

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2622 - L2 Version 3
Chandra X-Ray Center

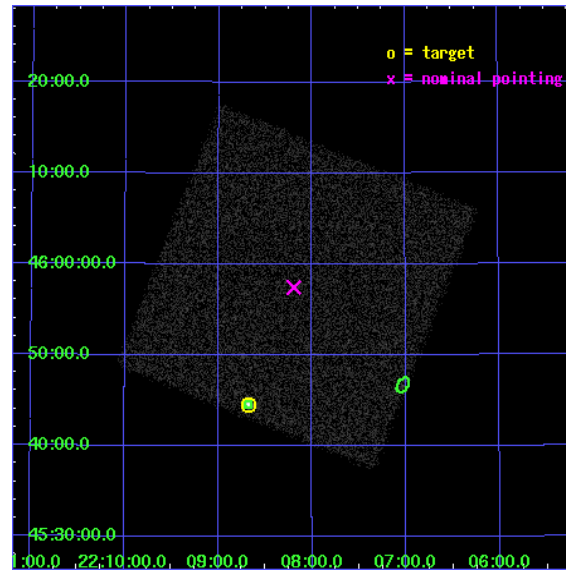
L2 Processing Date : Nov 21 2007

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1 Front

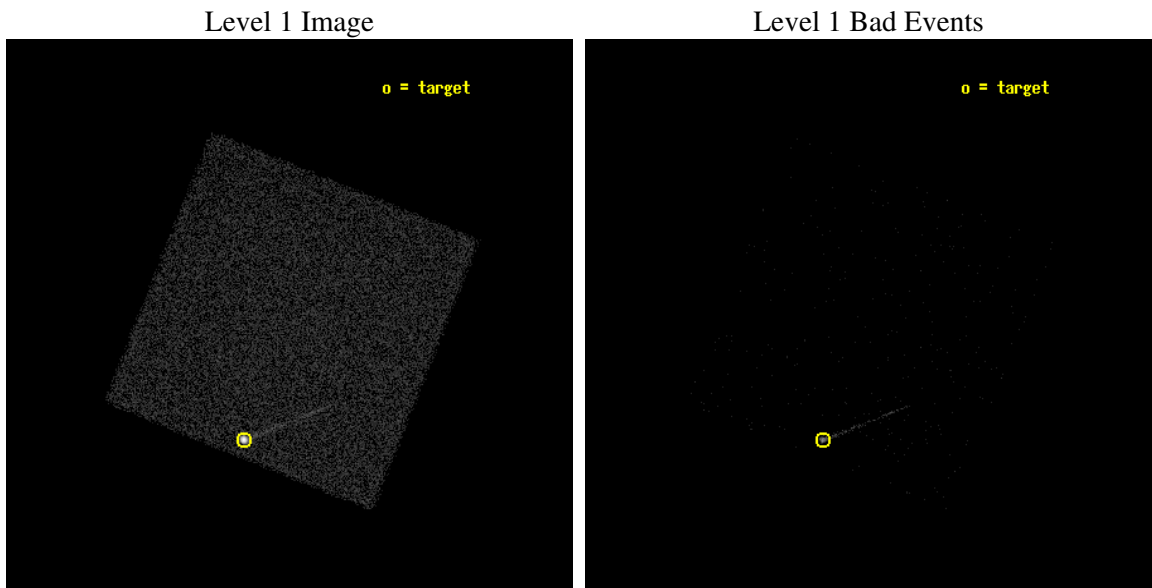
seq_num	290178
obs_id	2622
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.04847781324
dec_nom	45.957589377061
roll_nom	336.81759793094
revision	3
ontime	1200.5312983543
livetime	1193.9357724706
l2events	36277



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T18:22:47
revision	3

sched_exp_time	1000.000000
ontime	1200.5312983543
l1events	66076

2.1.3 Events

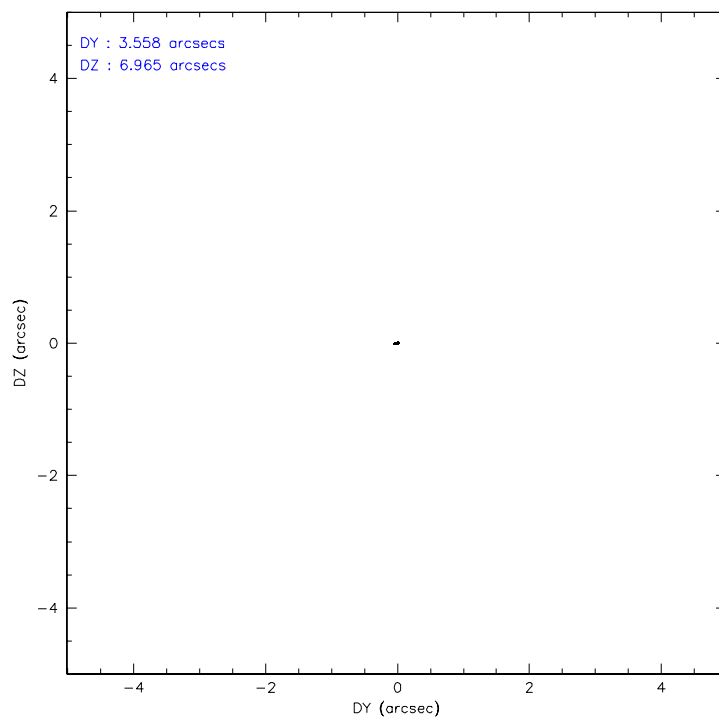
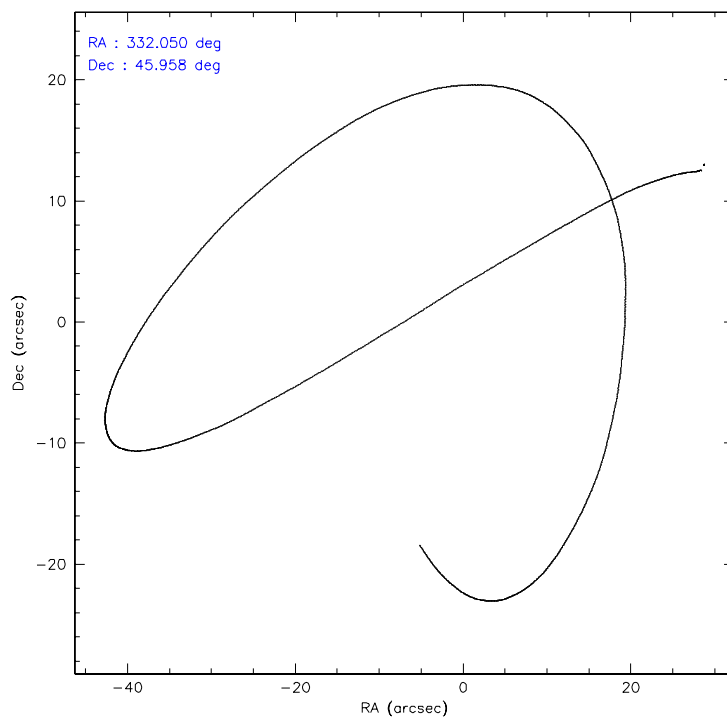
Level 1 Events

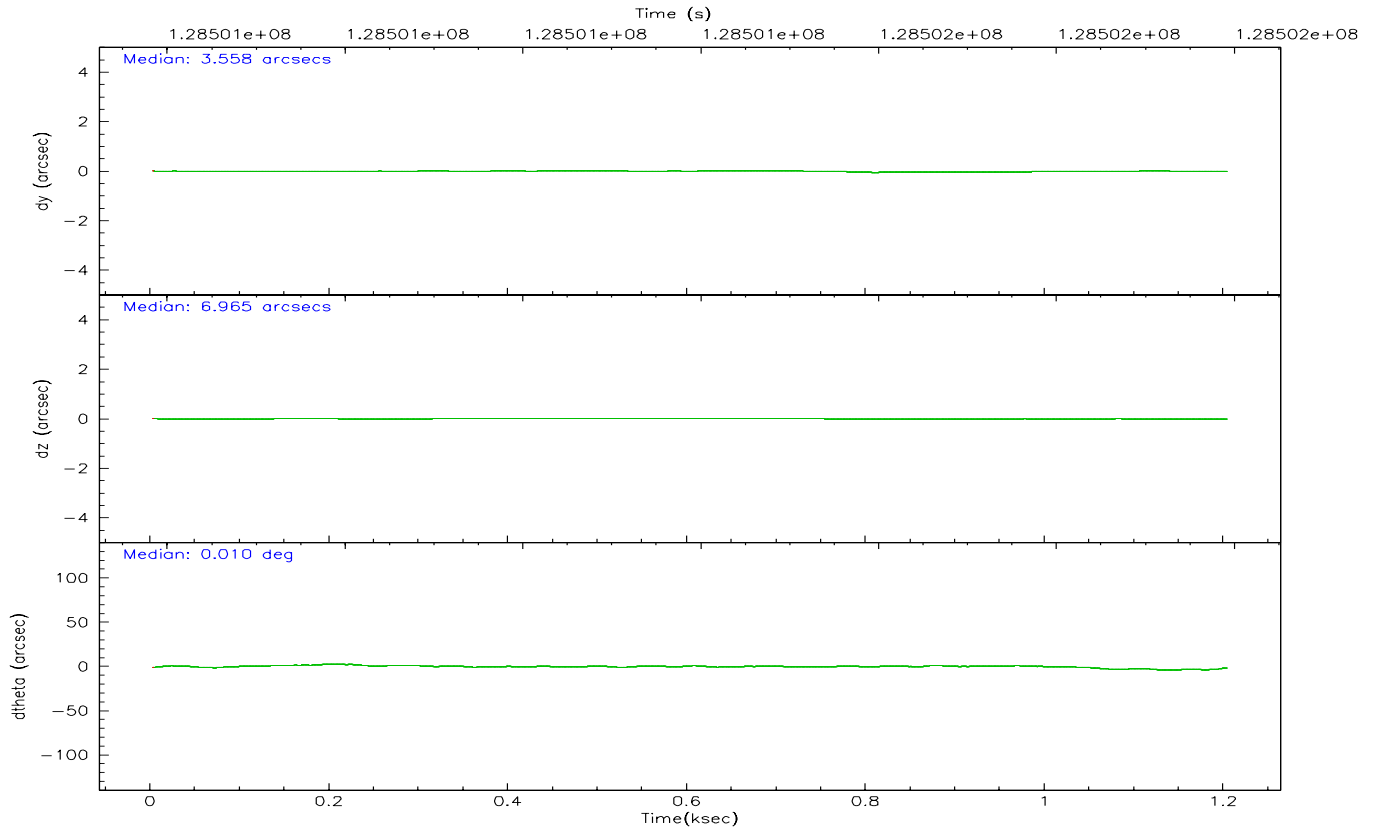
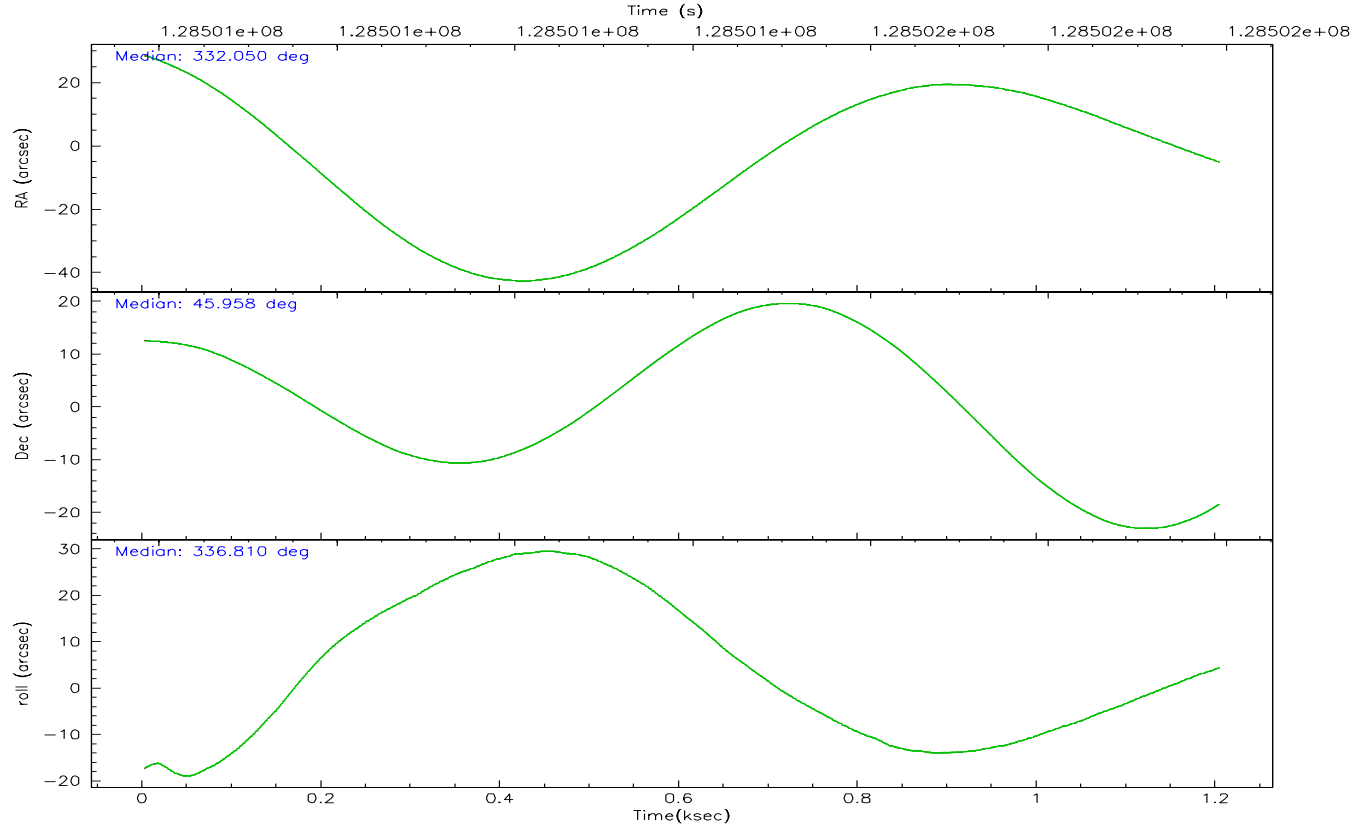
	segment 0
level 1 events	66076
rejected events	13660
rejected %	20%

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	332.009524	332.0484778132388			
Pointing Dec	45.954195	45.95758937706124			
Pointing Roll	336.941054	336.817597930941			
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	128500989.184000	128500613.29067			
Observation start date	2002-01-27T06:42:05	2002-01-27T06:36:53			
Observation end time	128501989.184000	128502123.62823			
Observation end date	2002-01-27T06:58:45	2002-01-27T07:02:03			

2.3 Aspect



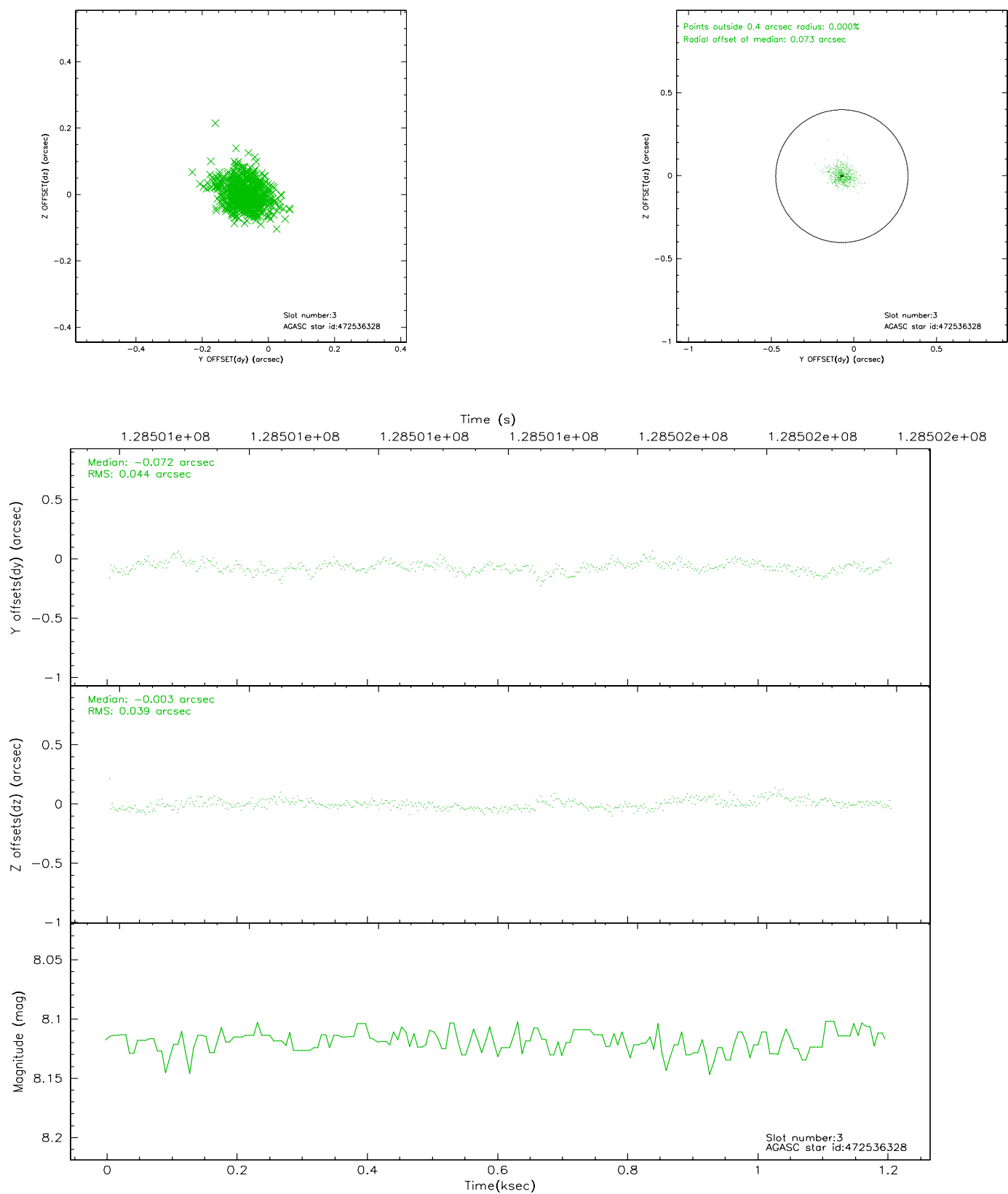


Slot Statistics

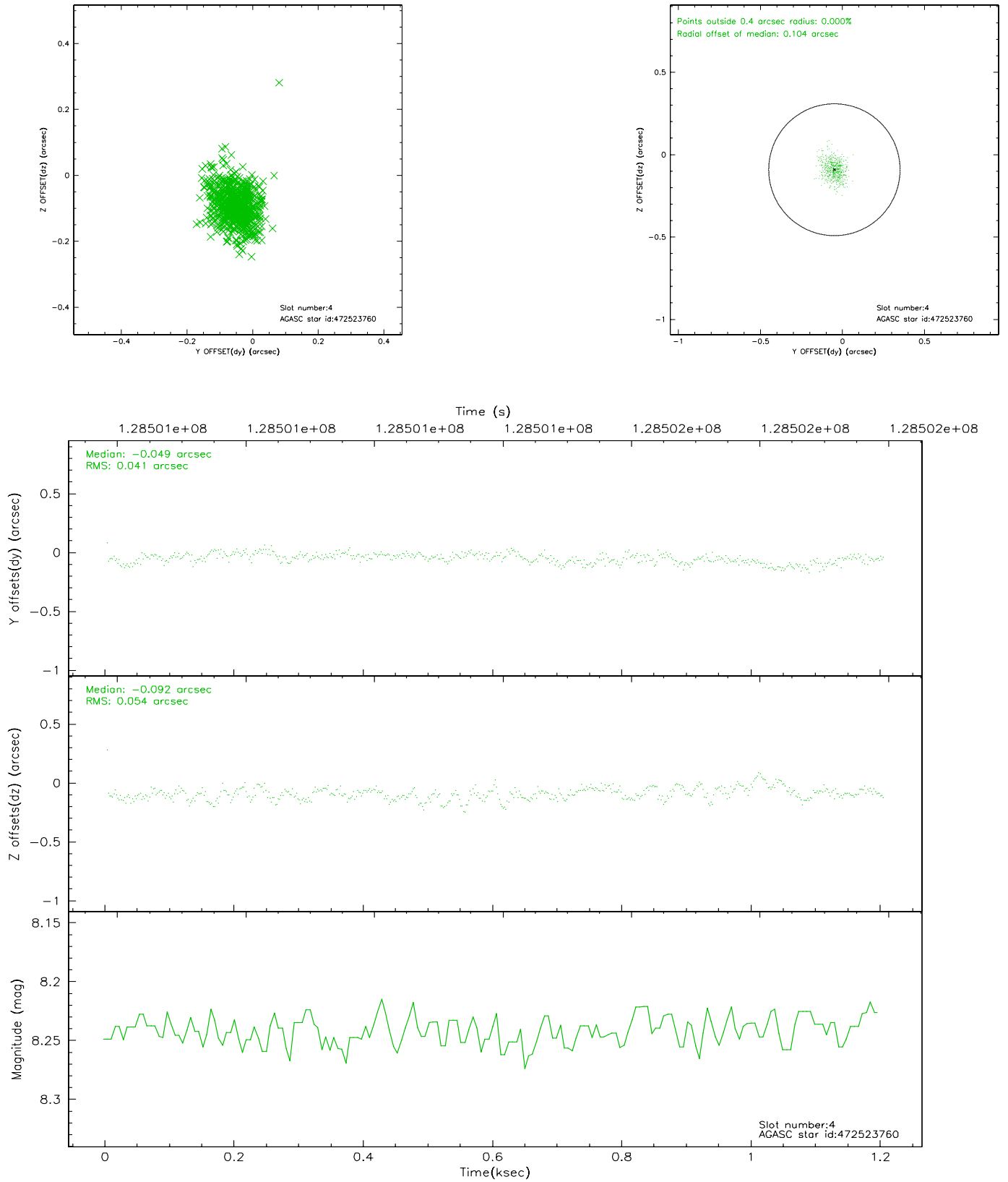
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	294	0.041	0.026	0.007	0.011	0.000000	0.000000	-759.03	-1294.82
1	FID	HRC-I-2	7.00	294	0.091	-0.025	0.010	0.027	0.000000	0.000000	851.07	-1300.88
2	FID	HRC-I-4	6.99	294	-0.015	-0.094	0.007	0.028	0.000000	0.000000	1286.65	1002.77
3	GUIDE	472536328	8.12	587	-0.072	-0.003	0.061	0.104	331.496671	46.454831	-1879.18	1164.30
4	GUIDE	472523760	8.24	587	-0.049	-0.092	0.069	0.119	331.645363	45.403260	-75.02	-2181.02
5	GUIDE	472537064	8.93	587	-0.042	0.070	0.082	0.146	331.323423	46.483499	-2315.48	1090.61
6	GUIDE	472659832	9.46	584	0.075	0.054	0.100	0.156	332.780399	46.098139	1558.93	1241.93
7	GUIDE	472655704	9.48	586	0.083	-0.012	0.116	0.290	332.167195	45.285228	1312.52	-2056.28

2.4 Star Slots

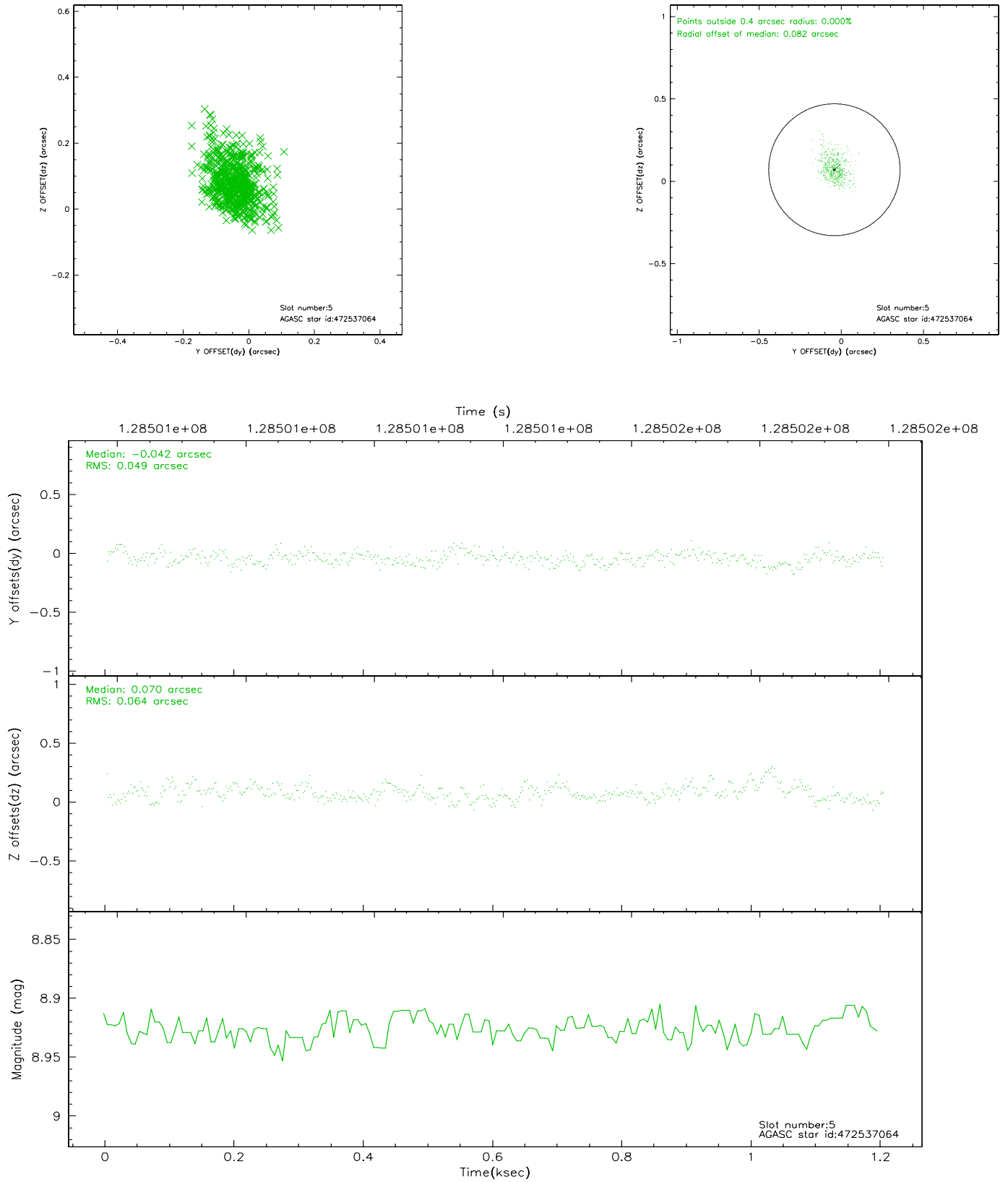
2.4.1 Slot 3



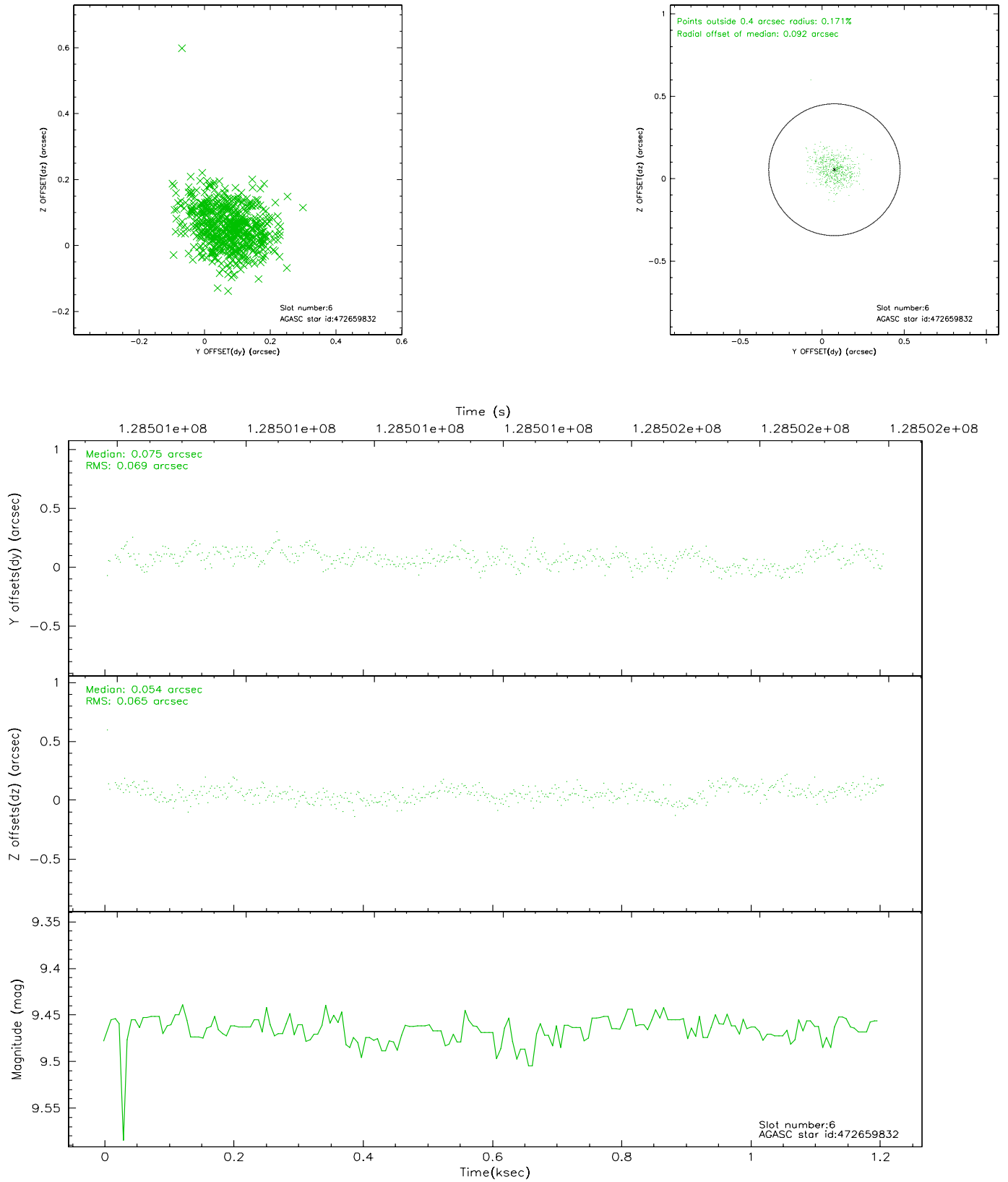
2.4.2 Slot 4



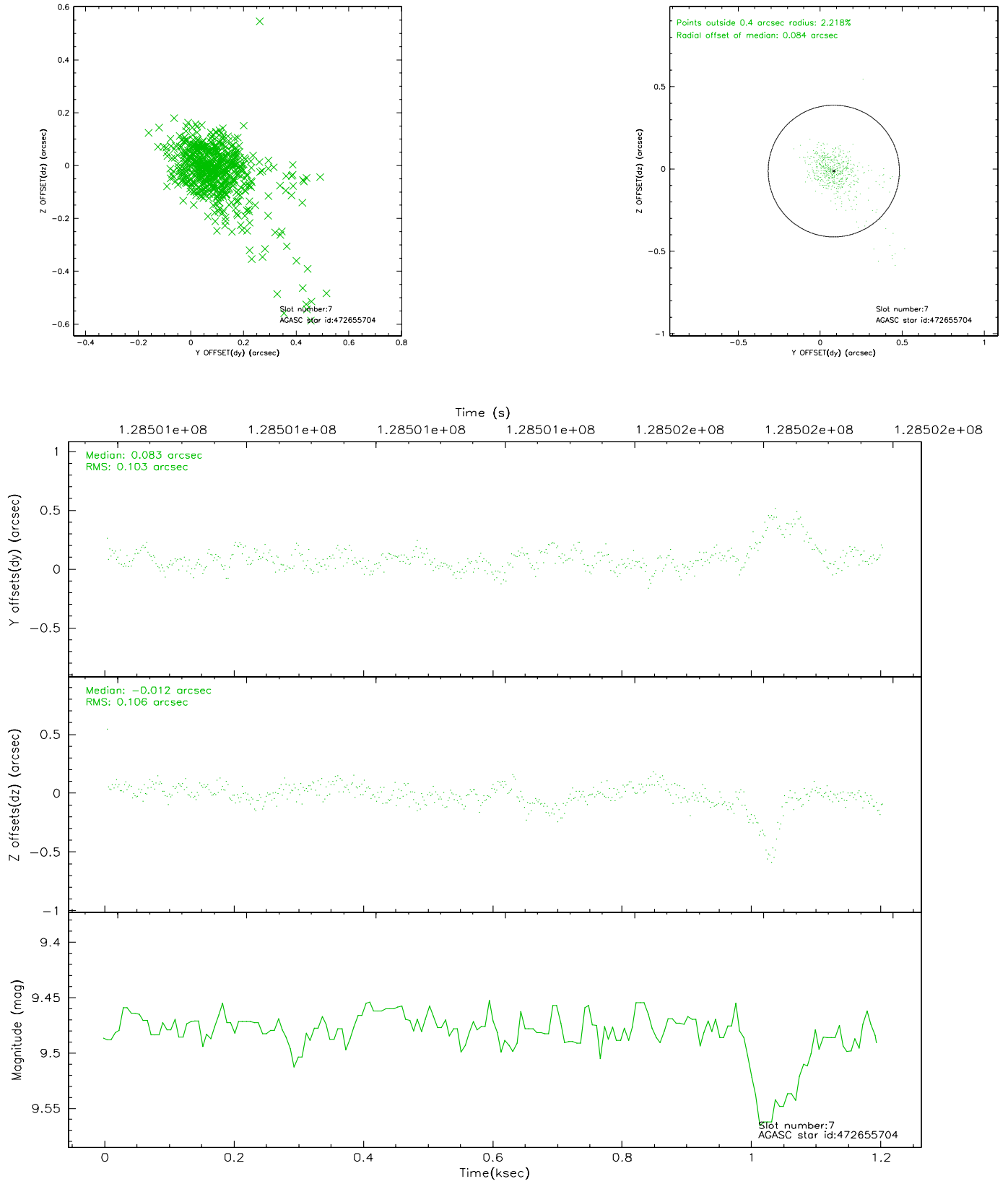
2.4.3 Slot 5



2.4.4 Slot 6

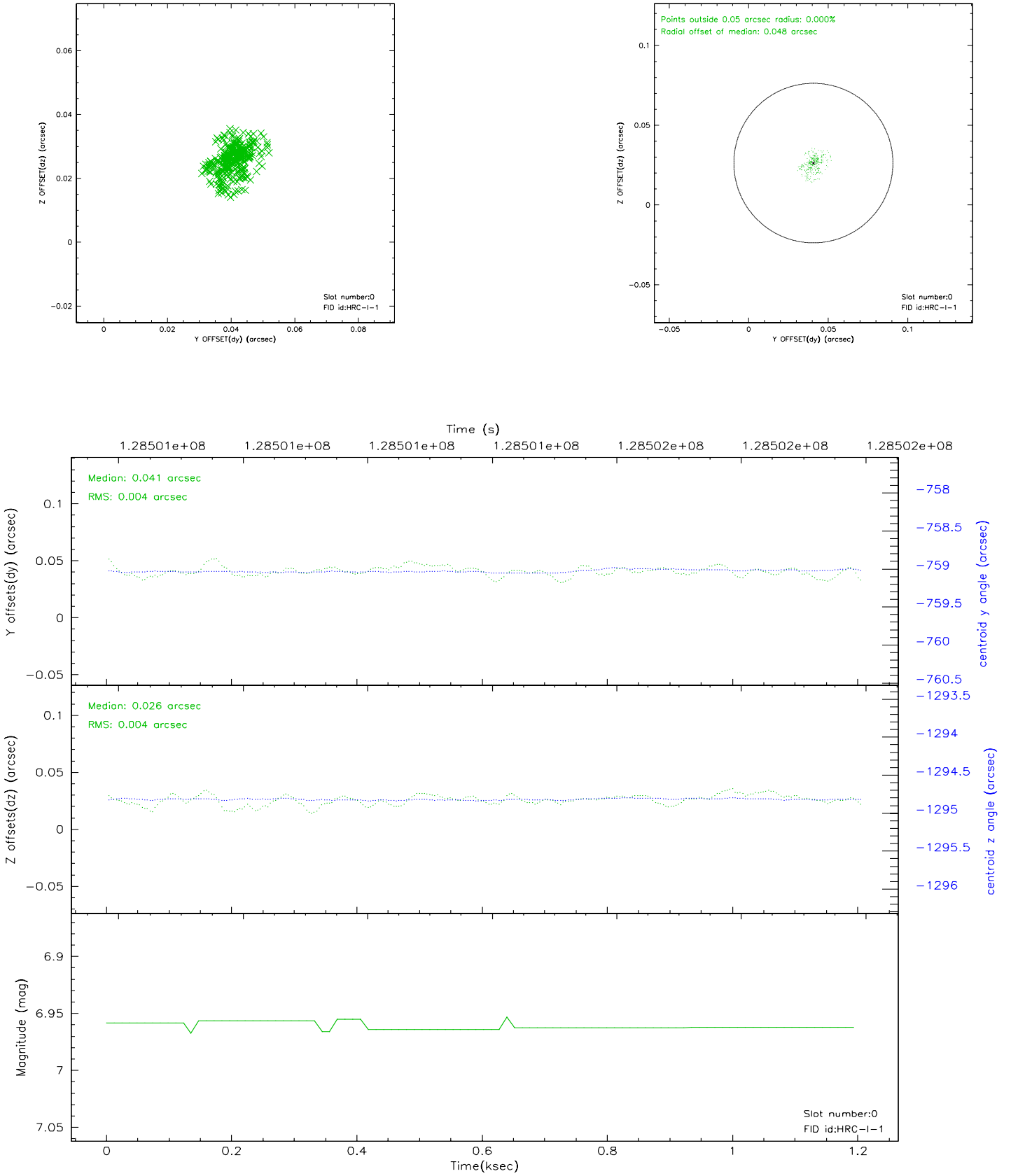


2.4.5 Slot 7

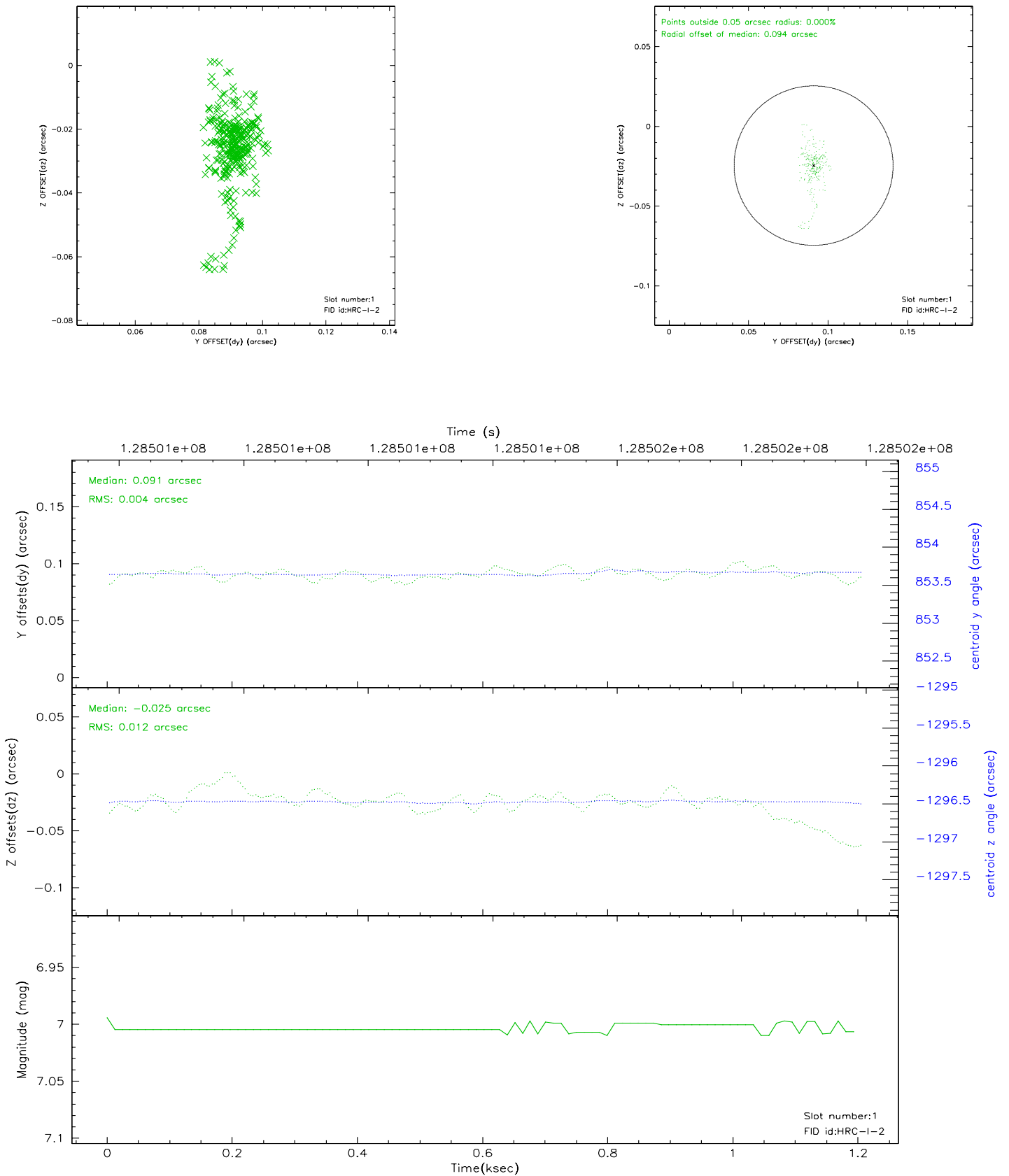


2.5 FID Slots

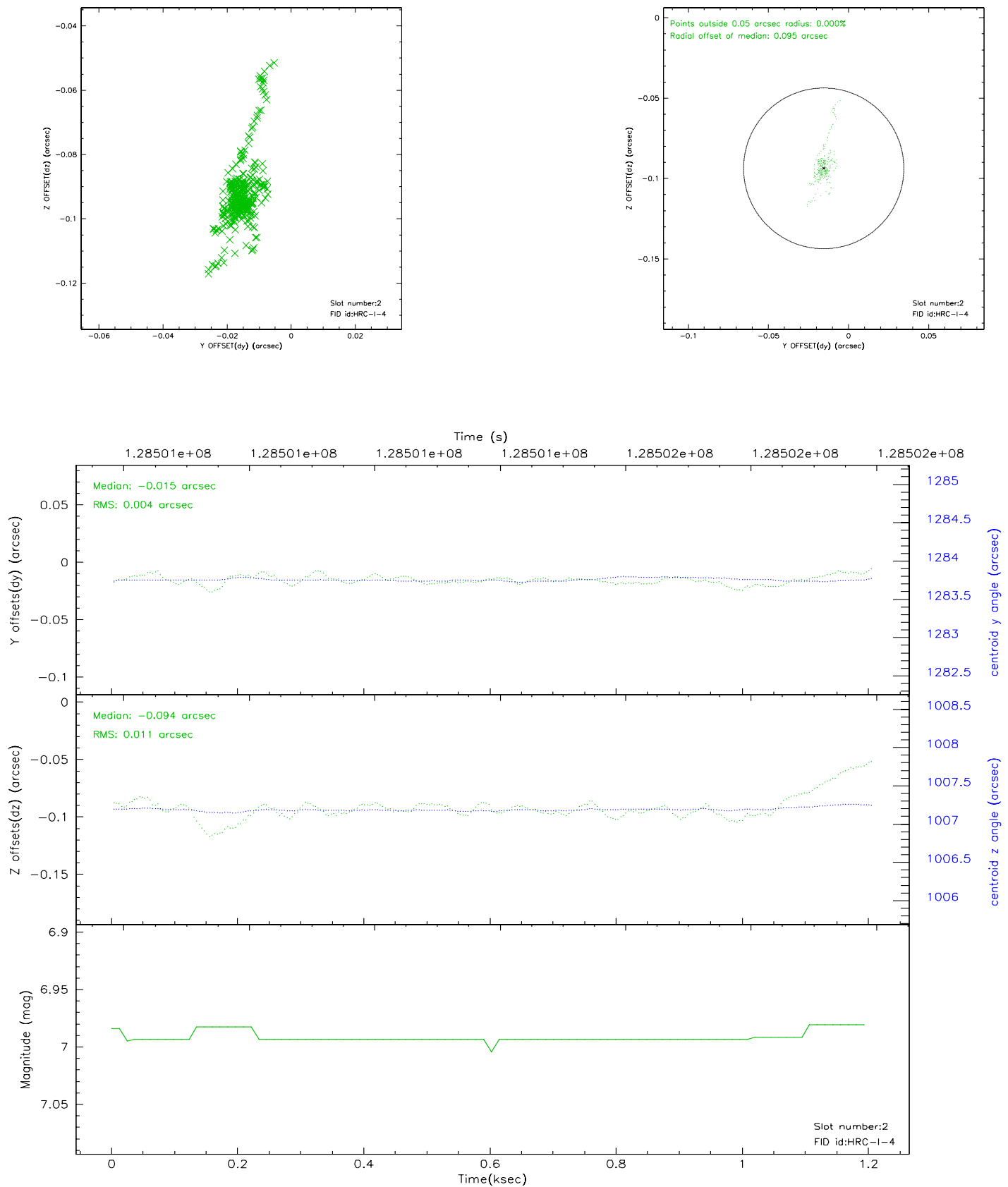
2.5.1 Slot 0



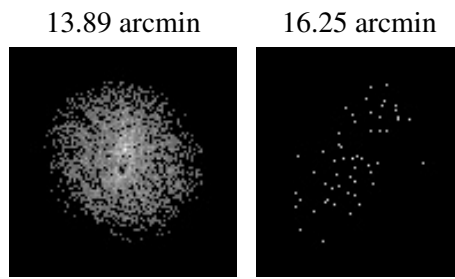
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.2

A.2 Comments

Monitor constraint met. Target is near the edge of the detector.

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.