

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2605 - L2 Version 3
Chandra X-Ray Center

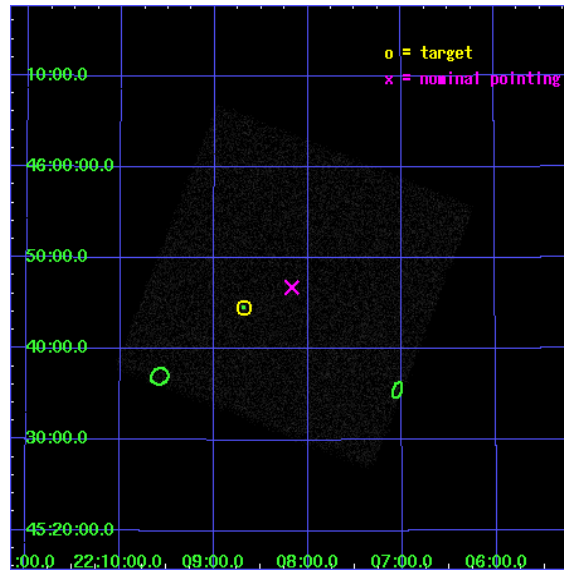
L2 Processing Date : Nov 20 2007

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

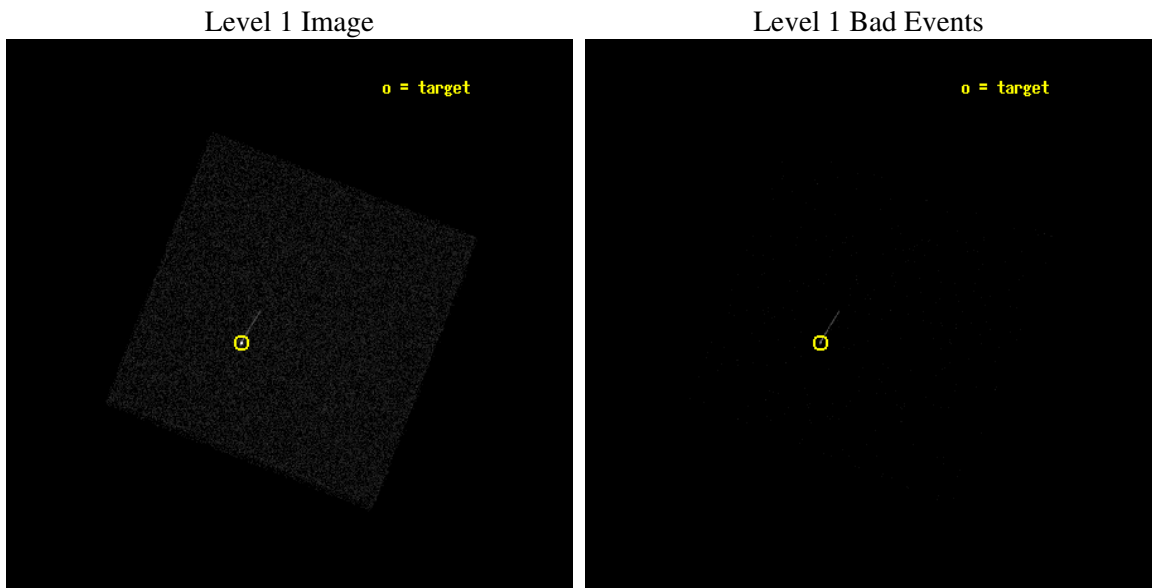
seq_num	290161
obs_id	2605
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.04256587318
dec_nom	45.780102610603
roll_nom	336.5127776946
revision	3
ontime	1194.3812981397
livetime	1187.803925962
l2events	36629



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	2007-11-20T22:34:40
revision	3

sched_exp_time	1000.000000
ontime	1194.3812981397
l1events	66795

2.1.3 Events

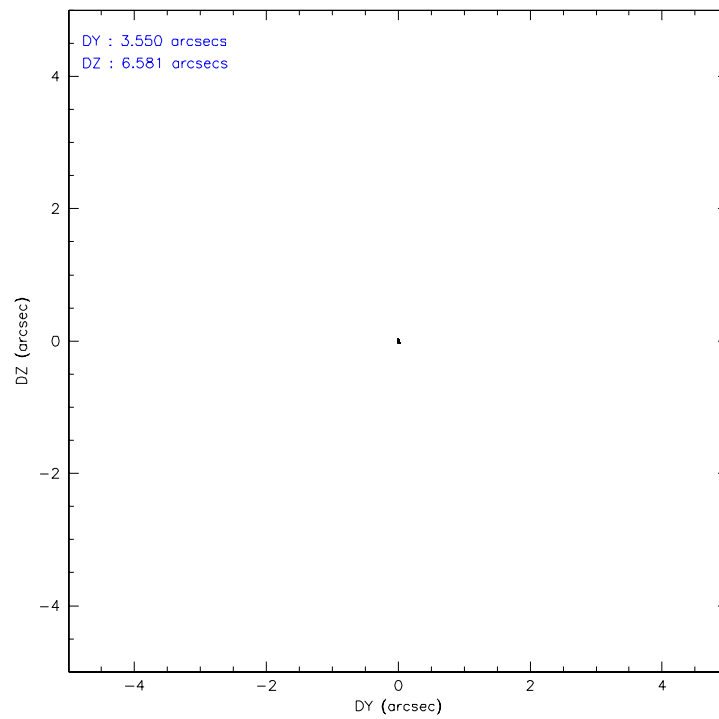
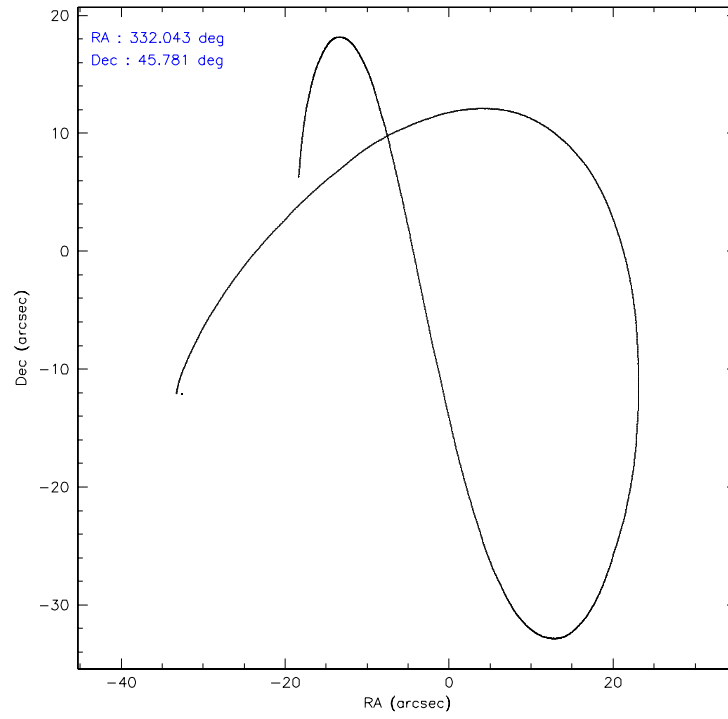
Level 1 Events

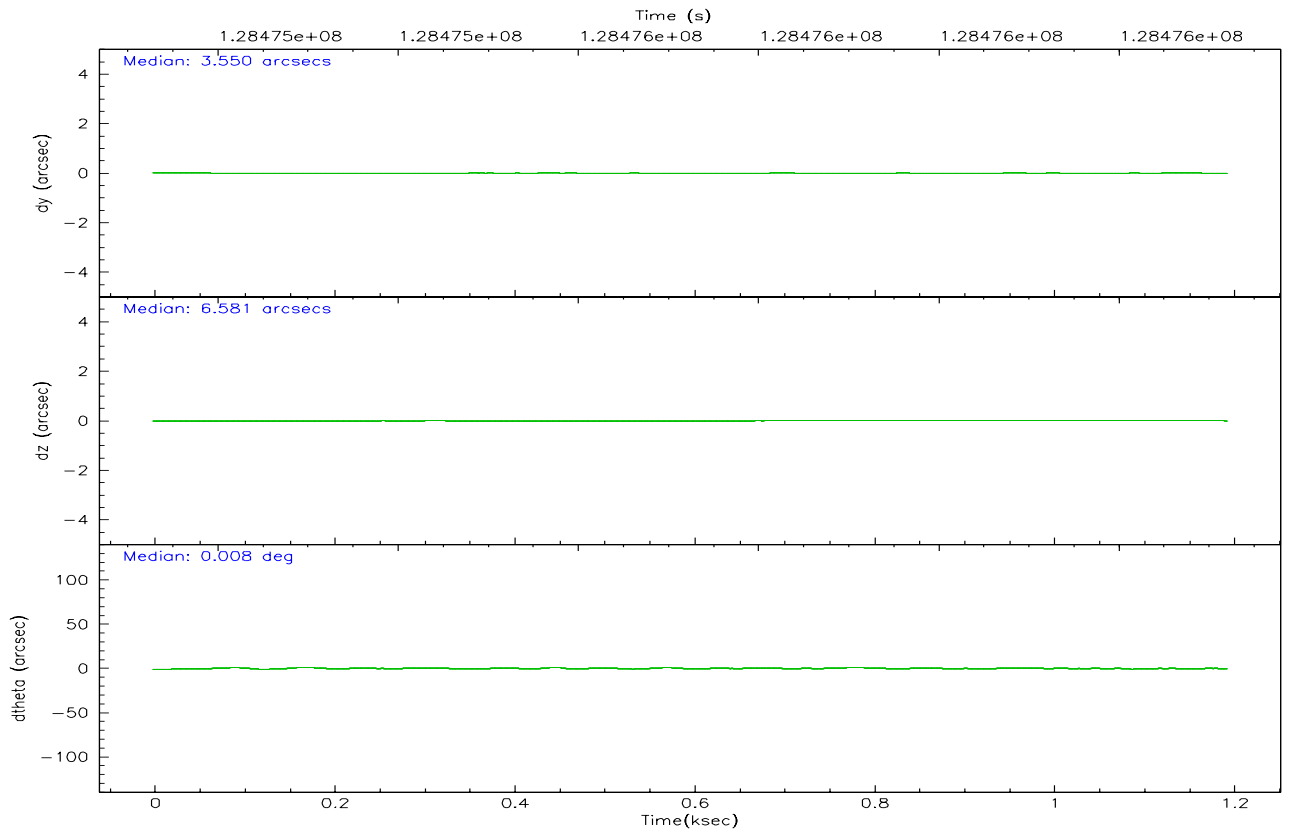
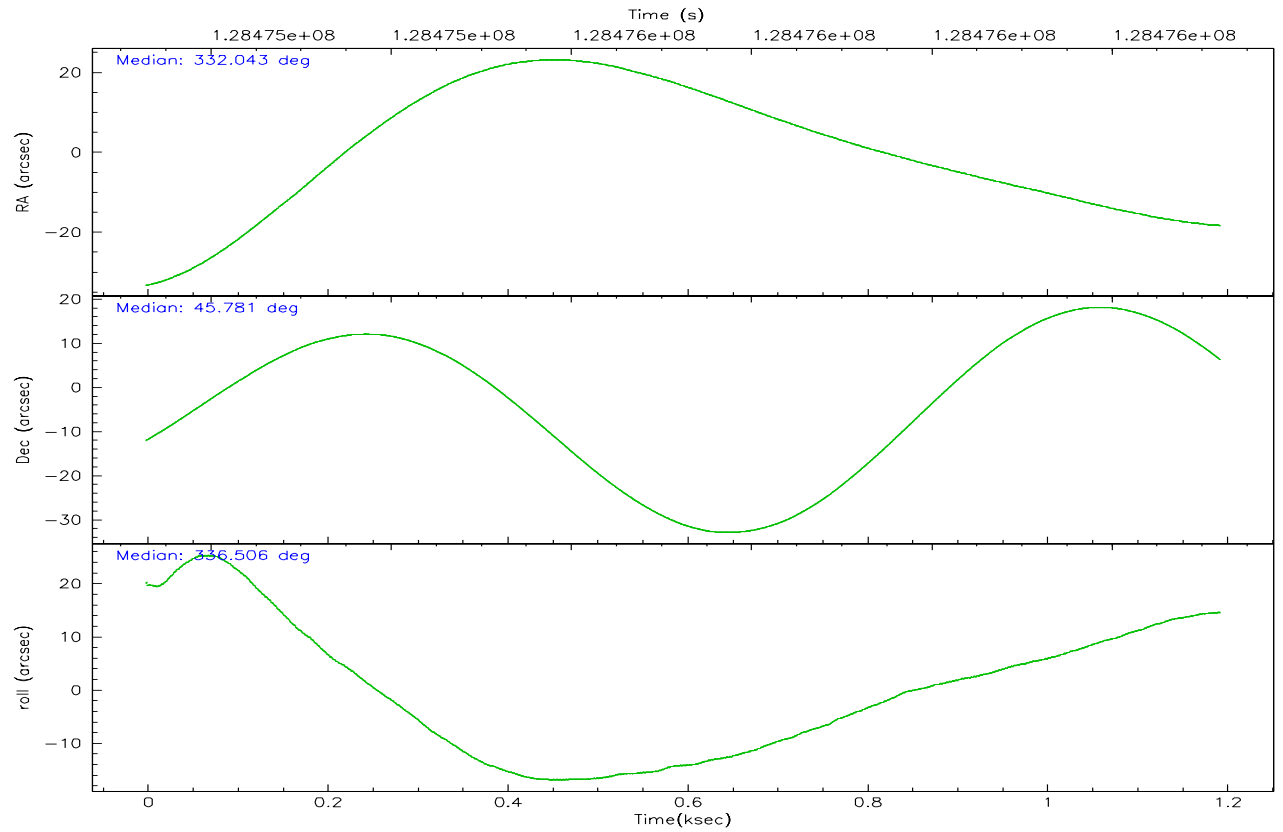
	segment 0
level 1 events	66795
rejected events	13909
rejected %	20%

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	332.004126	332.0425658731801			
Pointing Dec	45.775370	45.7801026106032			
Pointing Roll	336.635885	336.512777694598			
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	128475319.184000	128474943.70214			
Observation start date	2002-01-26T23:34:15	2002-01-26T23:29:03			
Observation end time	128476319.184000	128476453.5272			
Observation end date	2002-01-26T23:50:55	2002-01-26T23:54:13			

2.3 Aspect



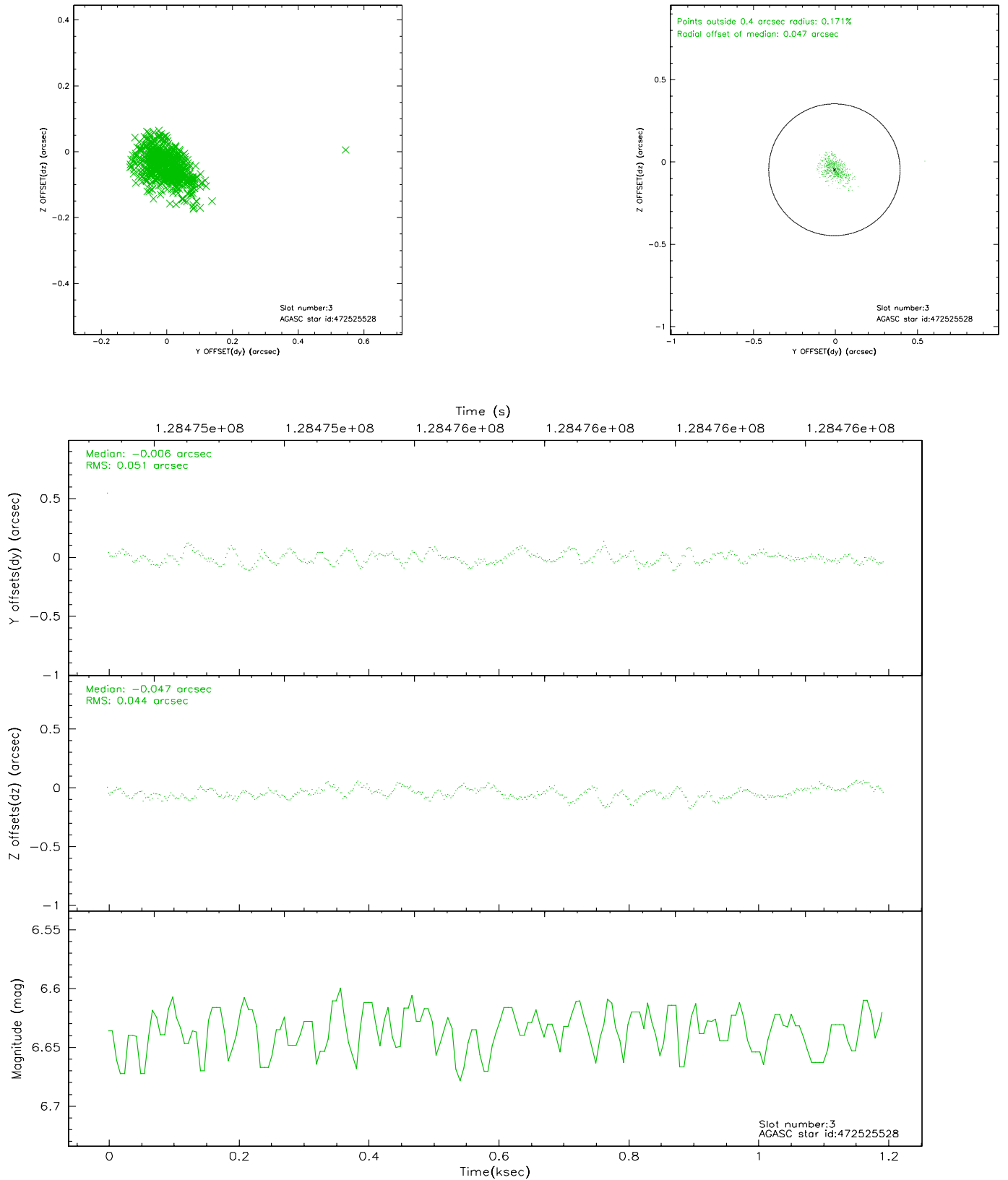


Slot Statistics

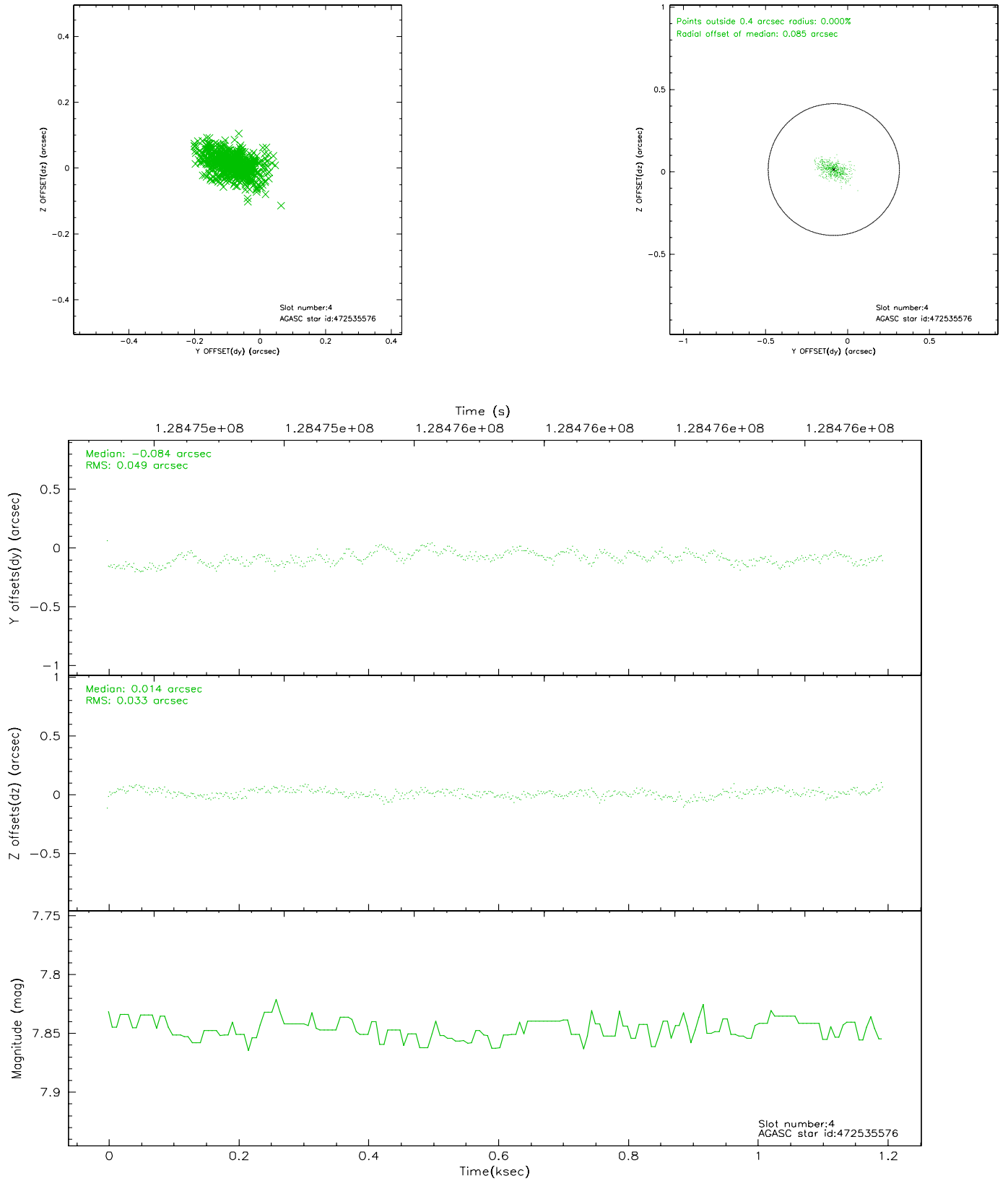
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	292	0.022	0.025	0.007	0.011	0.000000	0.000000	-758.99	-1294.45
1	FID	HRC-I-2	7.00	292	0.071	-0.057	0.005	0.008	0.000000	0.000000	851.09	-1300.51
2	FID	HRC-I-3	7.04	292	0.027	-0.058	0.004	0.008	0.000000	0.000000	-1184.60	1005.57
3	GUIDE	472525528	6.63	584	-0.006	-0.047	0.067	0.111	331.551102	45.248694	-301.71	-2196.91
4	GUIDE	472535576	7.85	584	-0.084	0.014	0.062	0.108	331.438373	46.291802	-2030.51	1145.33
5	GUIDE	472536328	8.12	584	-0.062	0.058	0.064	0.104	331.496671	46.454831	-2129.34	1747.98
6	GUIDE	472659832	9.46	584	0.085	0.034	0.104	0.168	332.780399	46.098139	1312.10	1843.14
7	GUIDE	472654568	9.44	583	0.066	-0.062	0.090	0.154	332.194449	45.063576	1464.32	-2160.54

2.4 Star Slots

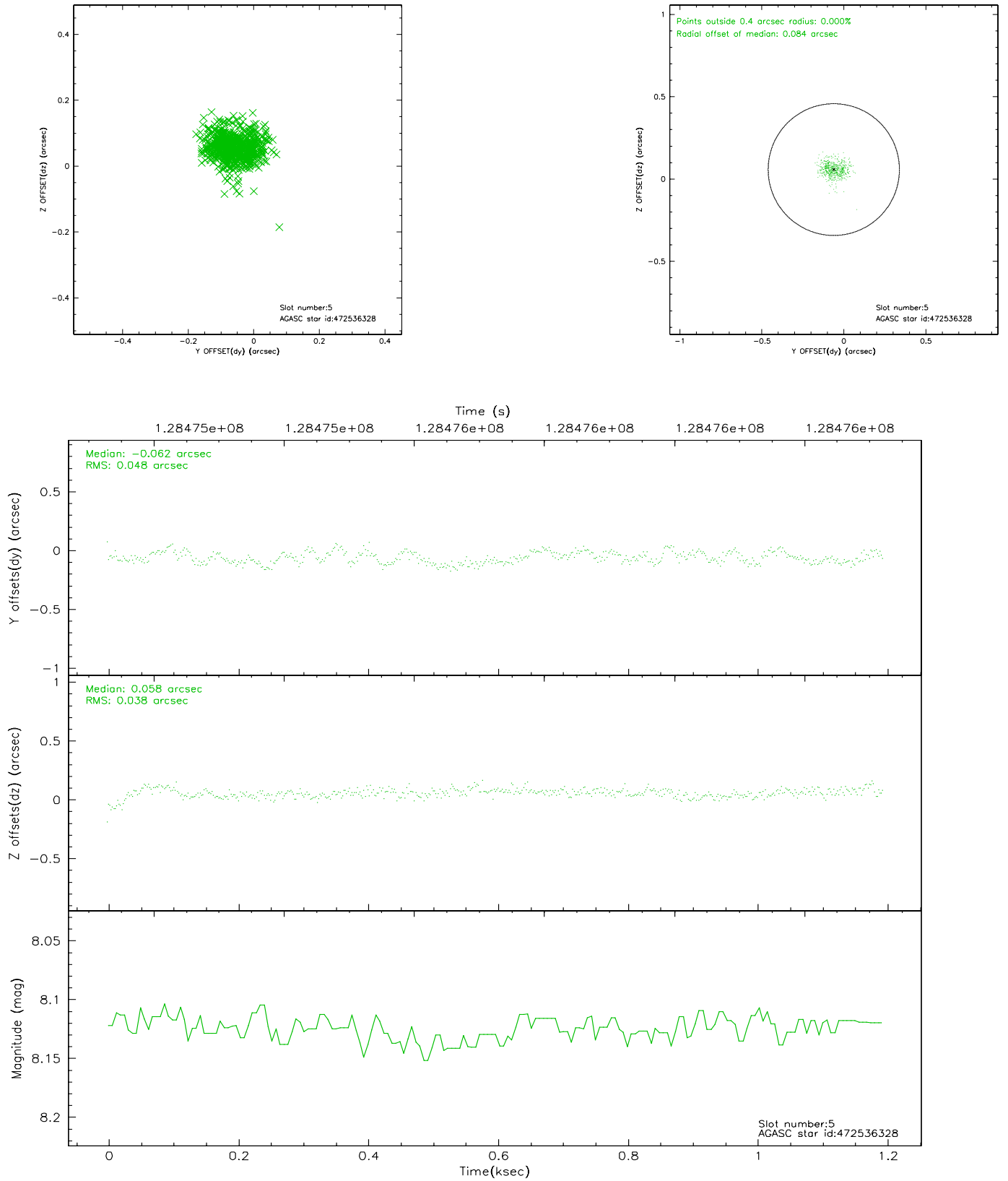
2.4.1 Slot 3



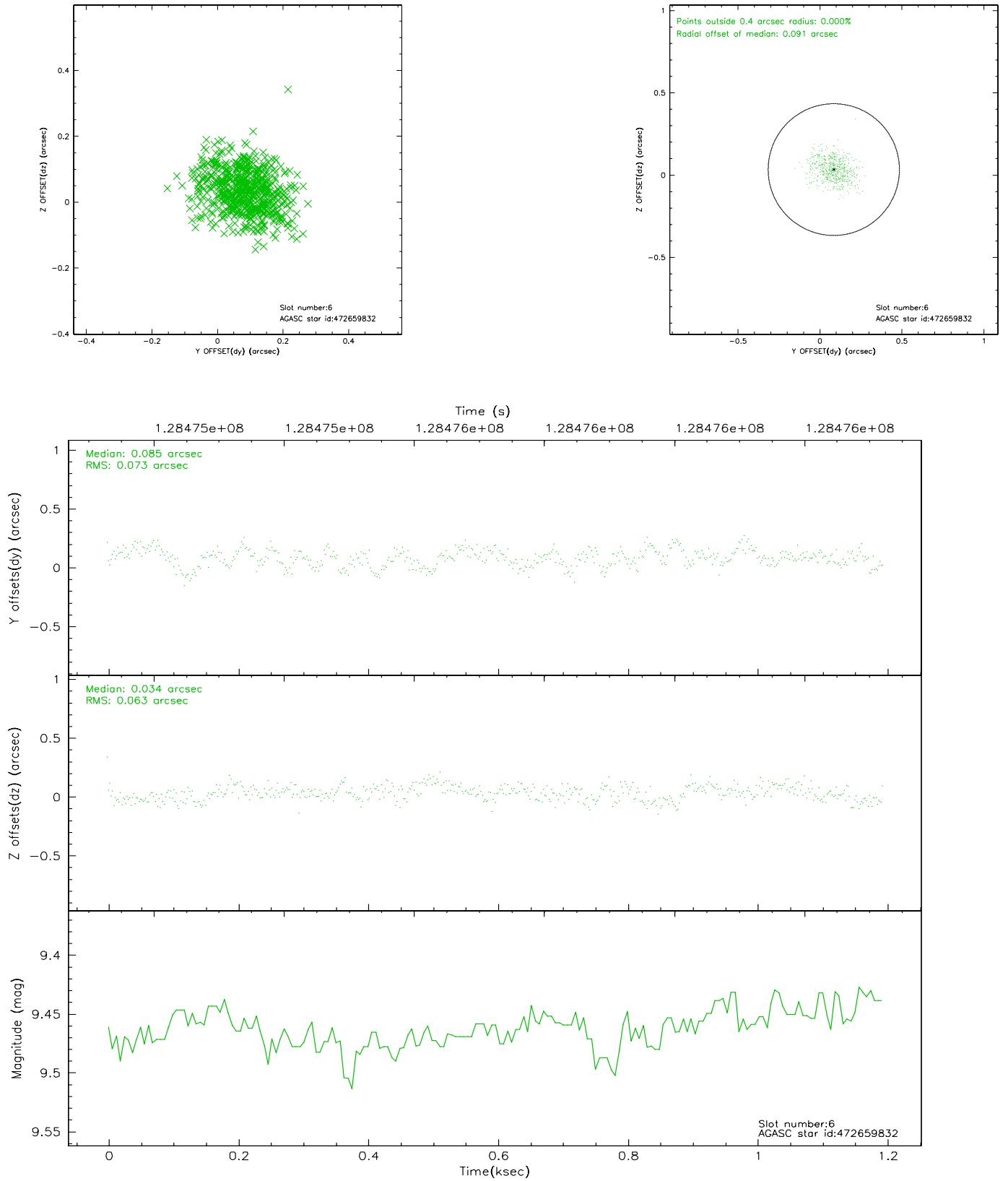
2.4.2 Slot 4



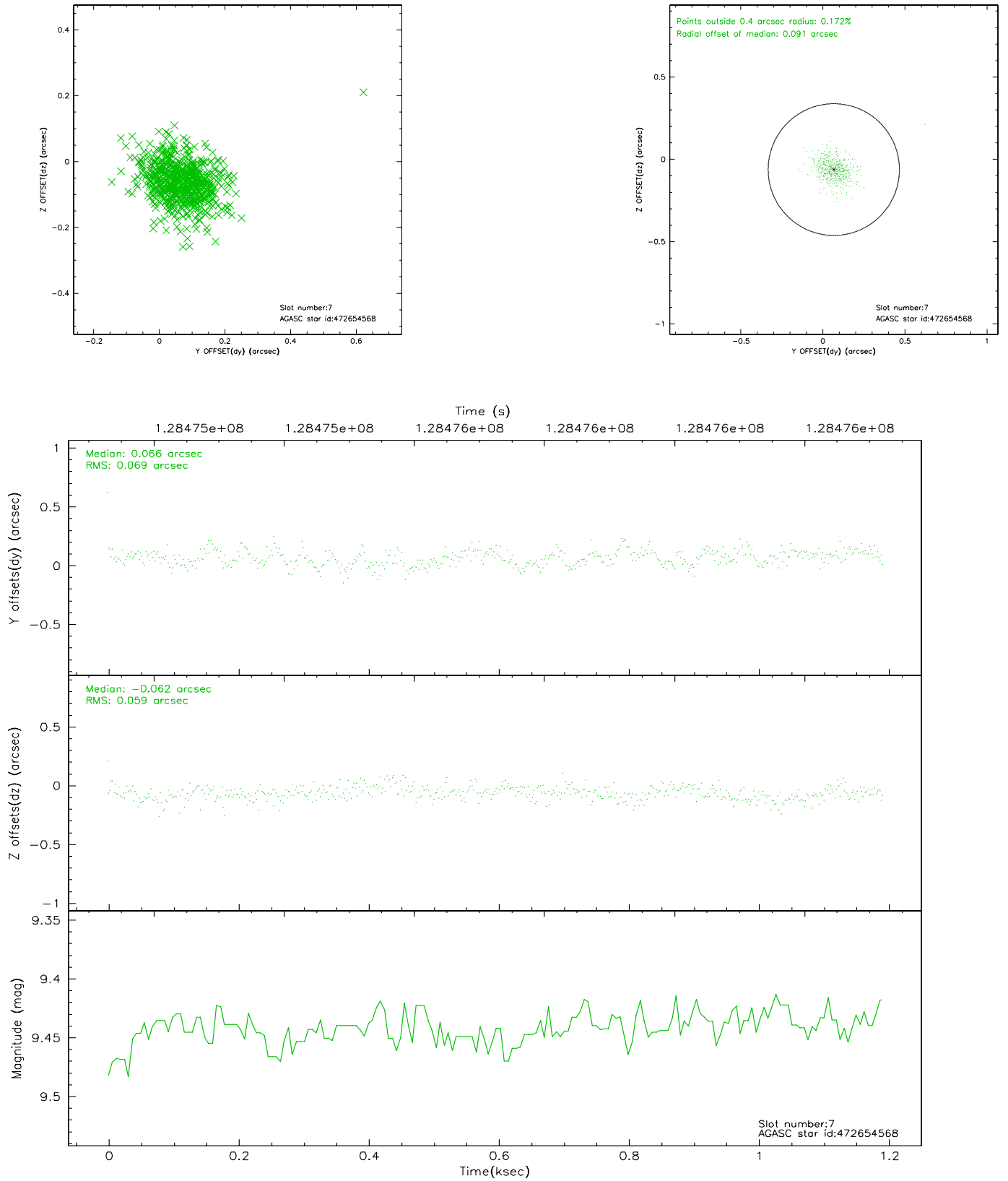
2.4.3 Slot 5



2.4.4 Slot 6

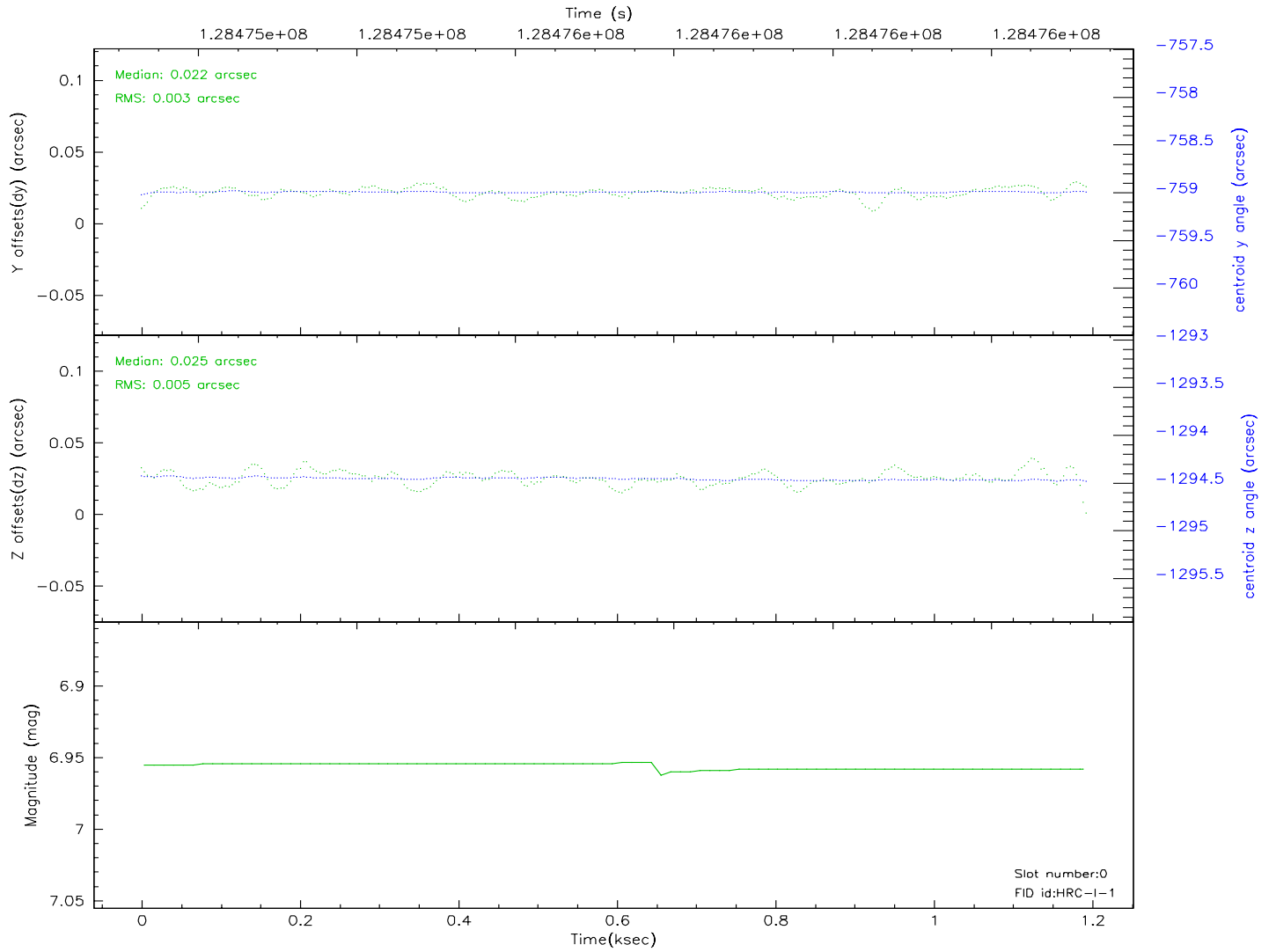
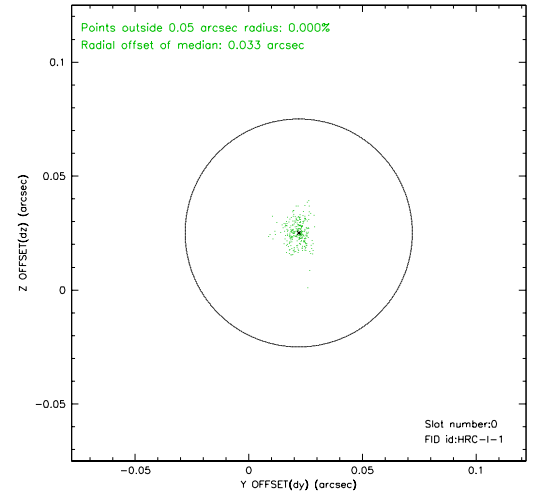
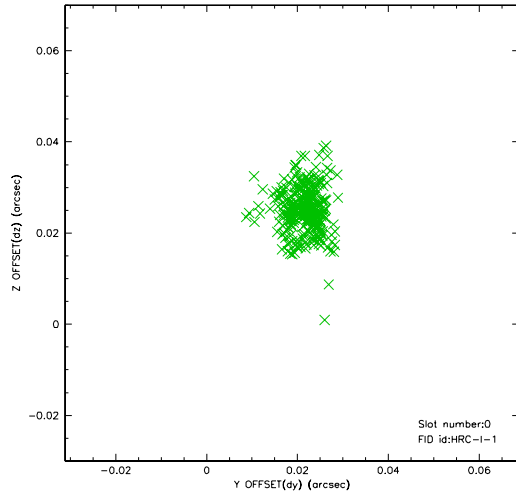


2.4.5 Slot 7

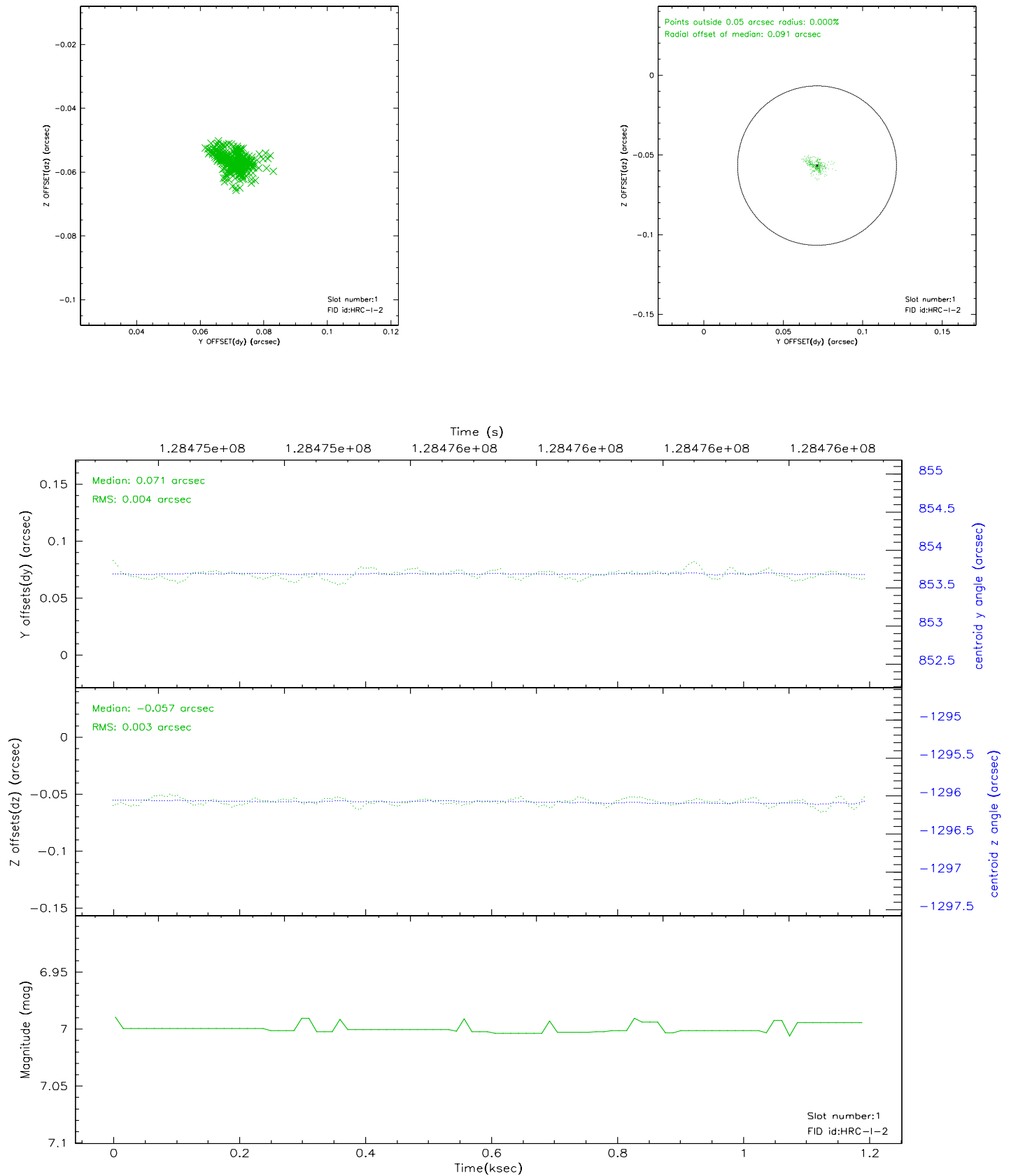


2.5 FID Slots

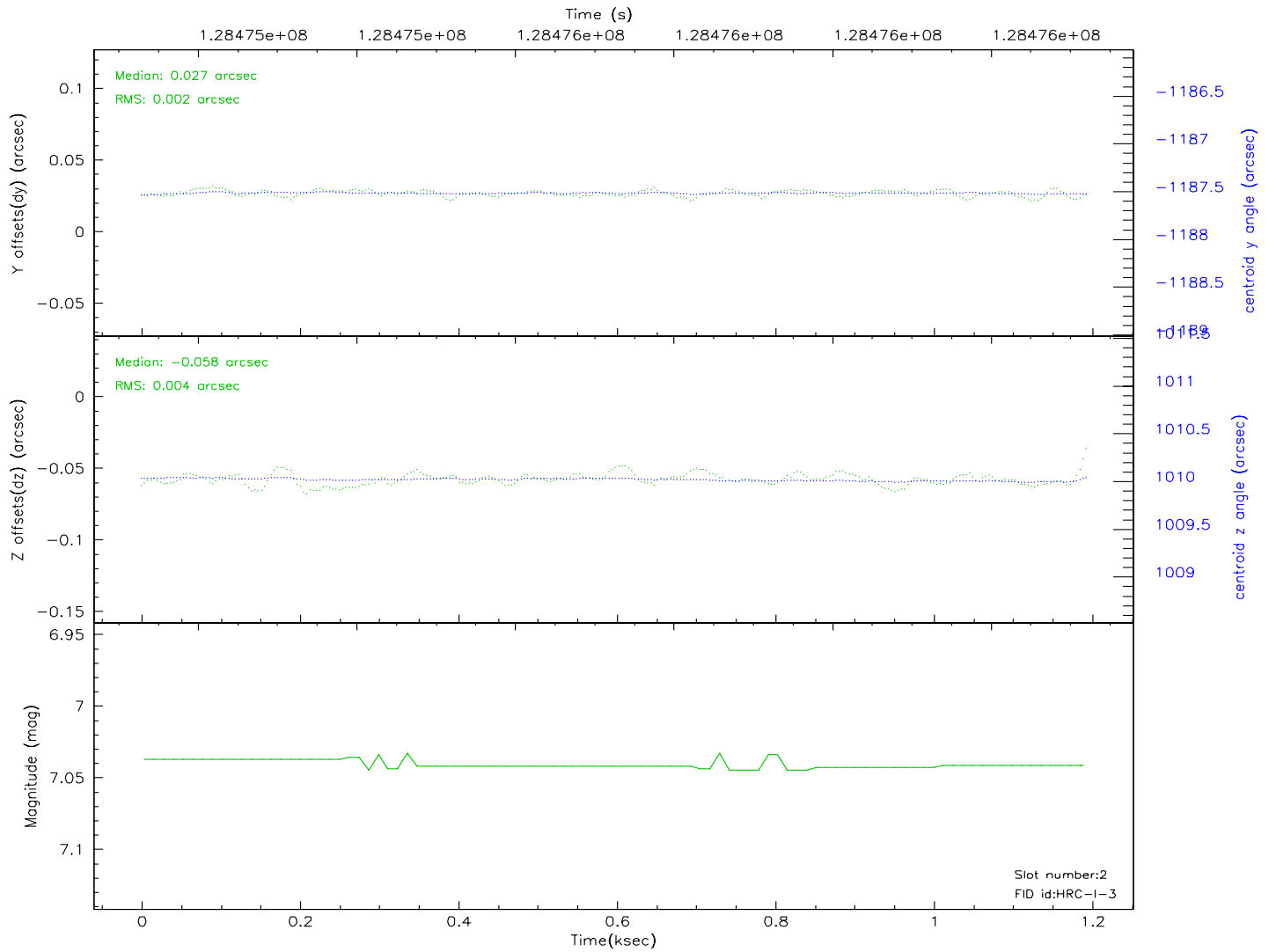
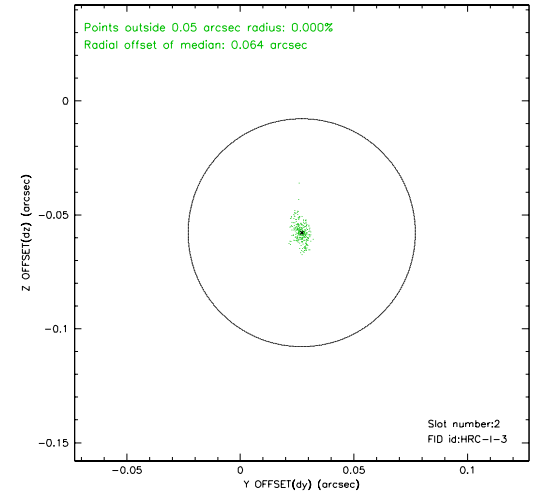
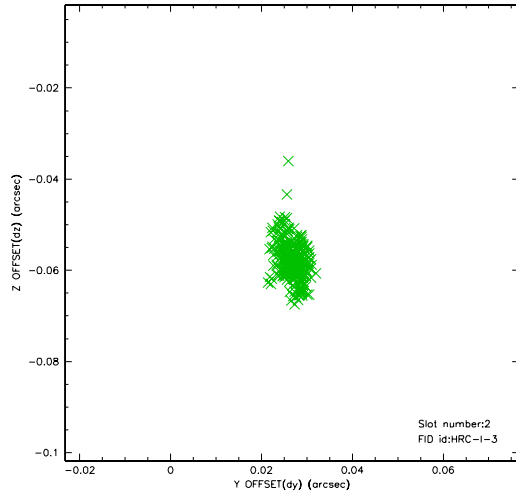
2.5.1 Slot 0



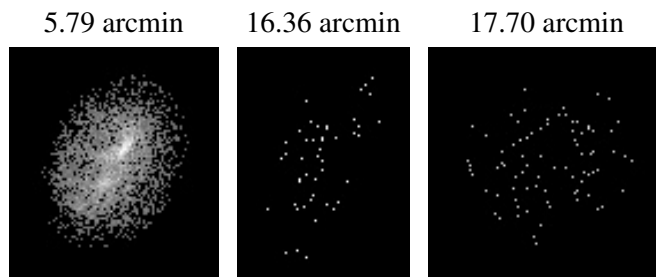
2.5.2 Slot 1



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	1.194

A.2 Comments

Monitor constraint met.

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.