

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2604 - L2 Version 3
Chandra X-Ray Center

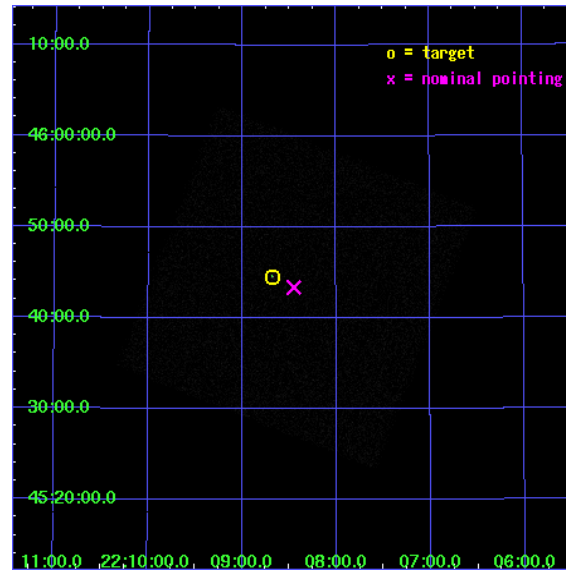
L2 Processing Date : Nov 20 2007

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

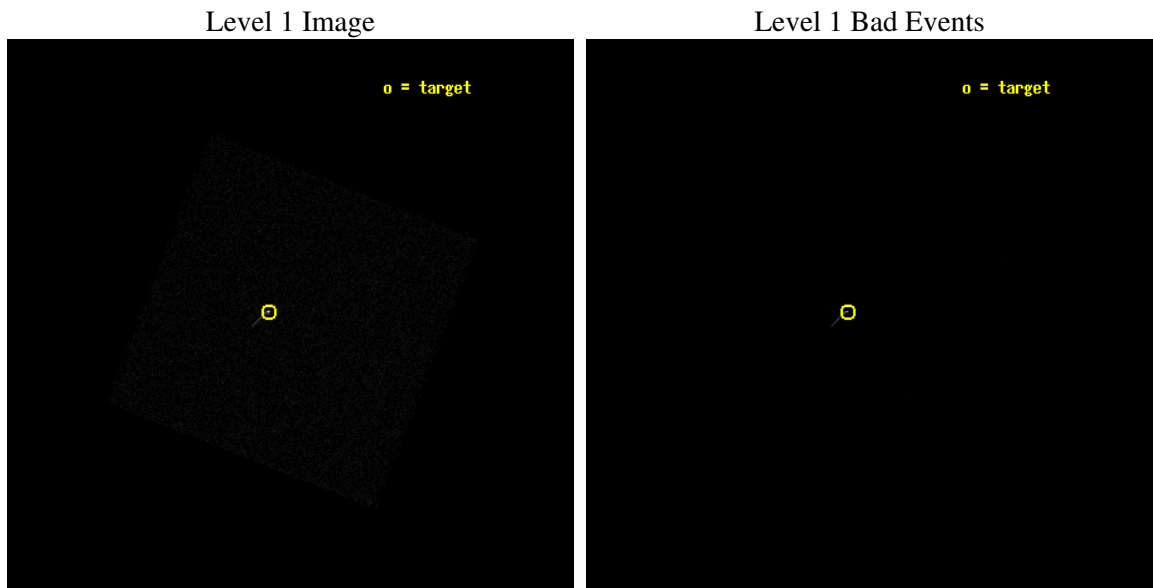
seq_num	290160
obs_id	2604
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.1123706781
dec_nom	45.722801669248
roll_nom	336.41786414802
revision	3
ontime	895.08128605783
livetime	890.09739310919
l2events	27989



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	2007-11-20T22:34:49
revision	3

sched_exp_time	1000.000000
ontime	895.08128605783
l1events	56155

2.1.3 Events

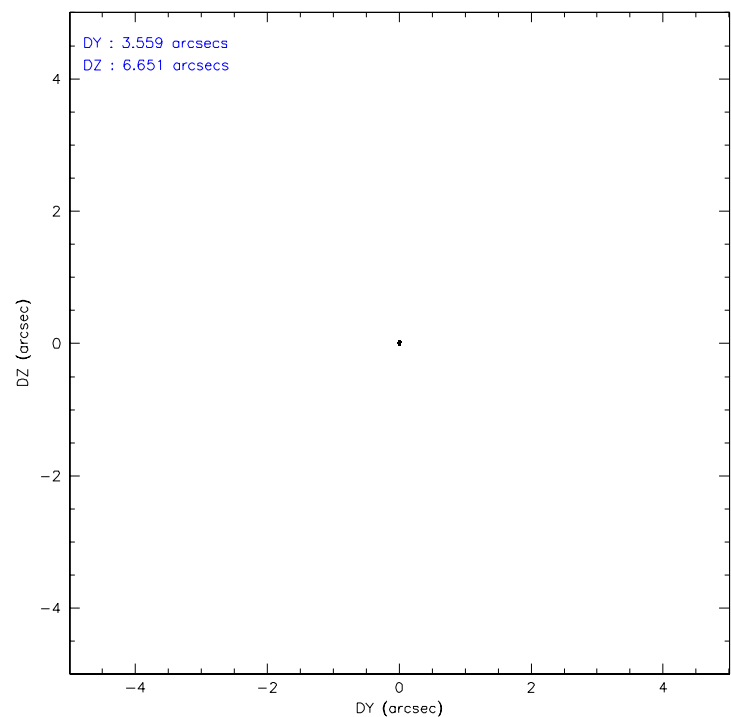
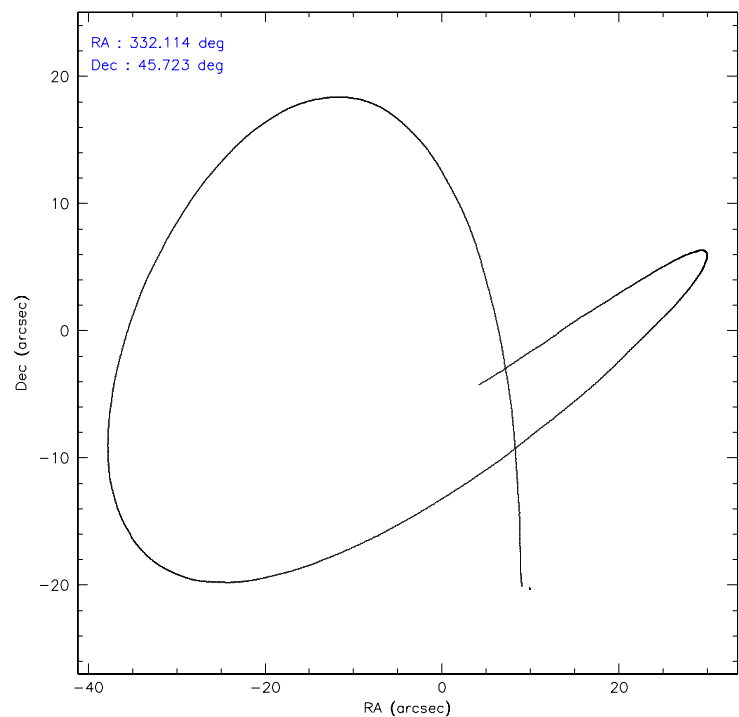
Level 1 Events

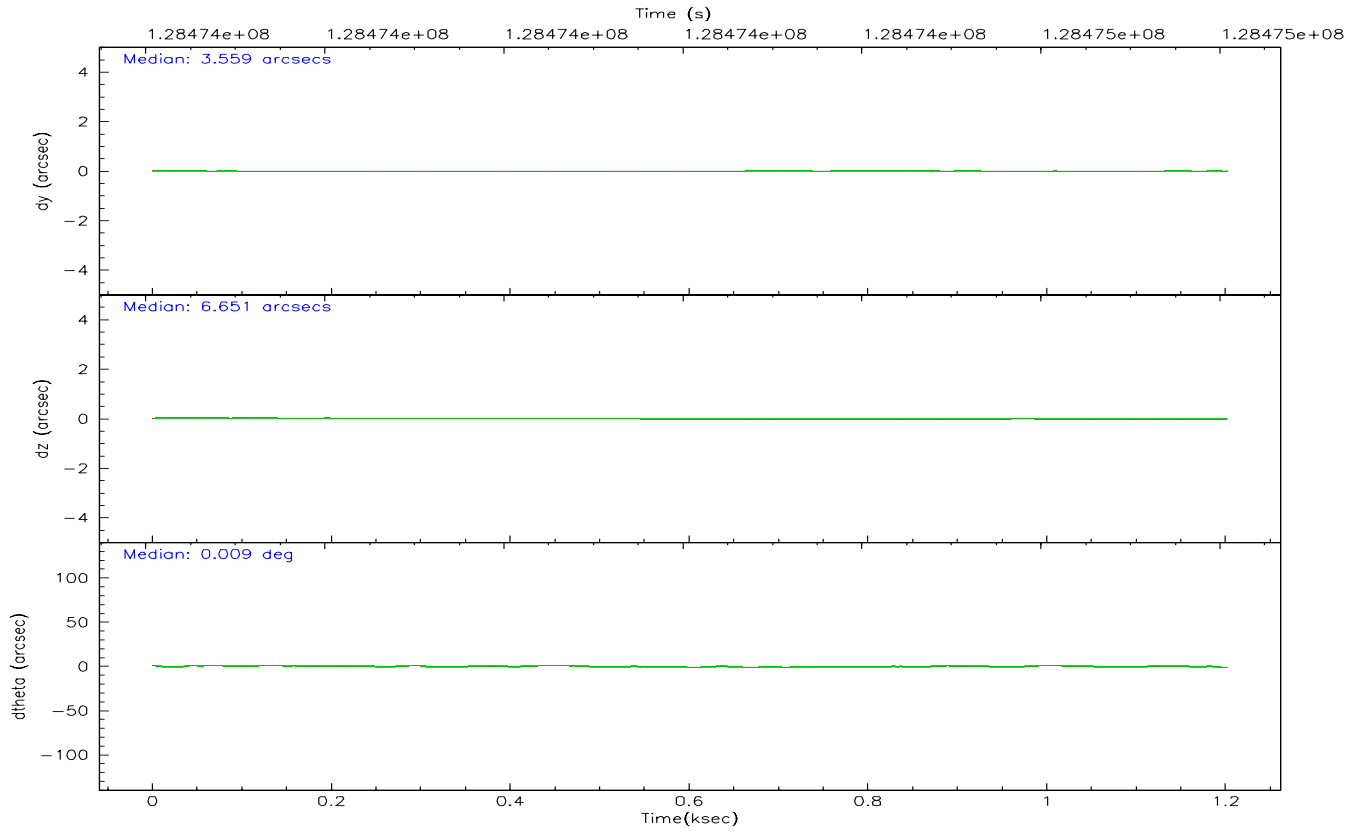
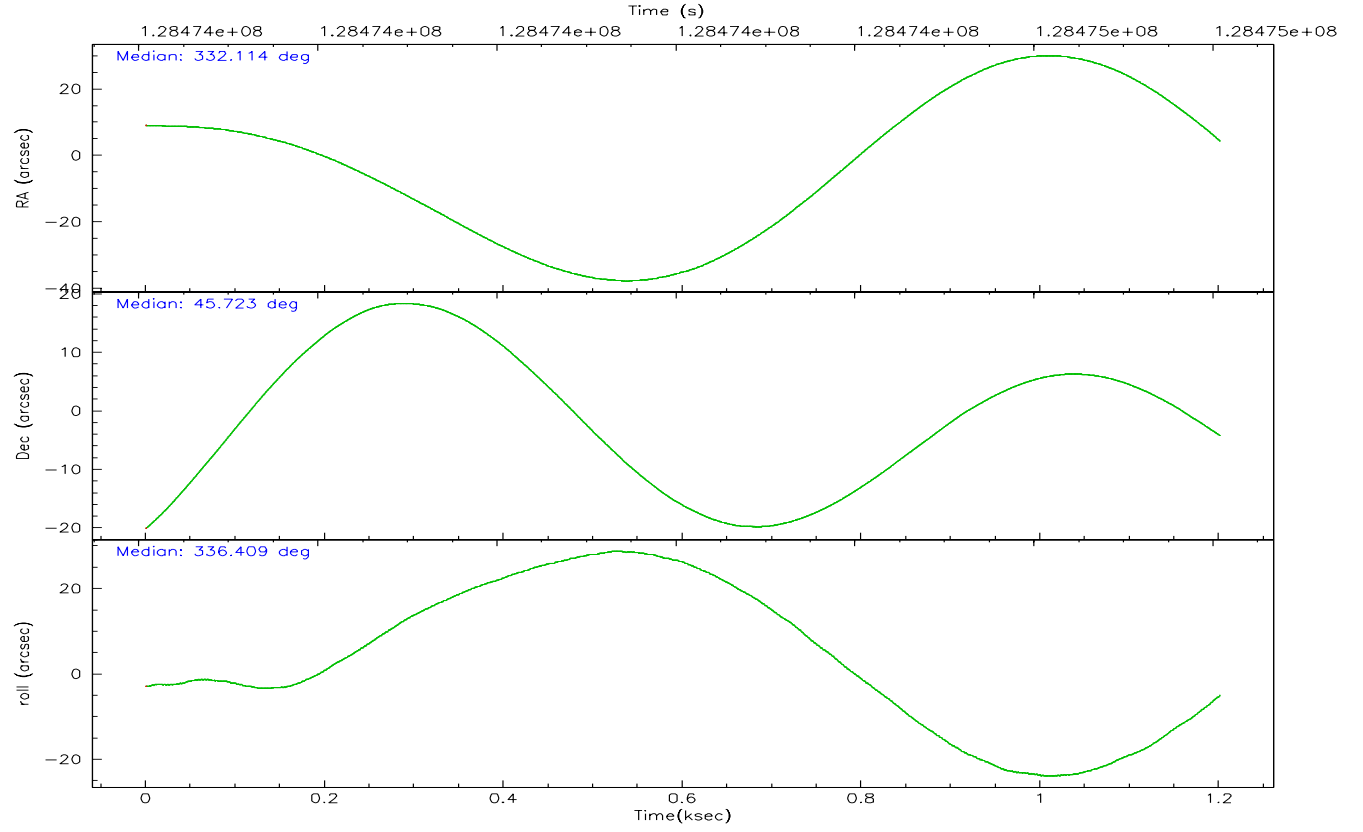
	segment 0
level 1 events	56155
rejected events	15802
rejected %	28%

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	332.072815	332.1123706780953			
Pointing Dec	45.718365	45.72280166924849			
Pointing Roll	336.541664	336.417864148022			
Window start time	126230464.184000	126230464.184000			
Window stop time	131241664.184000	131241664.184000			
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	128473809.184000	128473397.48957			
Observation start date	2002-01-26T23:09:05	2002-01-26T23:03:17			
Observation end time	128474809.184000	128474943.70214			
Observation end date	2002-01-26T23:25:45	2002-01-26T23:29:03			

2.3 Aspect



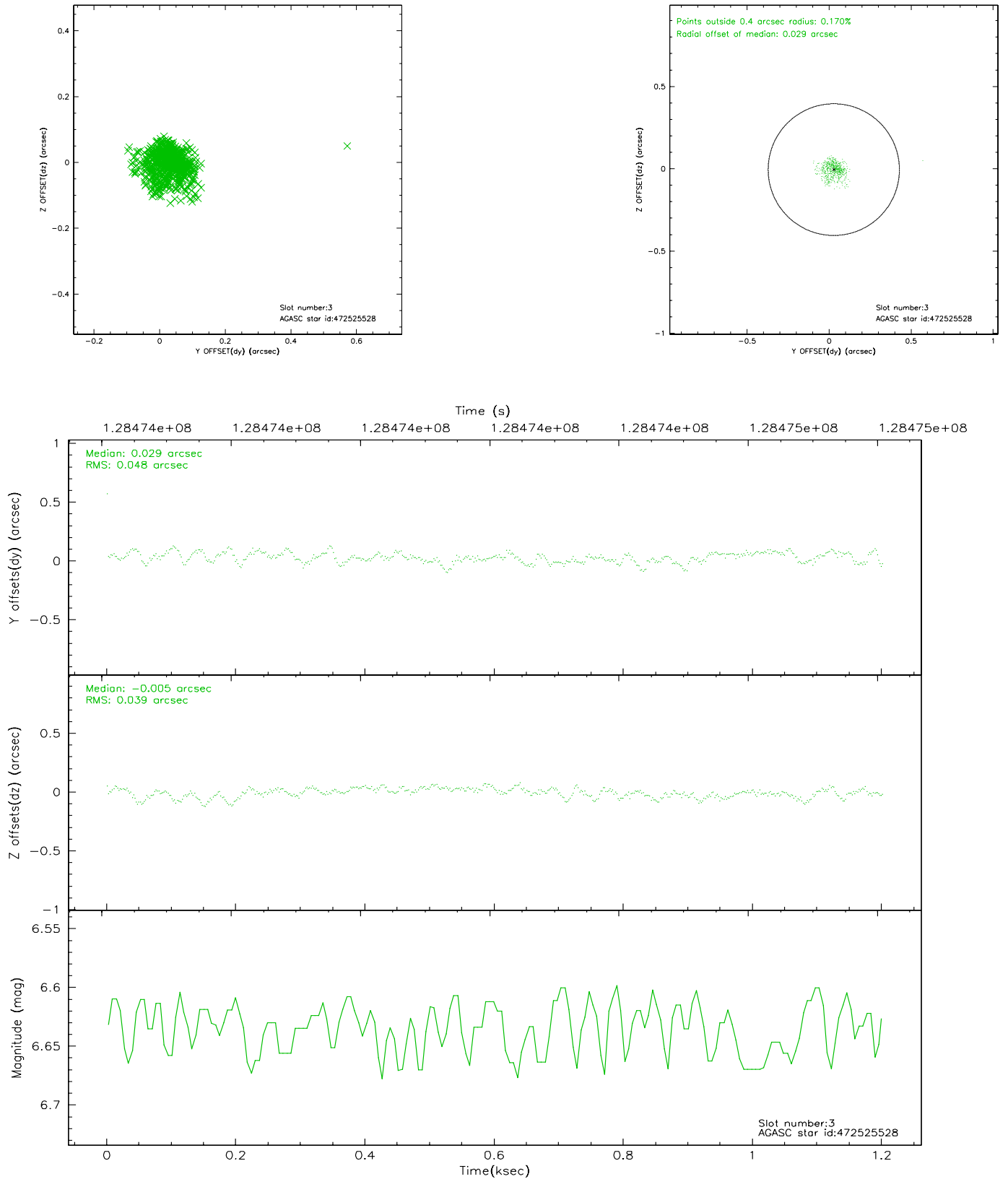


Slot Statistics

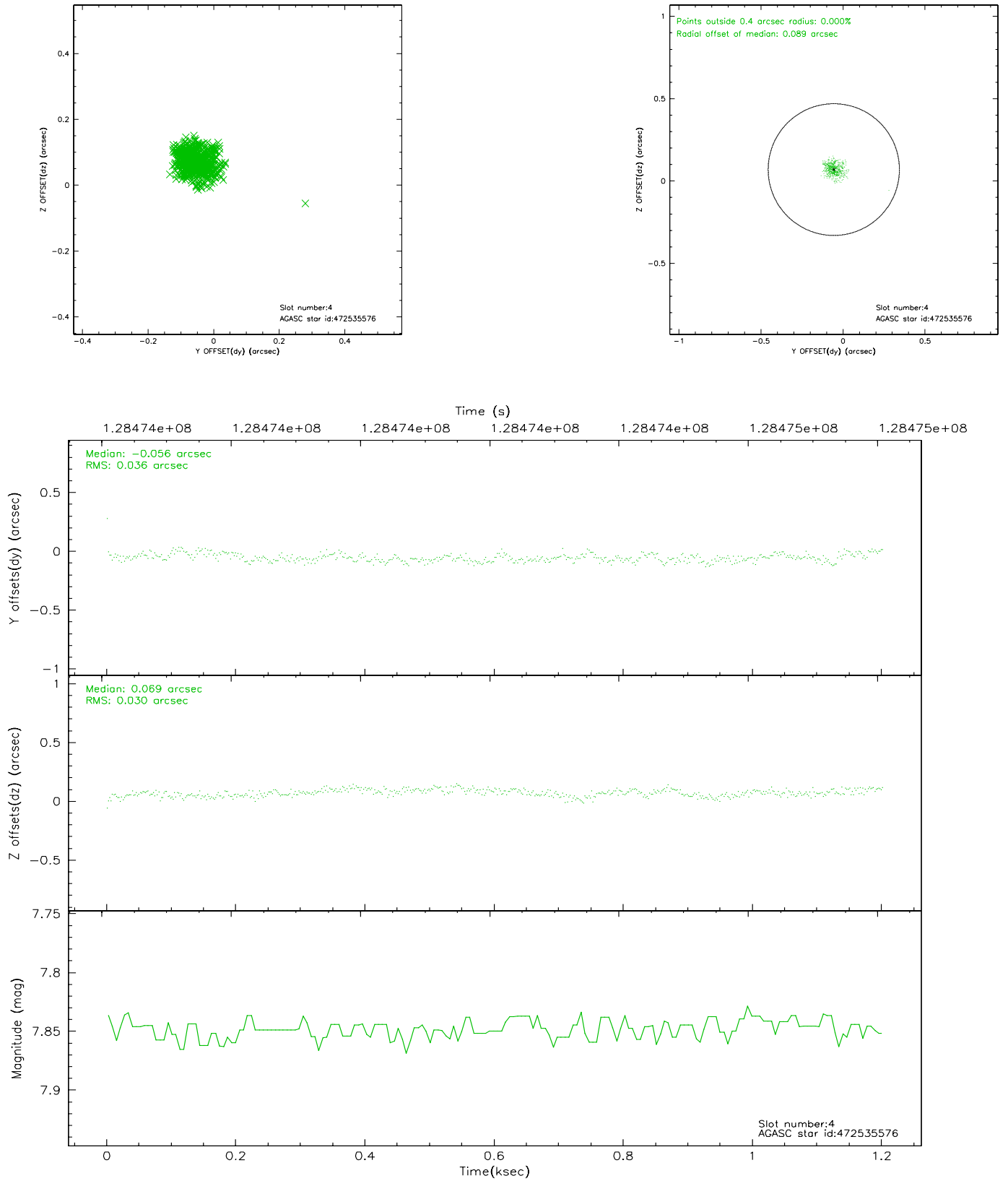
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	294	0.070	0.039	0.006	0.009	0.000000	0.000000	-759.00	-1294.49
1	FID	HRC-I-3	7.04	294	0.006	-0.055	0.006	0.011	0.000000	0.000000	-1190.10	1005.58
2	FID	HRC-I-4	6.98	294	0.038	-0.073	0.005	0.008	0.000000	0.000000	1279.75	1010.96
3	GUIDE	472525528	6.63	587	0.029	-0.005	0.062	0.102	331.551102	45.248694	-542.95	-2077.88
4	GUIDE	472535576	7.85	587	-0.056	0.069	0.049	0.077	331.438373	46.291802	-2274.83	1263.25
5	GUIDE	472523760	8.23	587	-0.020	-0.126	0.077	0.119	331.645363	45.403260	-546.02	-1470.43
6	GUIDE	472665256	9.02	586	-0.061	-0.013	0.091	0.140	332.808125	46.195041	991.58	2304.68
7	GUIDE	472659832	9.46	585	0.105	0.077	0.119	0.193	332.780399	46.098139	1073.01	1964.41

2.4 Star Slots

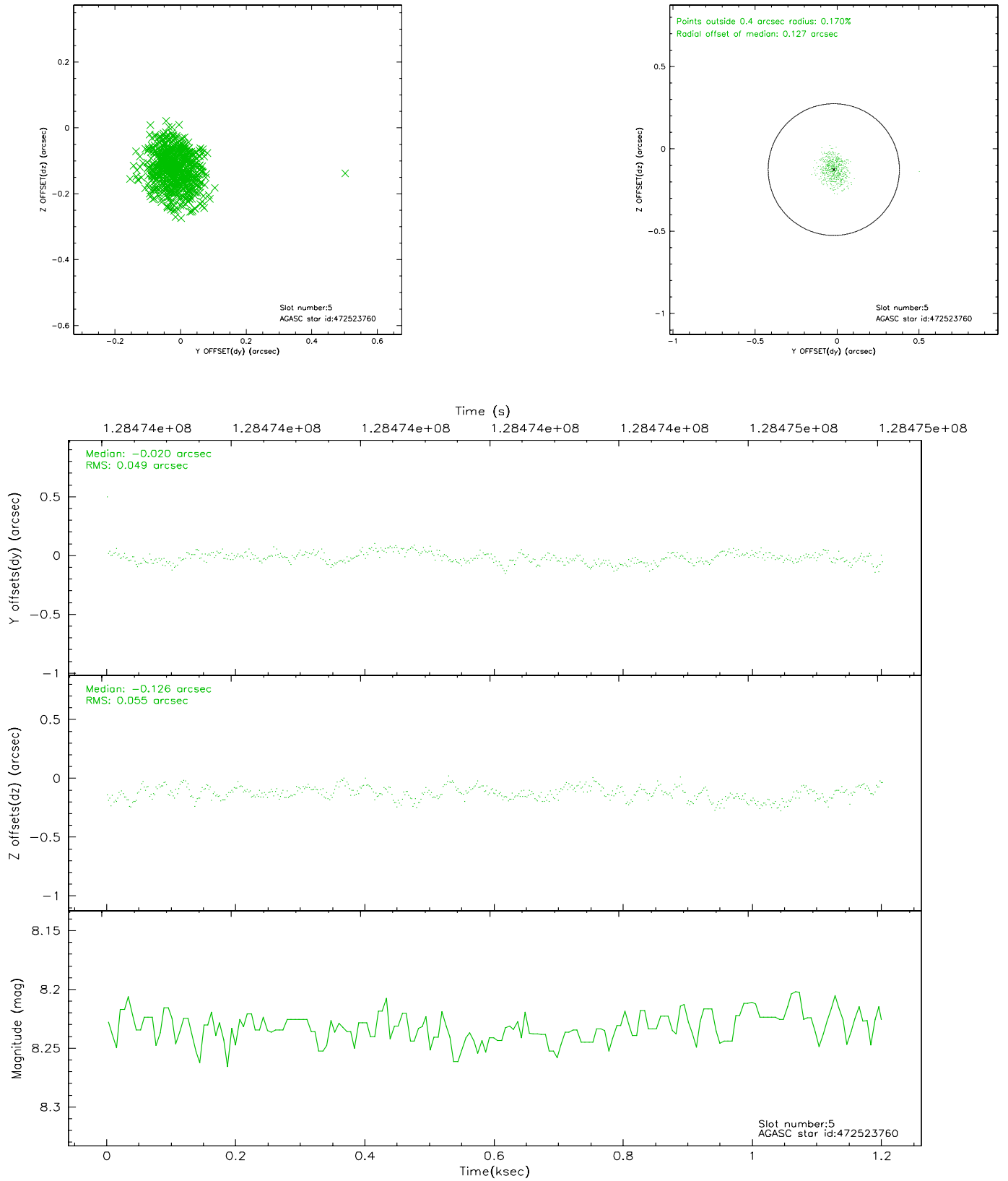
2.4.1 Slot 3



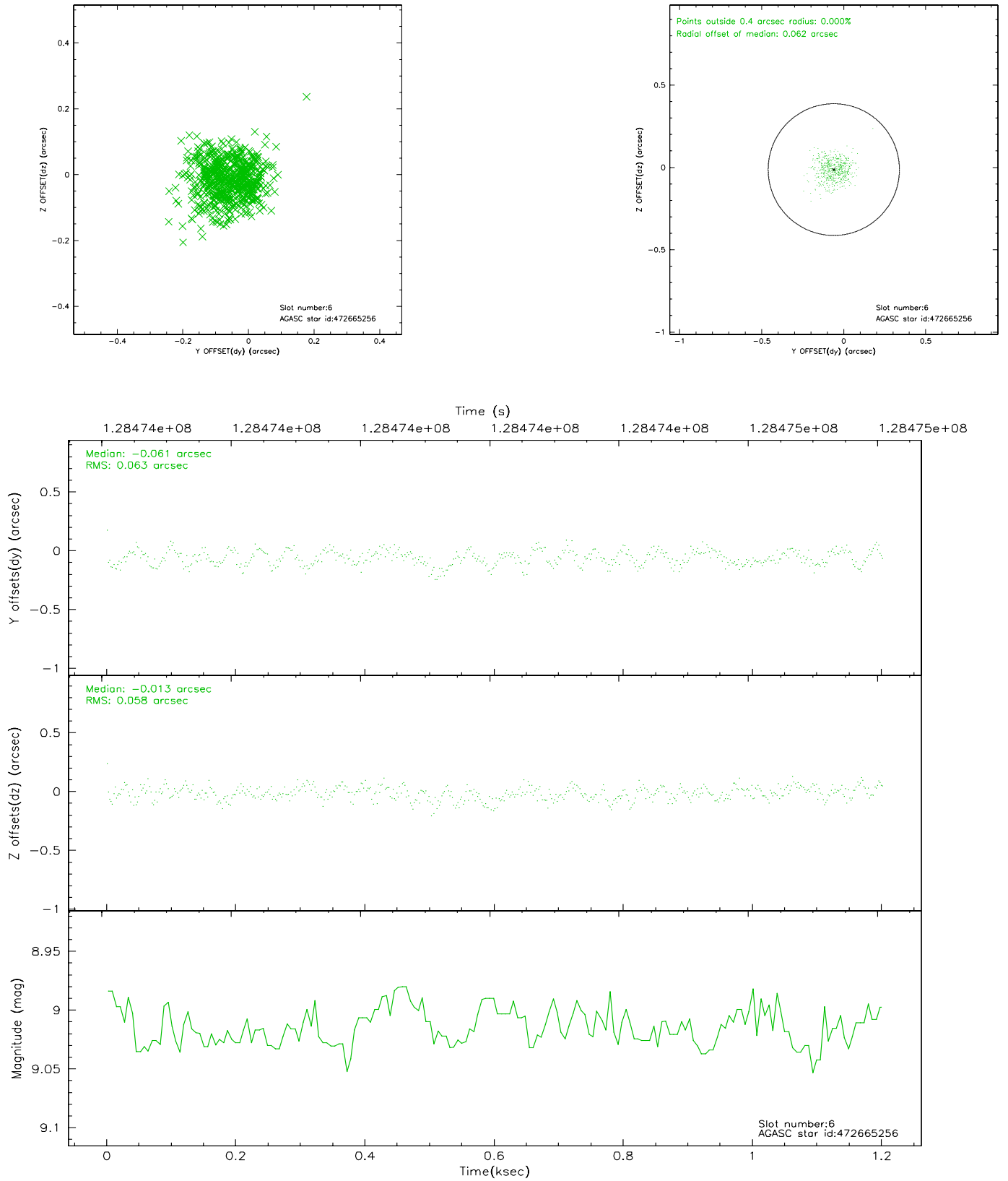
2.4.2 Slot 4



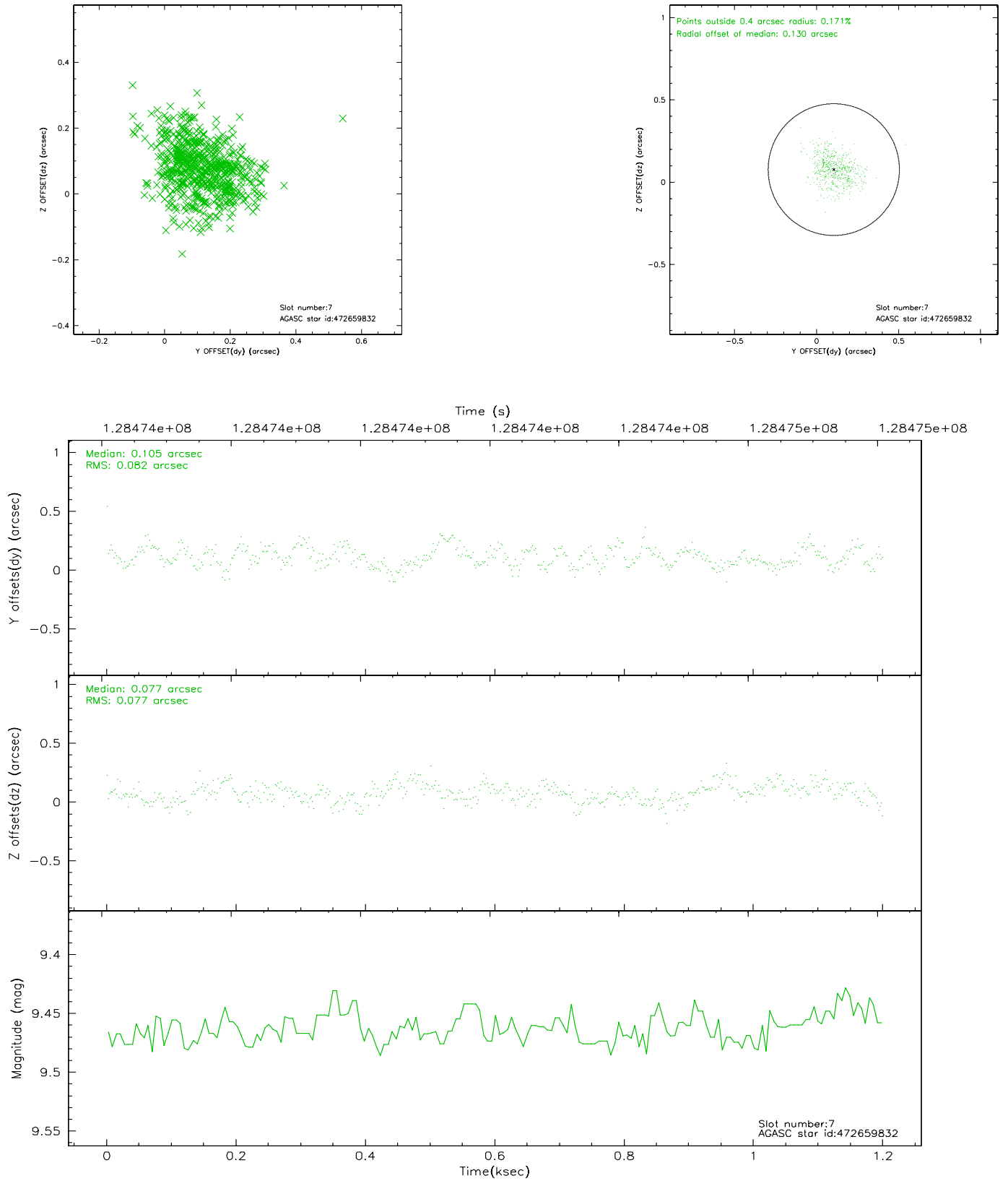
2.4.3 Slot 5



2.4.4 Slot 6

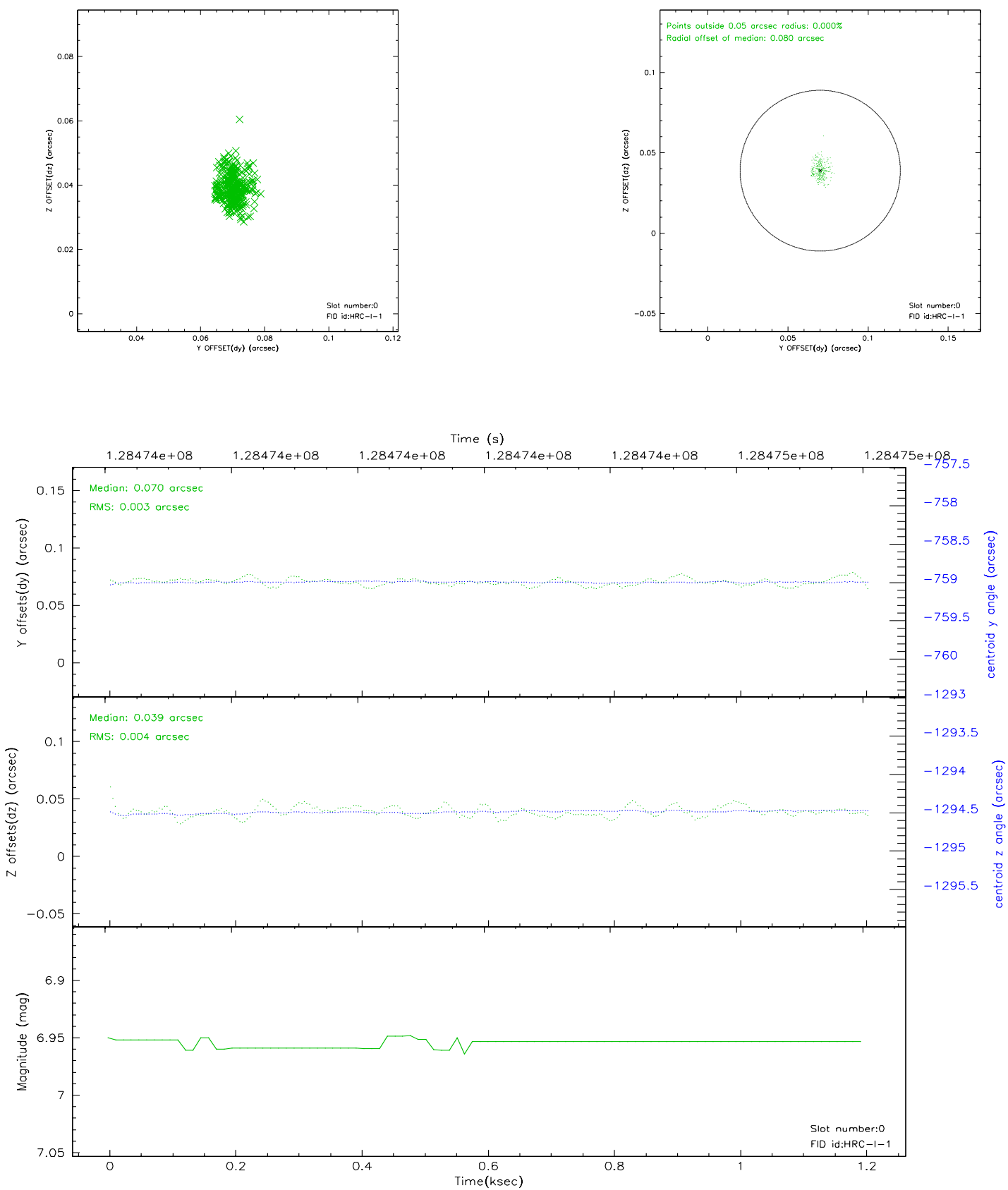


2.4.5 Slot 7

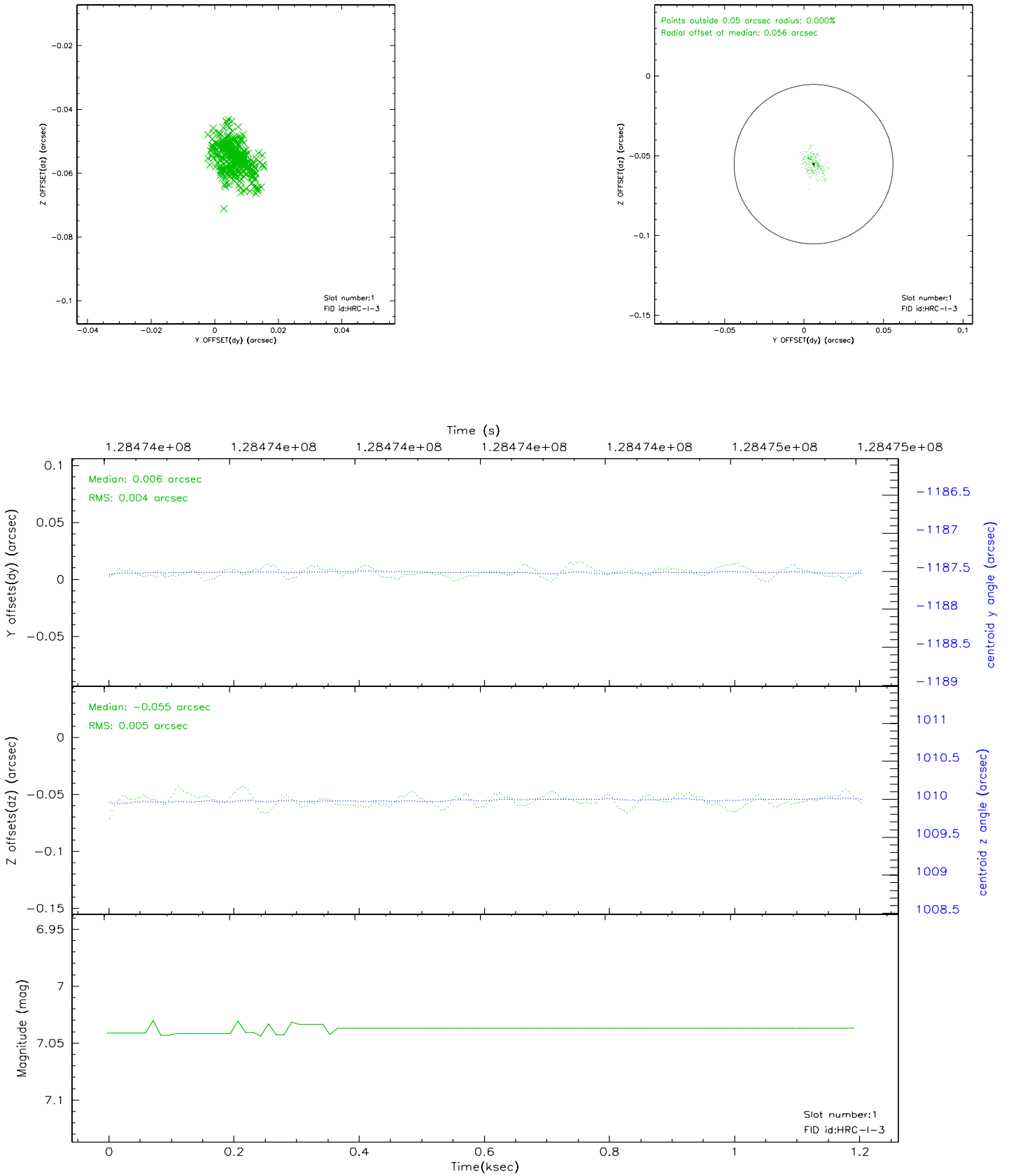


2.5 FID Slots

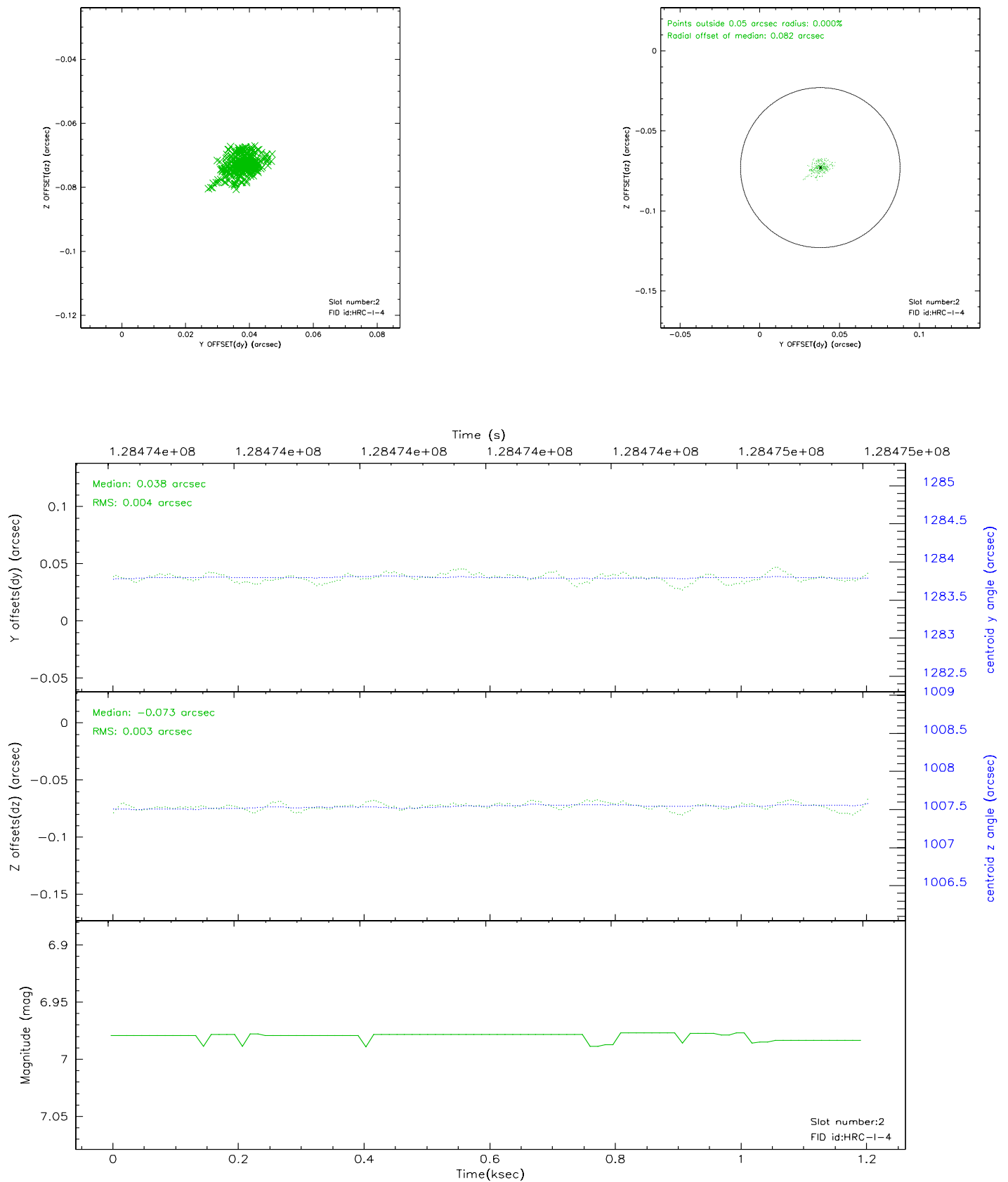
2.5.1 Slot 0



2.5.2 Slot 1

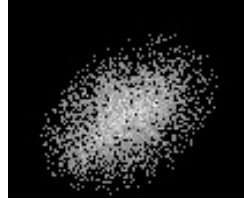


2.5.3 Slot 2



3 Point Sources

2.68 arcmin



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	0.895

A.2 Comments

Window 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.