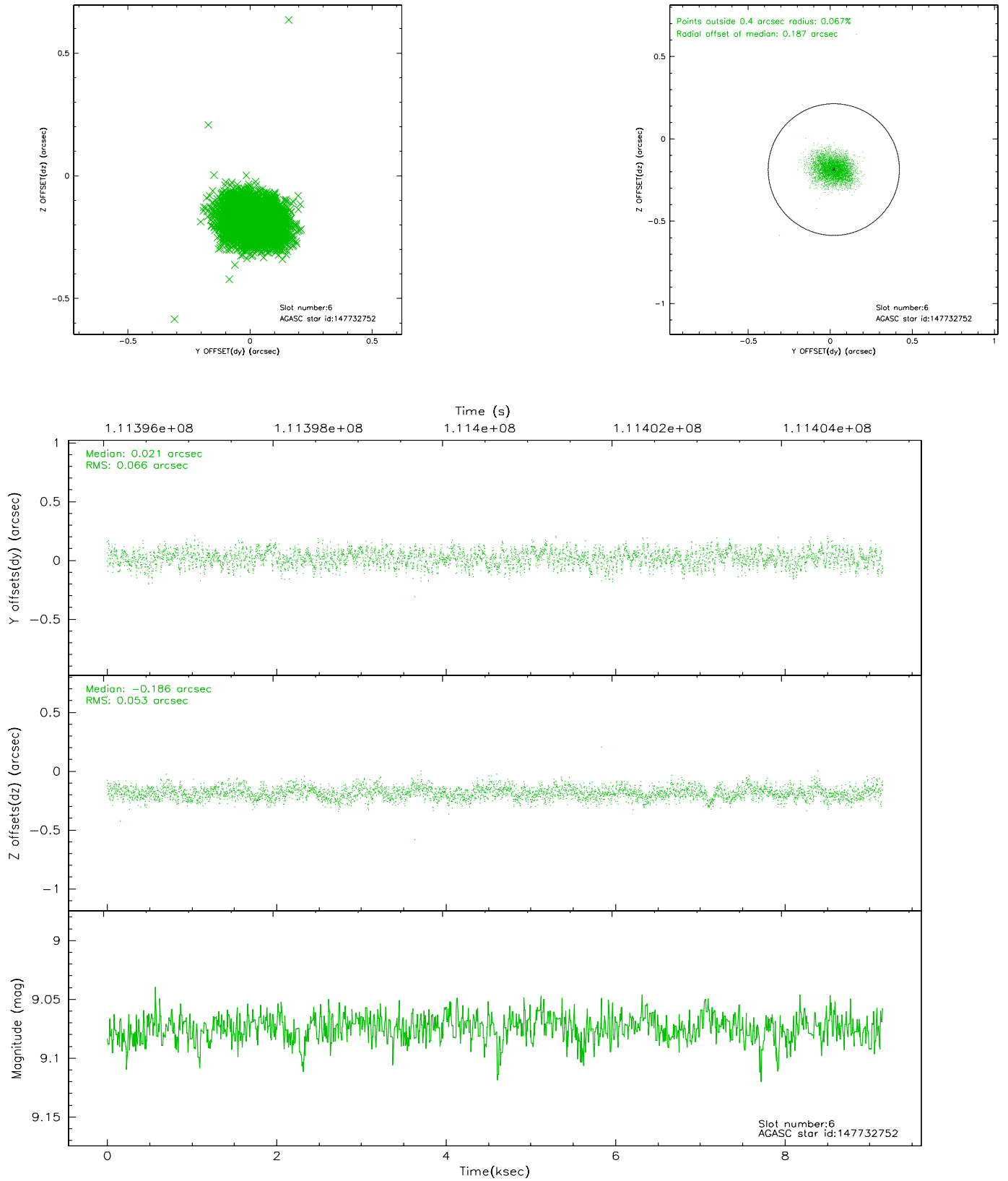
2.4.2 Slot 4



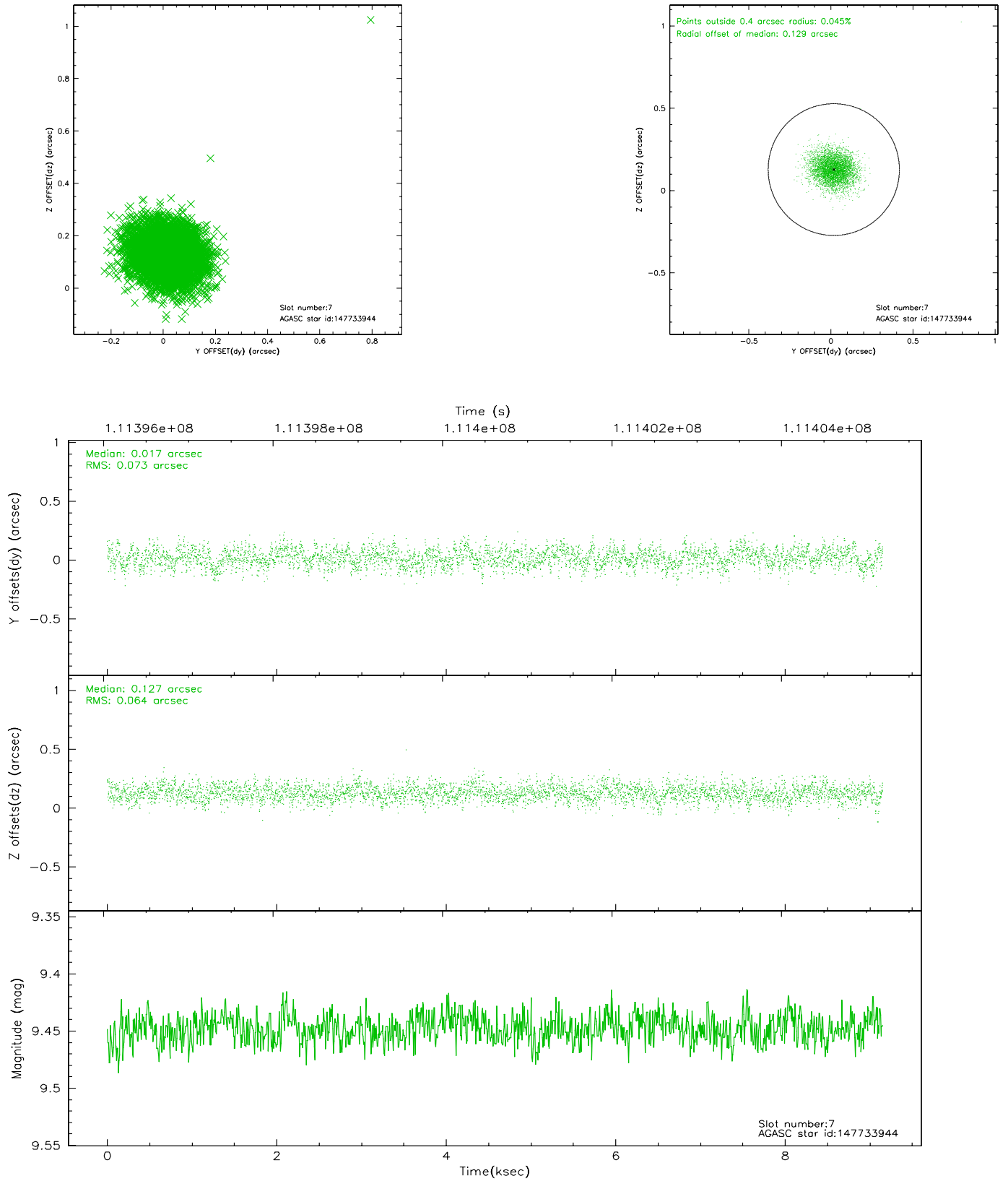
2.4.3 Slot 5



2.4.4 Slot 6

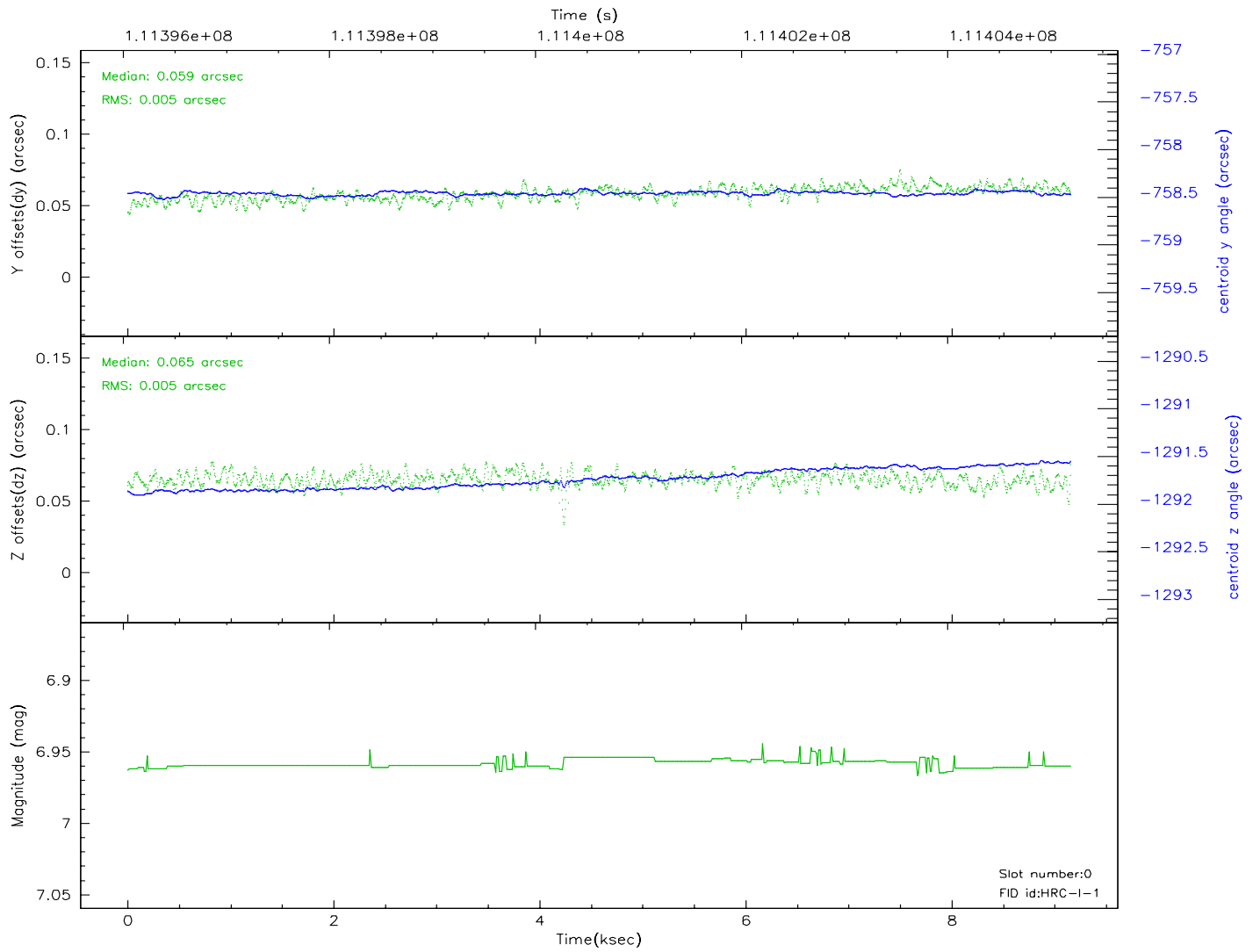
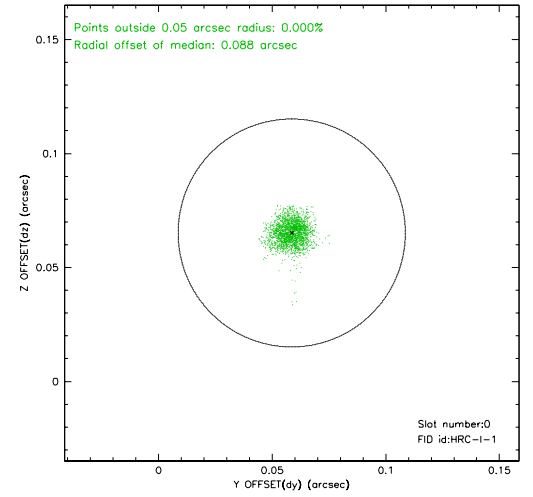
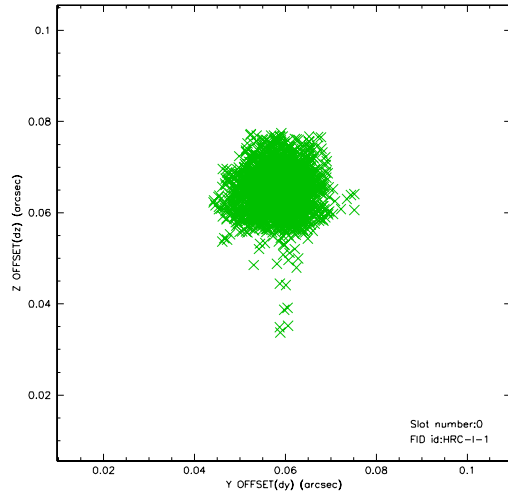


2.4.5 Slot 7

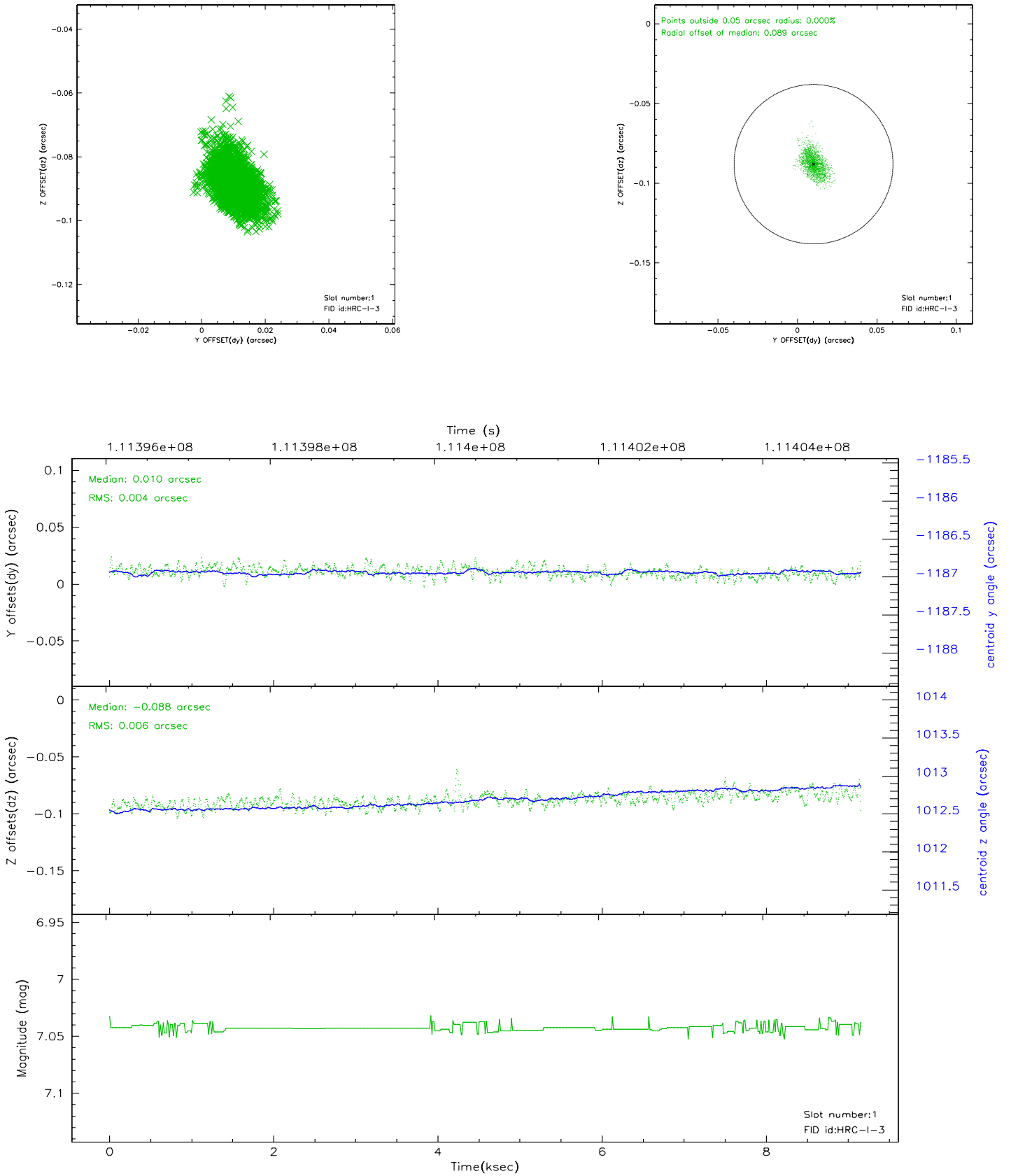


2.5 FID Slots

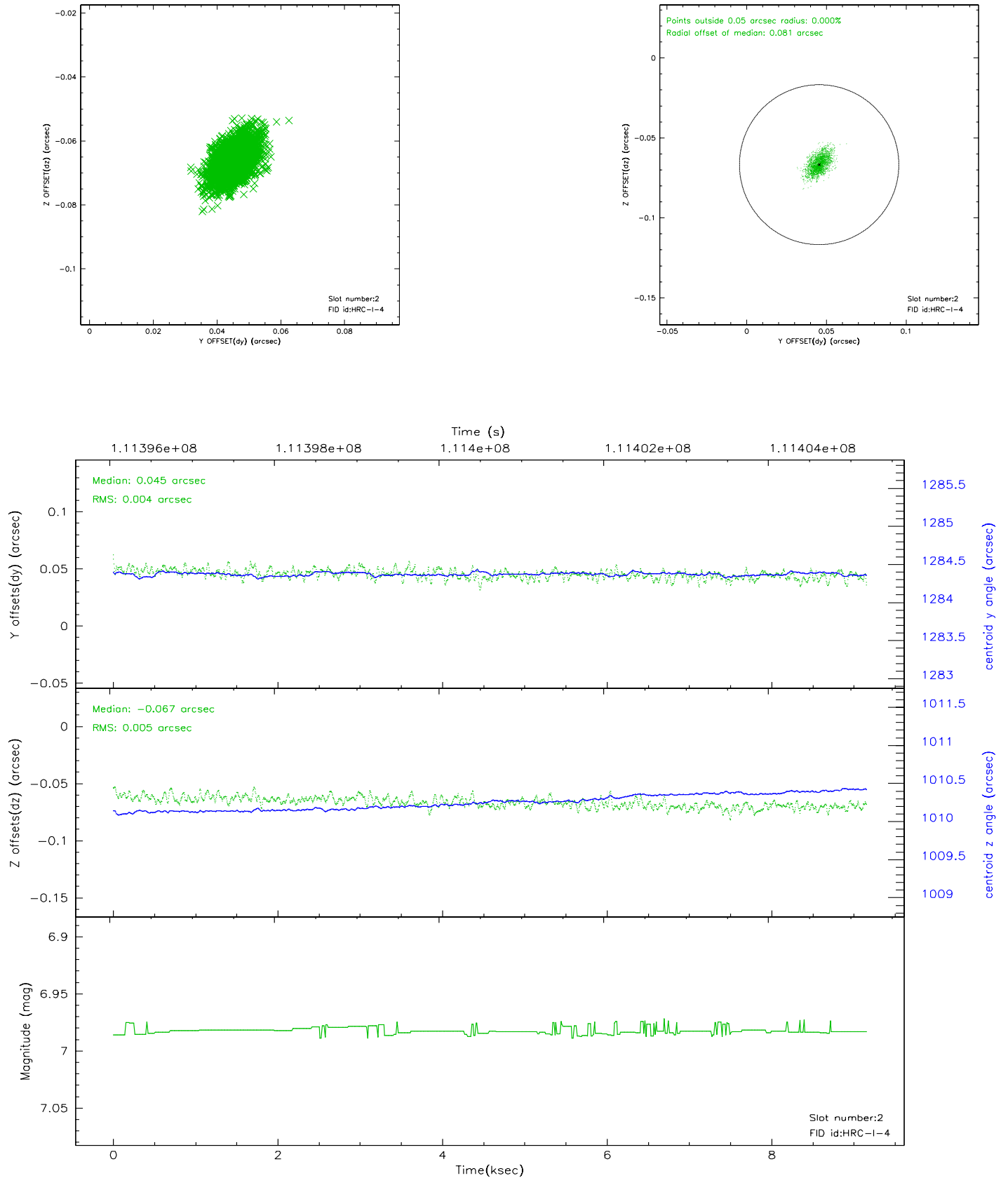
2.5.1 Slot 0



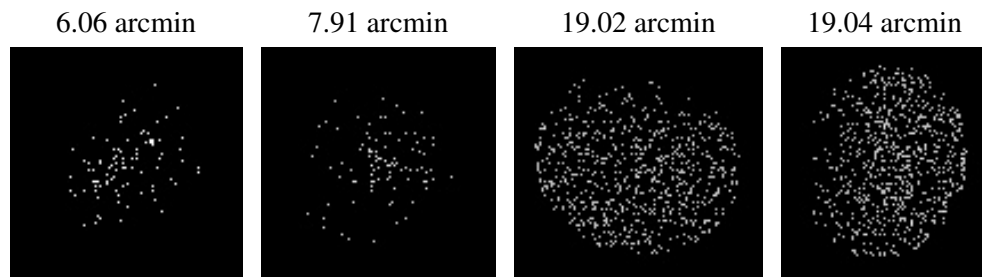
2.5.2 Slot 1



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	9.1

A.2 Comments

Double source at aim point. Phase constraint met for first 4ksec of the observation but violated for the remainder of the obsid.

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.