

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2362 - L2 Version 5
Chandra X-Ray Center

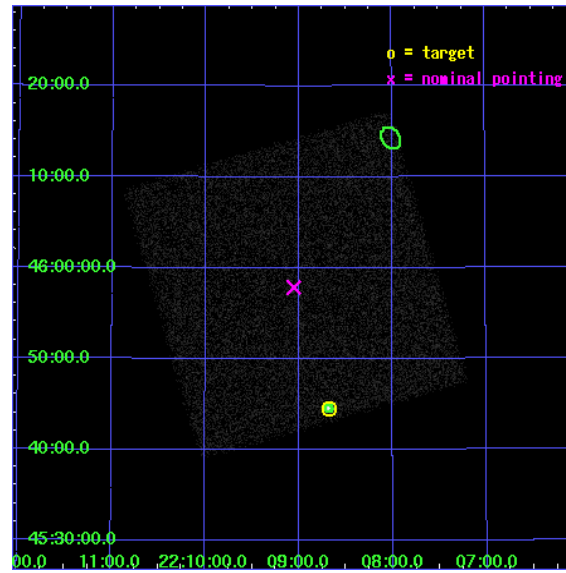
L2 Processing Date : Nov 21 2007

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

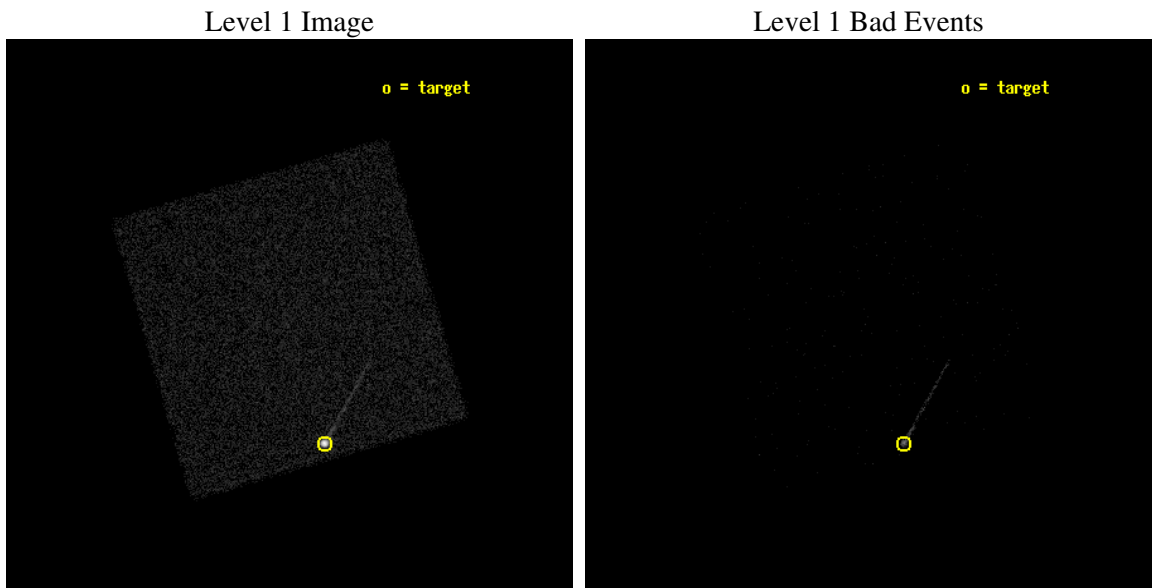
seq_num	290109
obs_id	2362
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC,HRC-I,AO2A
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.26342827917
dec_nom	45.96430340753
roll_nom	298.74523744165
revision	5
ontime	1202.5812959671
livetime	1196.7649020606
l2events	33430



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	2007-11-21T06:10:05
revision	4

sched_exp_time	1000.000000
ontime	1202.5812959671
l1events	58750

2.1.3 Events

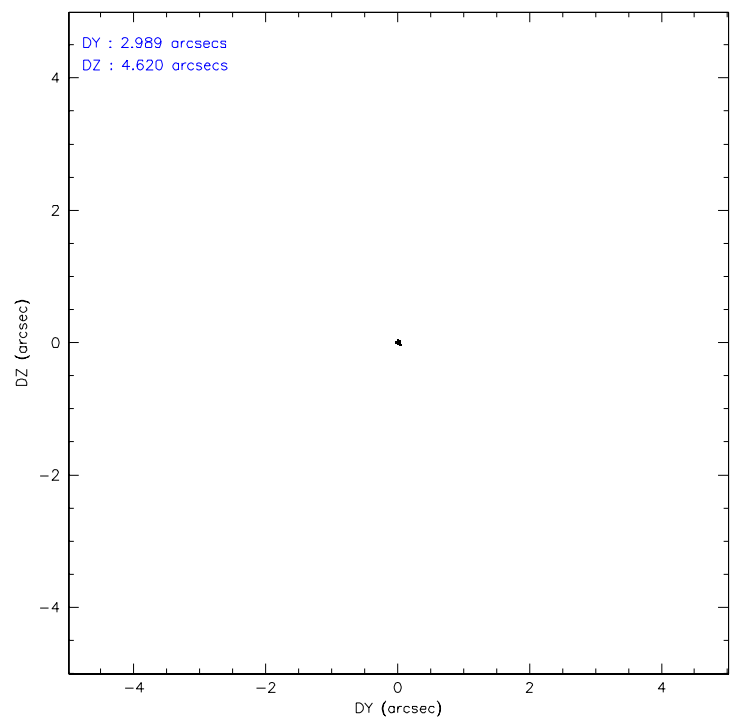
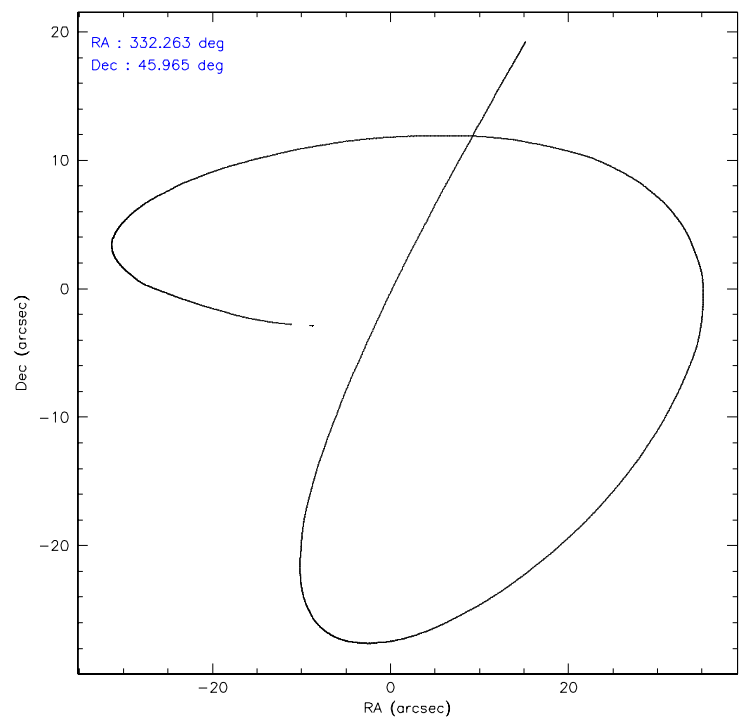
Level 1 Events

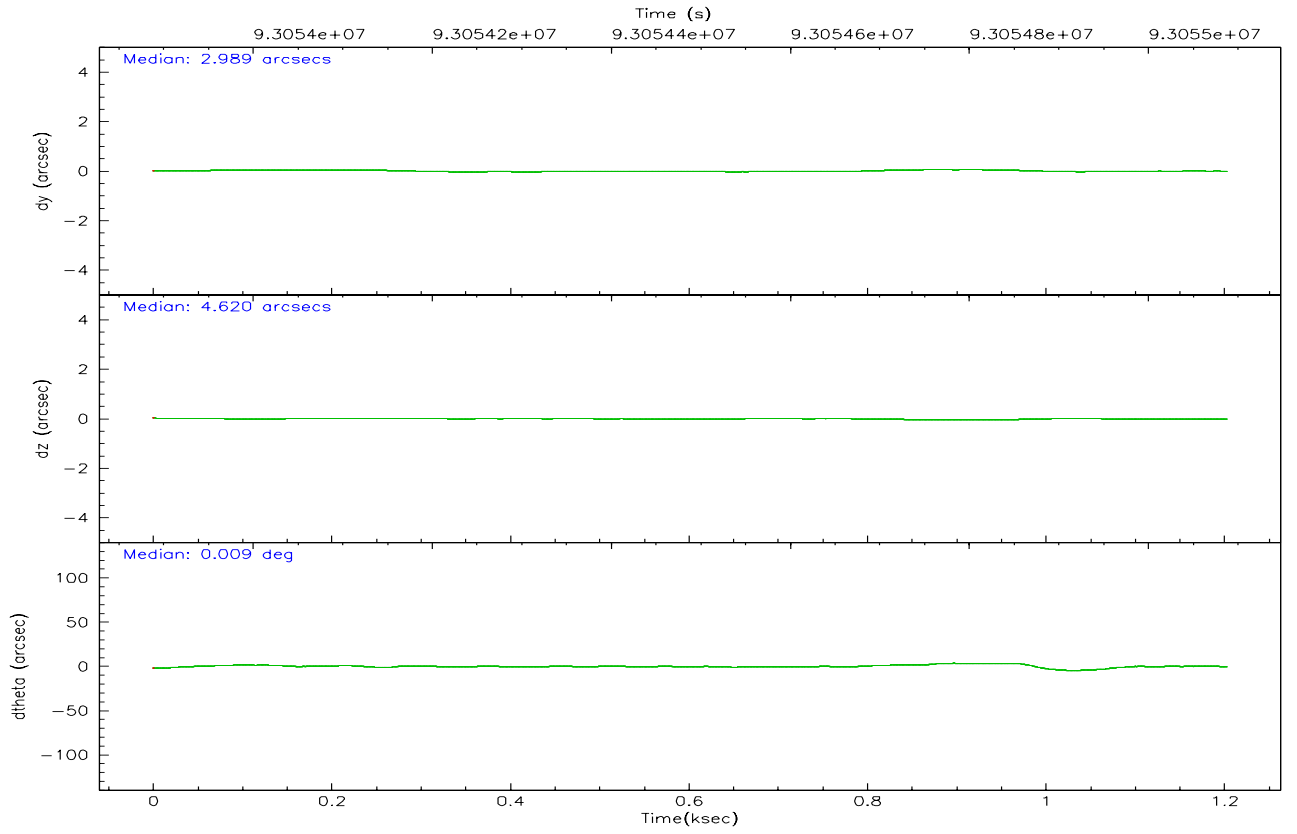
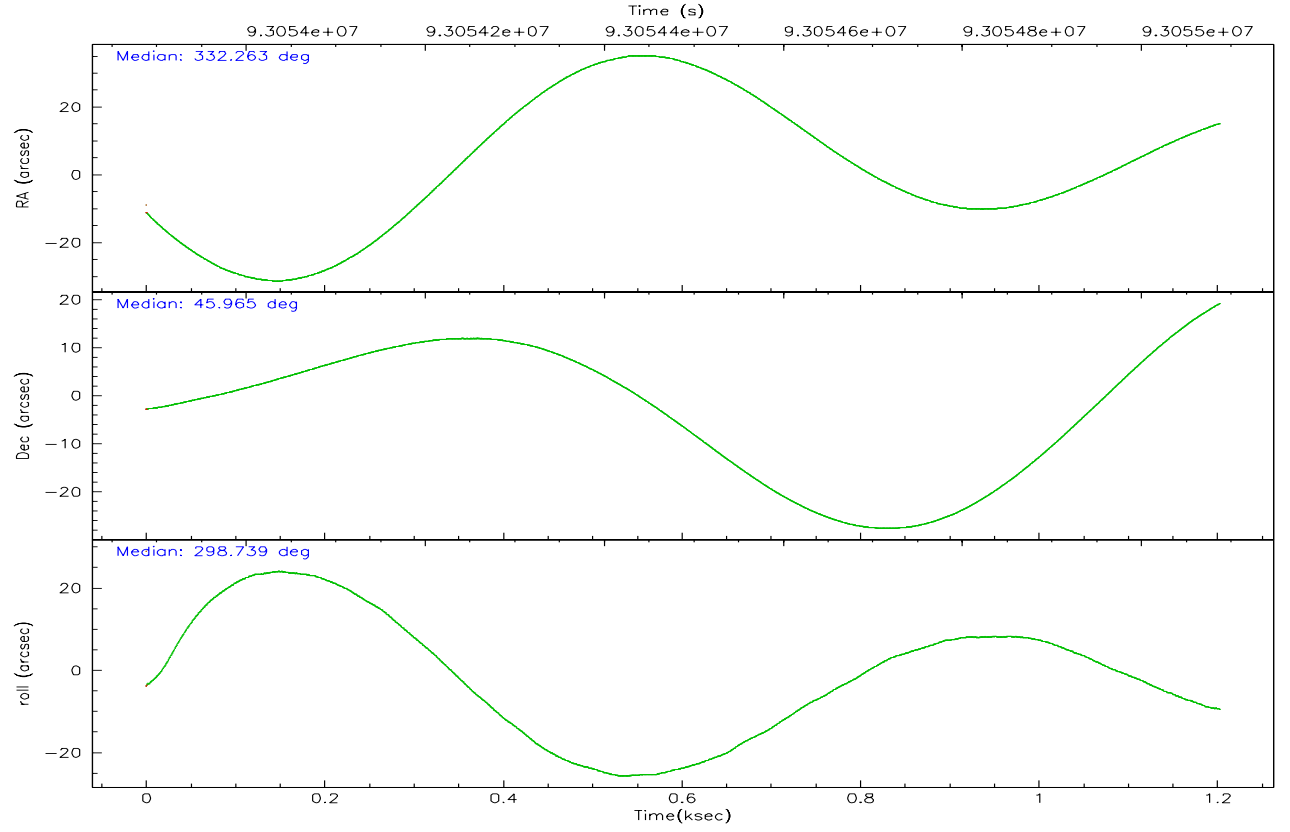
	segment 0
level 1 events	58750
rejected events	11859
rejected %	20%

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	332.230821	332.2634282791698			
Pointing Dec	45.978110	45.96430340753021			
Pointing Roll	298.864302	298.7452374416455			
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	93054091.184000	93053714.938493			
Observation start date	2000-12-13T00:20:27	2000-12-13T00:15:14			
Observation end time	93055091.184000	93055224.76355			
Observation end date	2000-12-13T00:37:07	2000-12-13T00:40:24			

2.3 Aspect



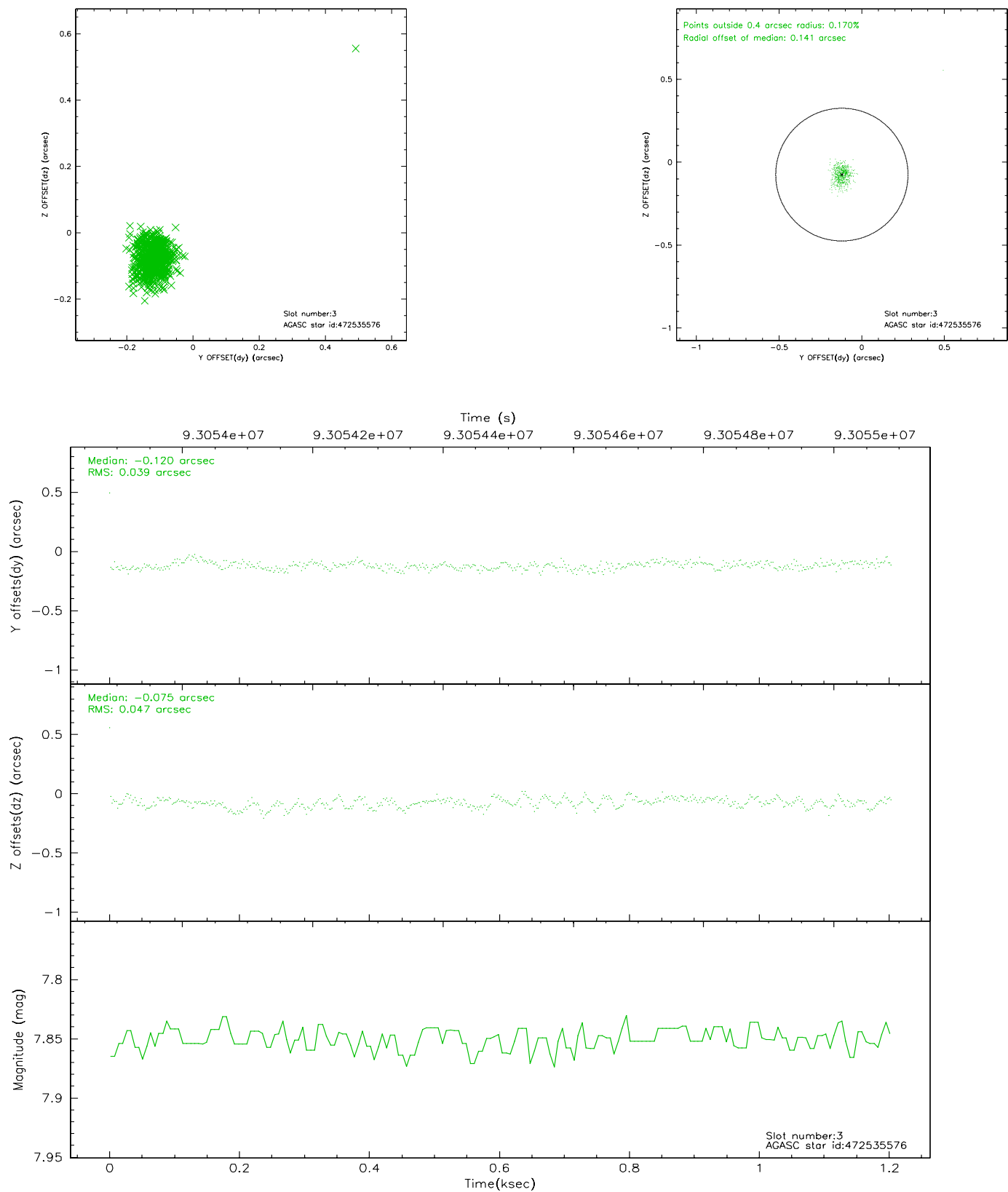


Slot Statistics

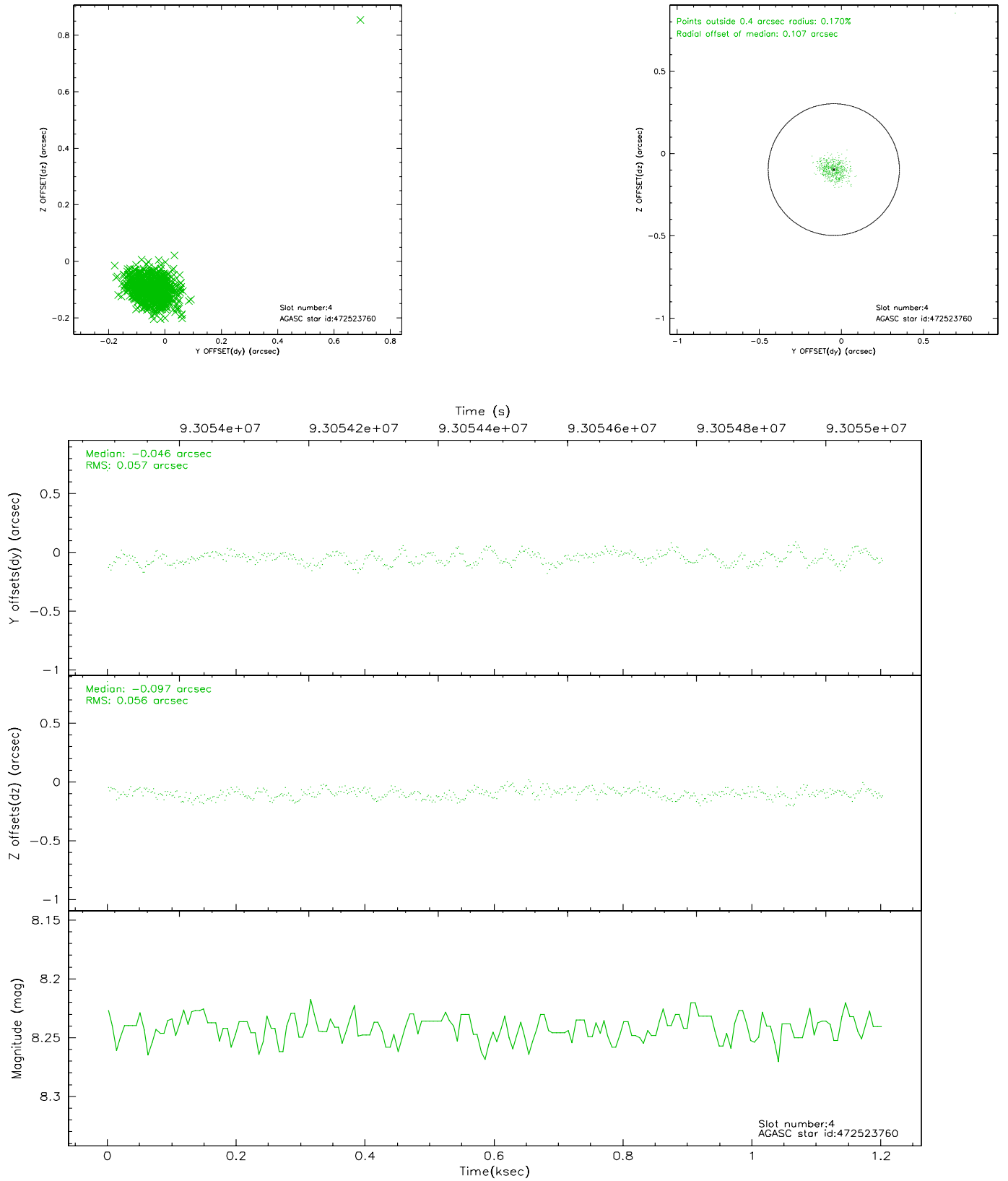
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	294	0.046	0.067	0.014	0.038	0.000000	0.000000	-758.44	-1292.37
1	FID	HRC-I-3	7.05	294	0.036	-0.101	0.014	0.045	0.000000	0.000000	-1189.49	1007.63
2	FID	HRC-I-4	6.98	294	0.032	-0.055	0.008	0.014	0.000000	0.000000	1280.32	1013.08
3	GUIDE	472535576	7.85	588	-0.120	-0.075	0.052	0.086	331.438373	46.291802	-1947.68	-1174.65
4	GUIDE	472523760	8.24	588	-0.046	-0.097	0.066	0.105	331.645363	45.403260	1091.70	-2292.25
5	GUIDE	472659832	9.46	588	-0.052	0.070	0.089	0.149	332.780399	46.098139	282.87	1410.68
6	GUIDE	472655152	9.42	585	0.087	-0.056	0.096	0.155	332.504239	45.862991	694.88	405.47
7	GUIDE	472646552	9.63	587	0.140	0.151	0.117	0.188	333.120915	45.571877	2355.31	1267.76

2.4 Star Slots

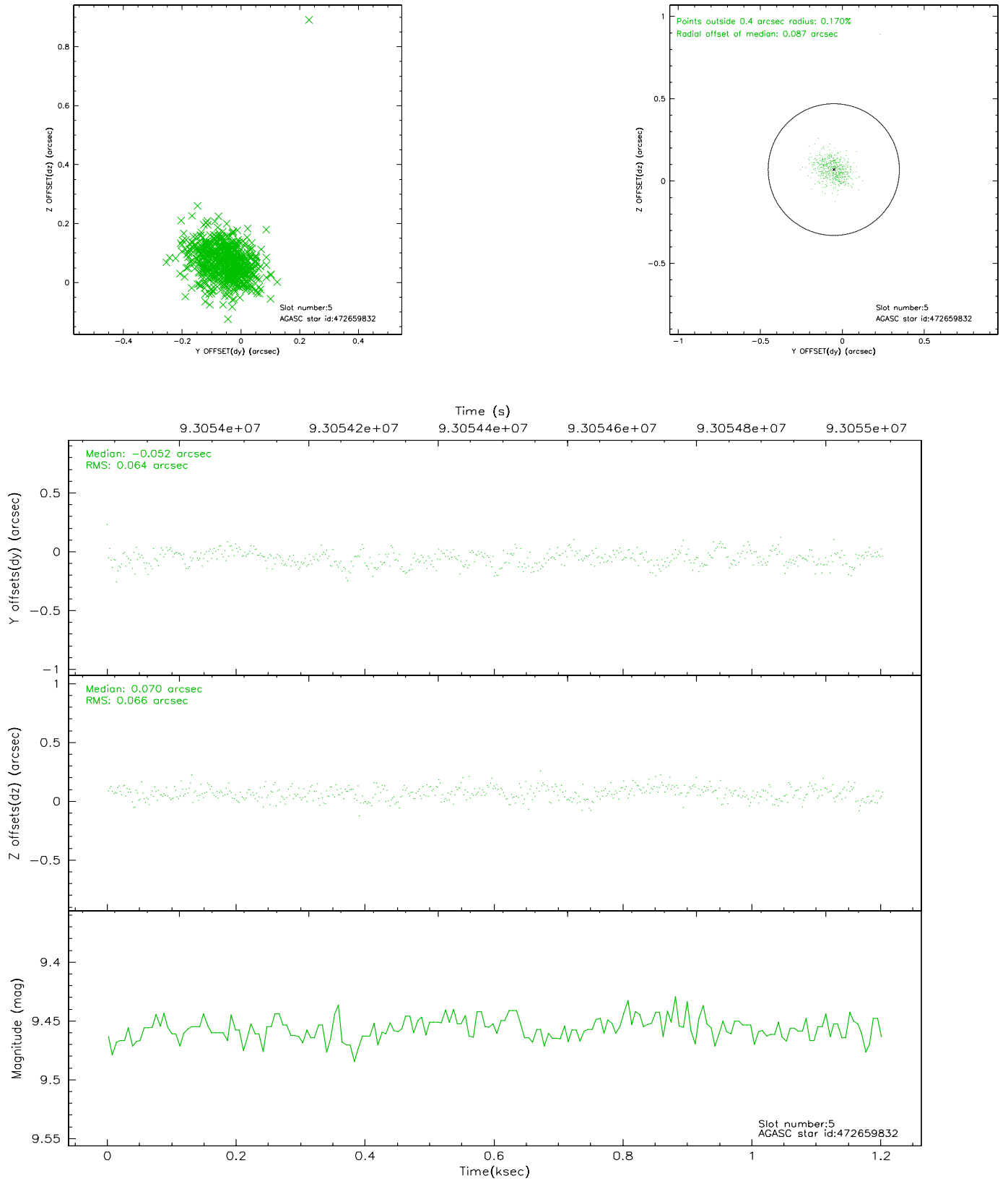
2.4.1 Slot 3



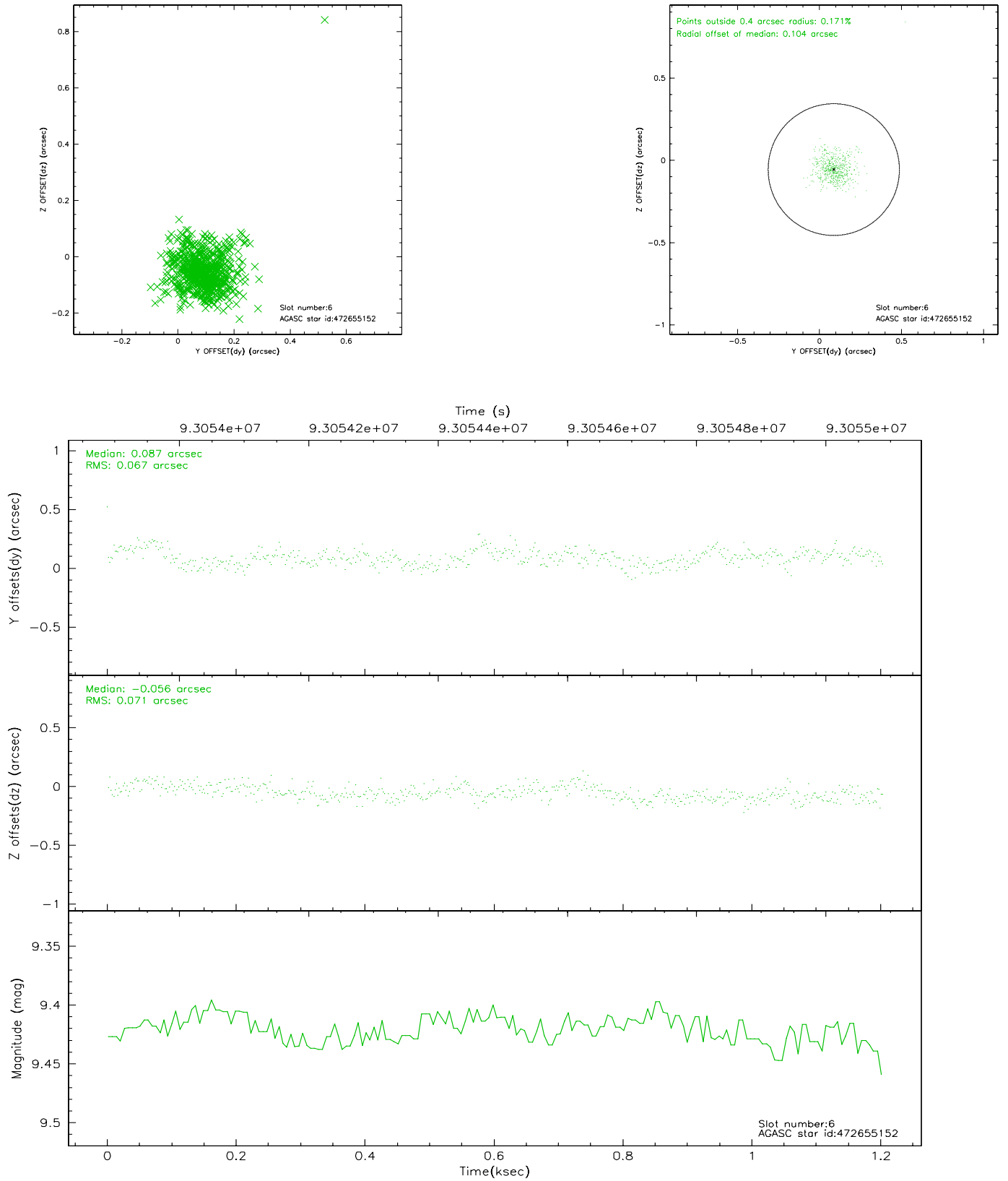
2.4.2 Slot 4



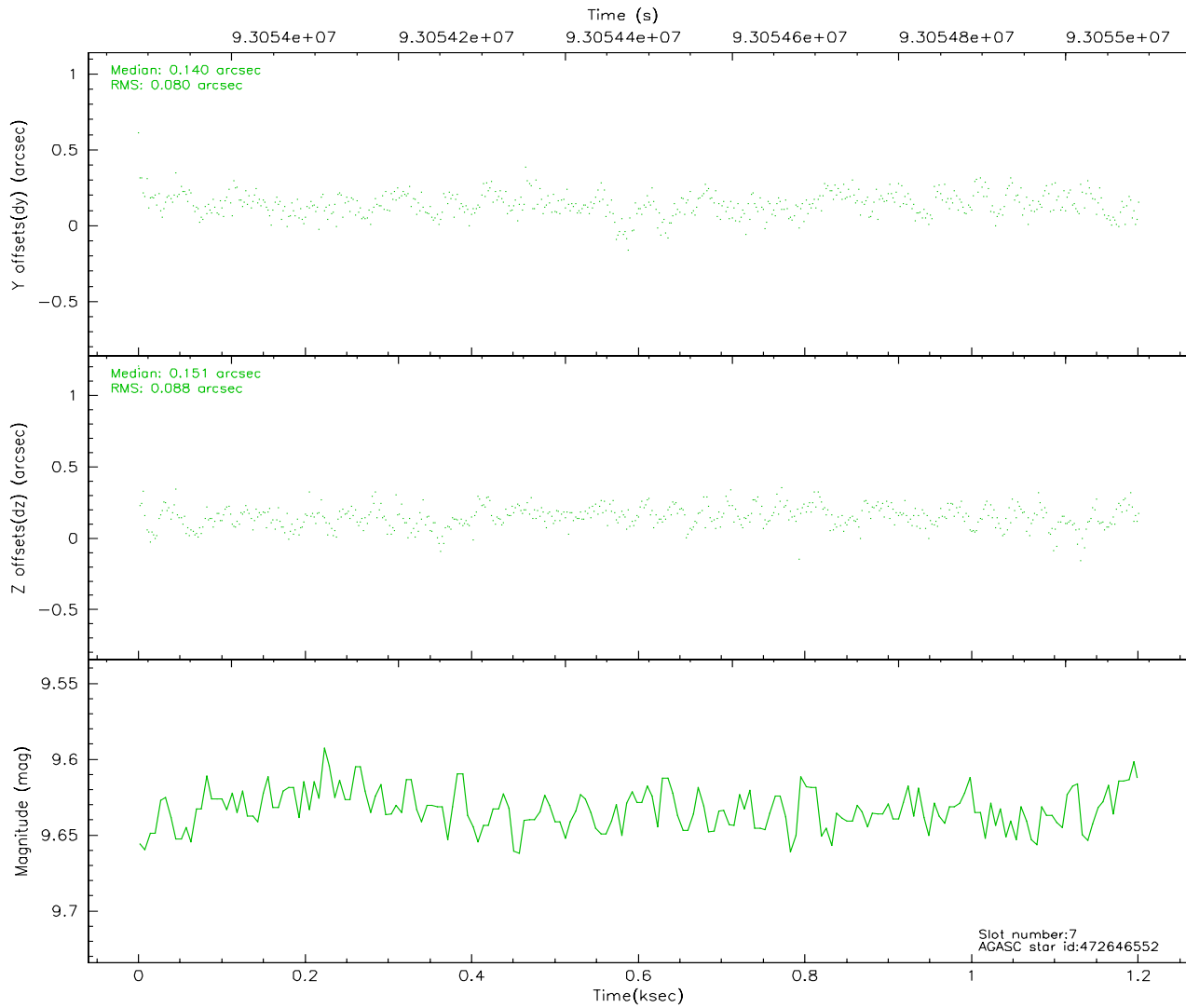
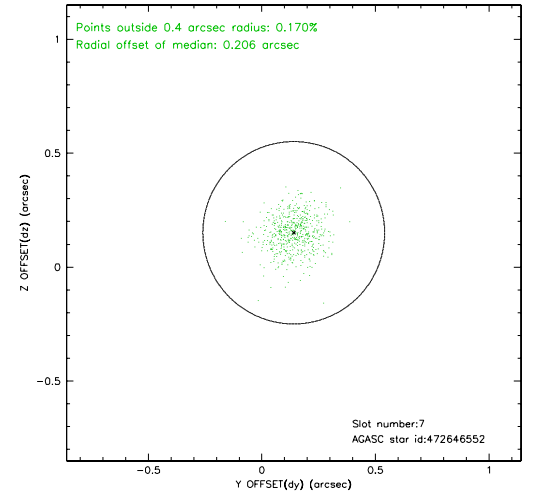
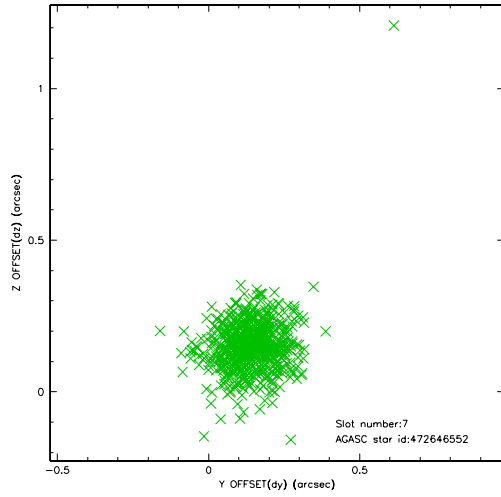
2.4.3 Slot 5



2.4.4 Slot 6

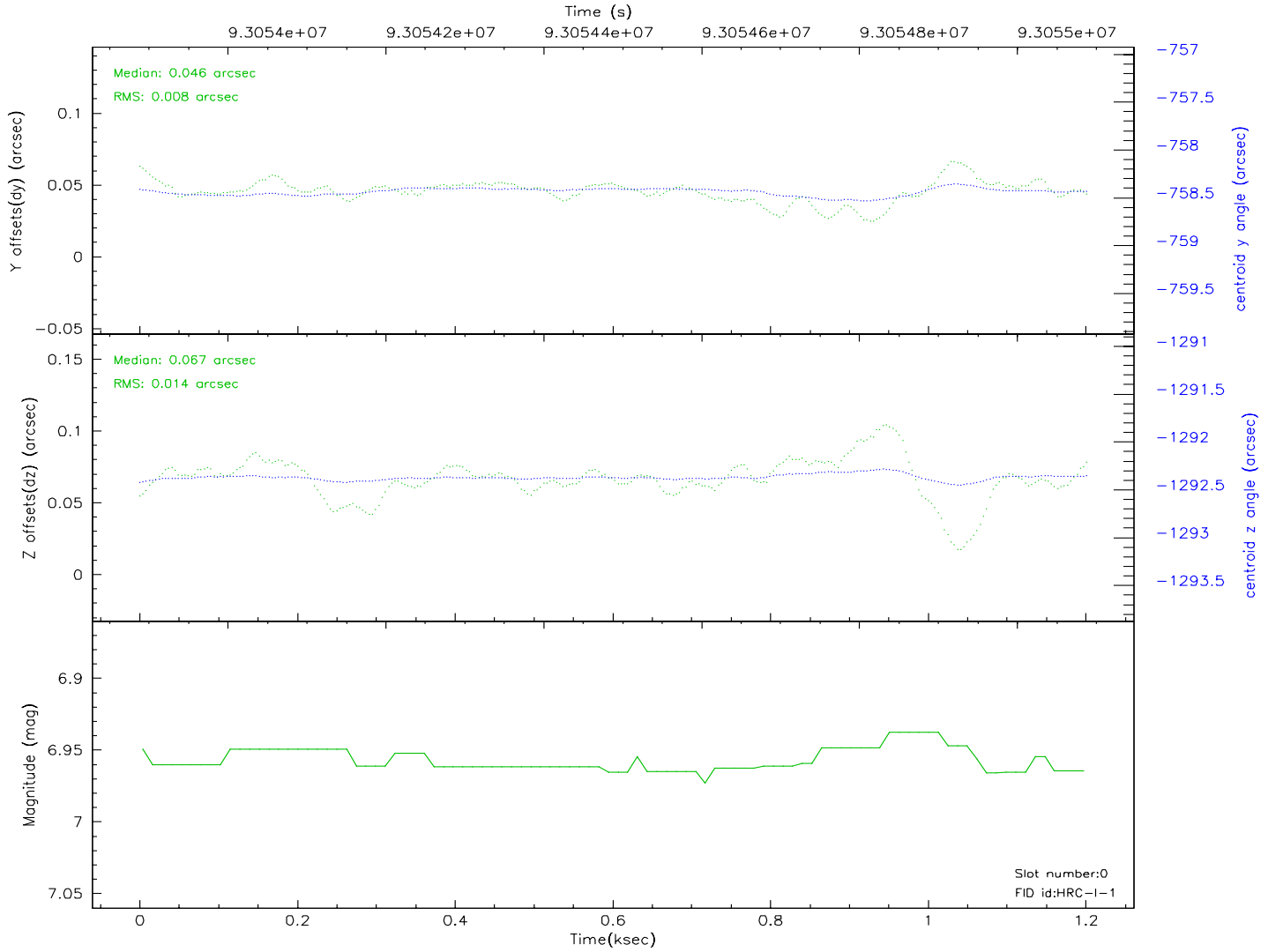
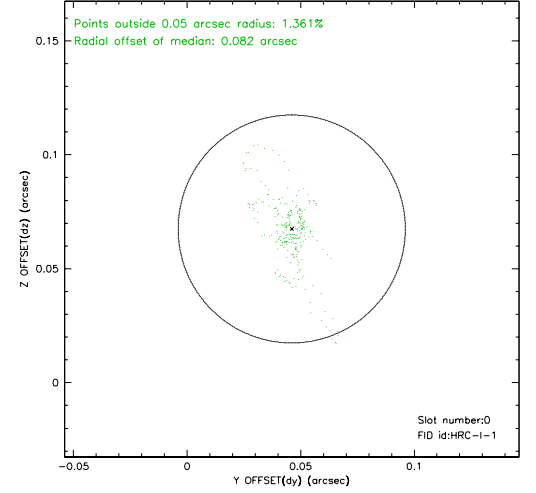
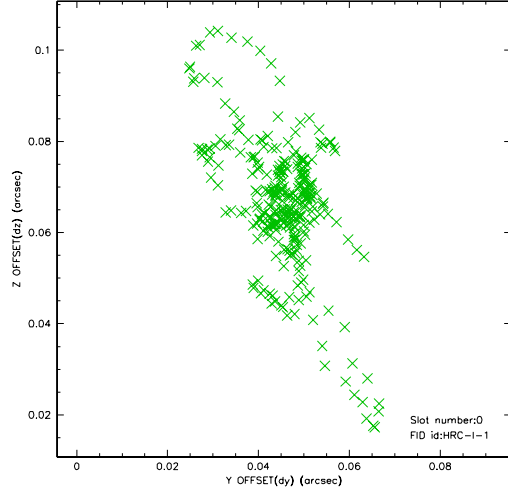


2.4.5 Slot 7

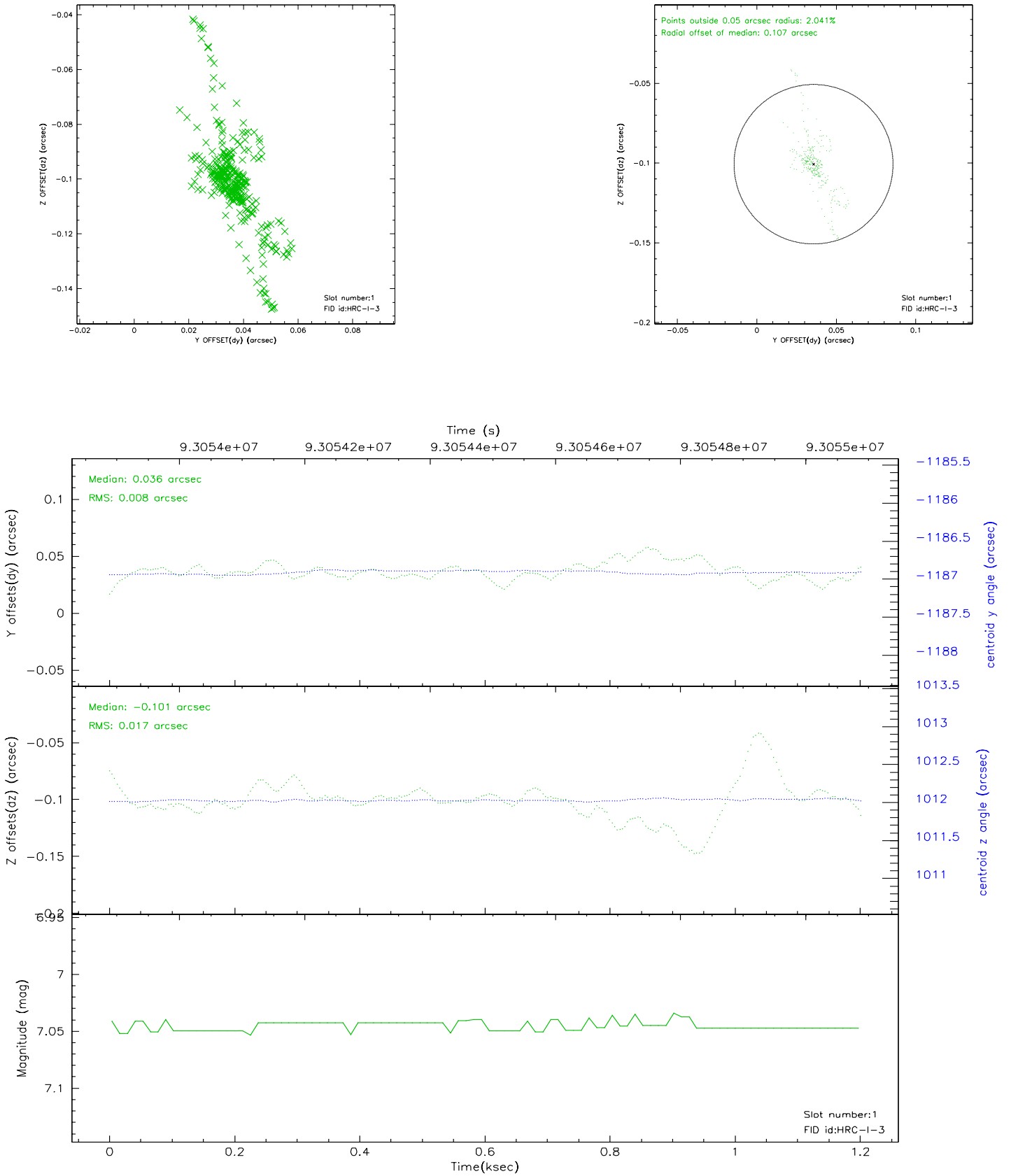


2.5 FID Slots

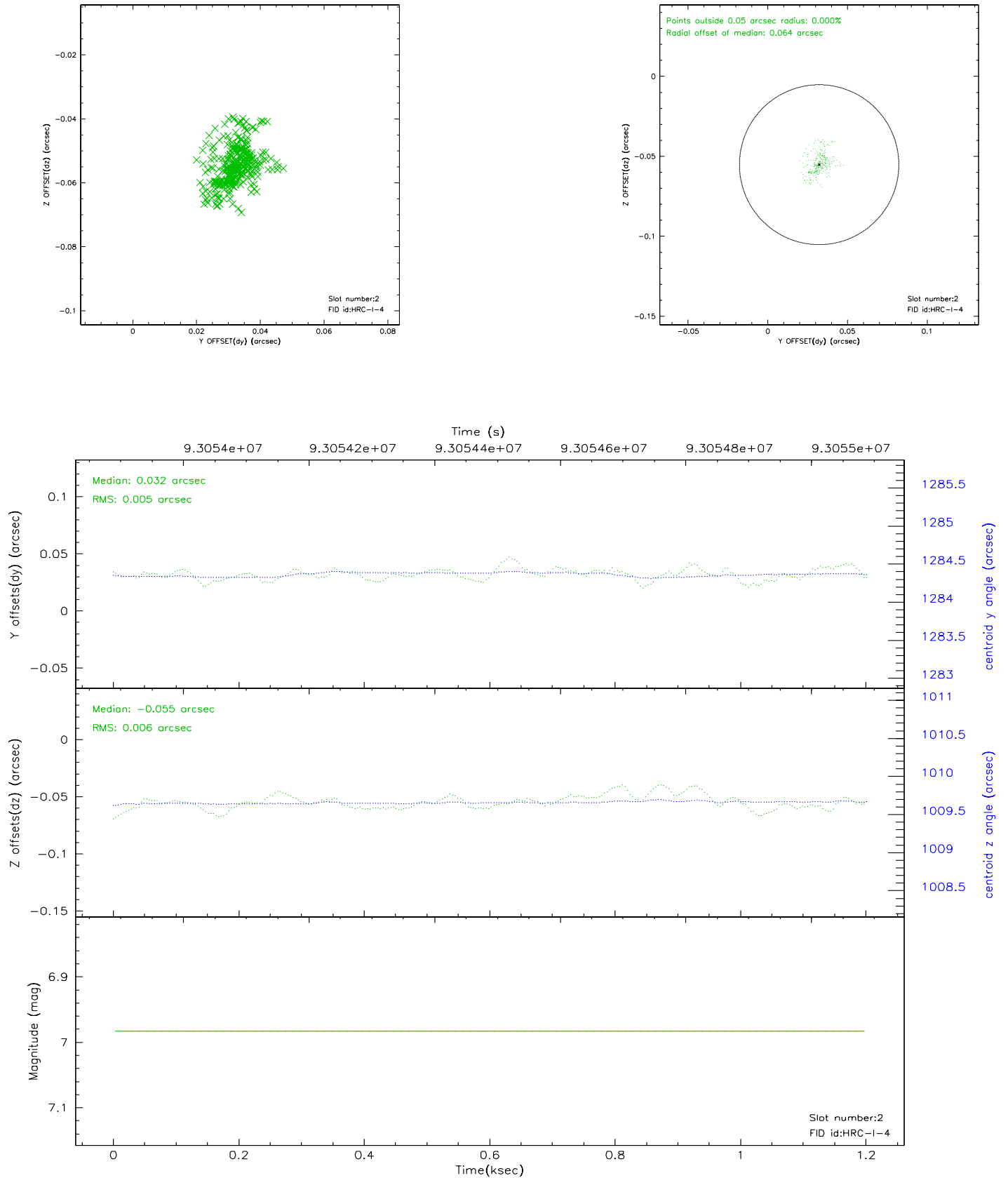
2.5.1 Slot 0



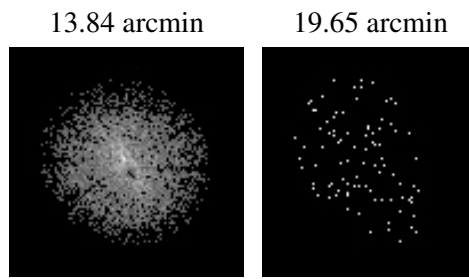
2.5.2 Slot 1



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	1.202

A.2 Comments

Source near the edge of the chip.

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.