

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2349 - L2 Version 4
Chandra X-Ray Center

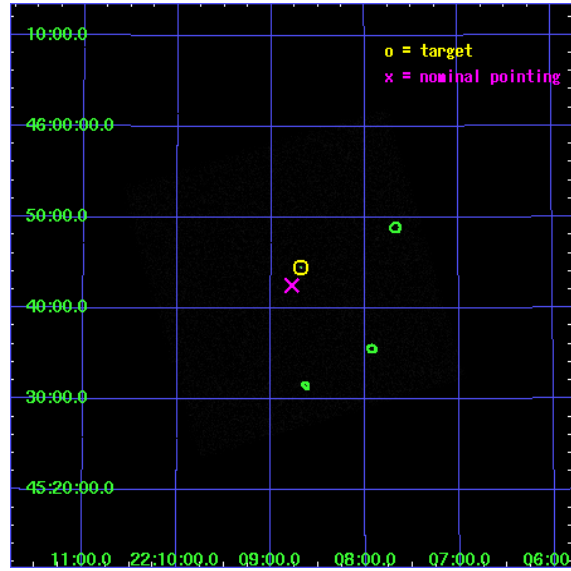
L2 Processing Date : Nov 20 2007

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

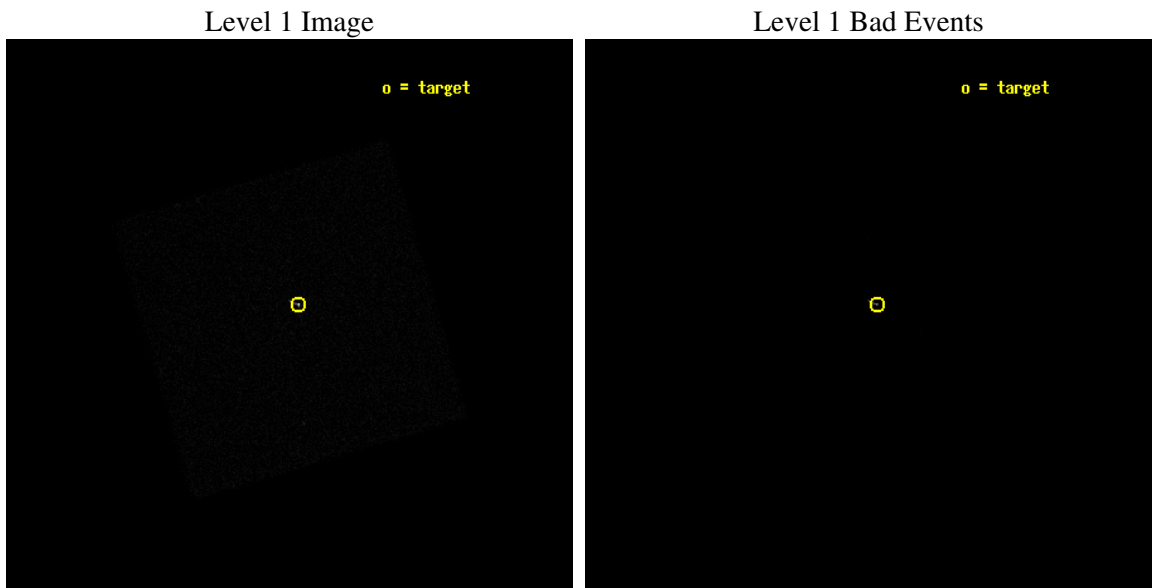
seq_num	290096
obs_id	2349
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC,HRC-I,AO2A
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.19468343333
dec_nom	45.70937319529
roll_nom	298.62656463945
revision	4
ontime	1188.2312954217
livetime	1182.436706051
l2events	33421



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	2007-11-21T04:04:29
revision	4

sched_exp_time	1000.000000
ontime	1188.2312954217
l1events	59541

2.1.3 Events

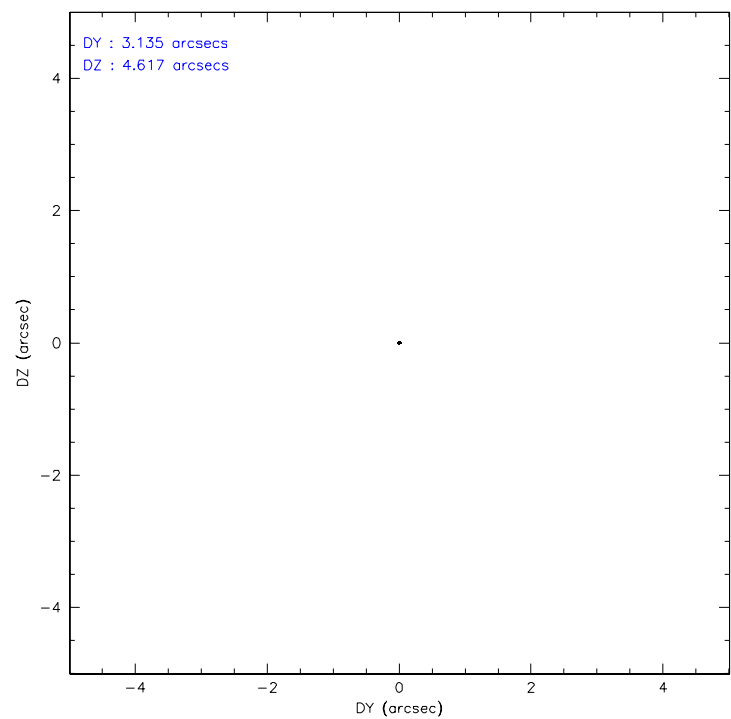
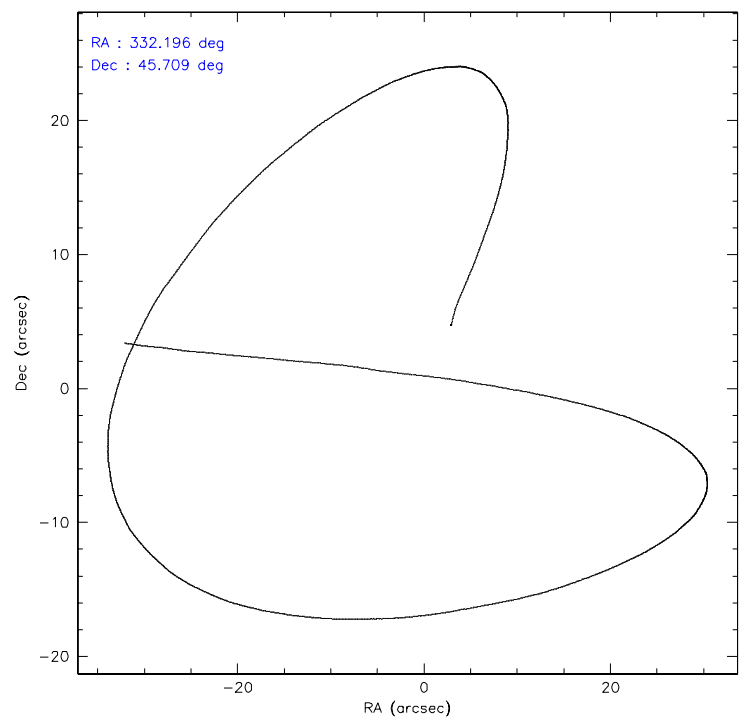
Level 1 Events

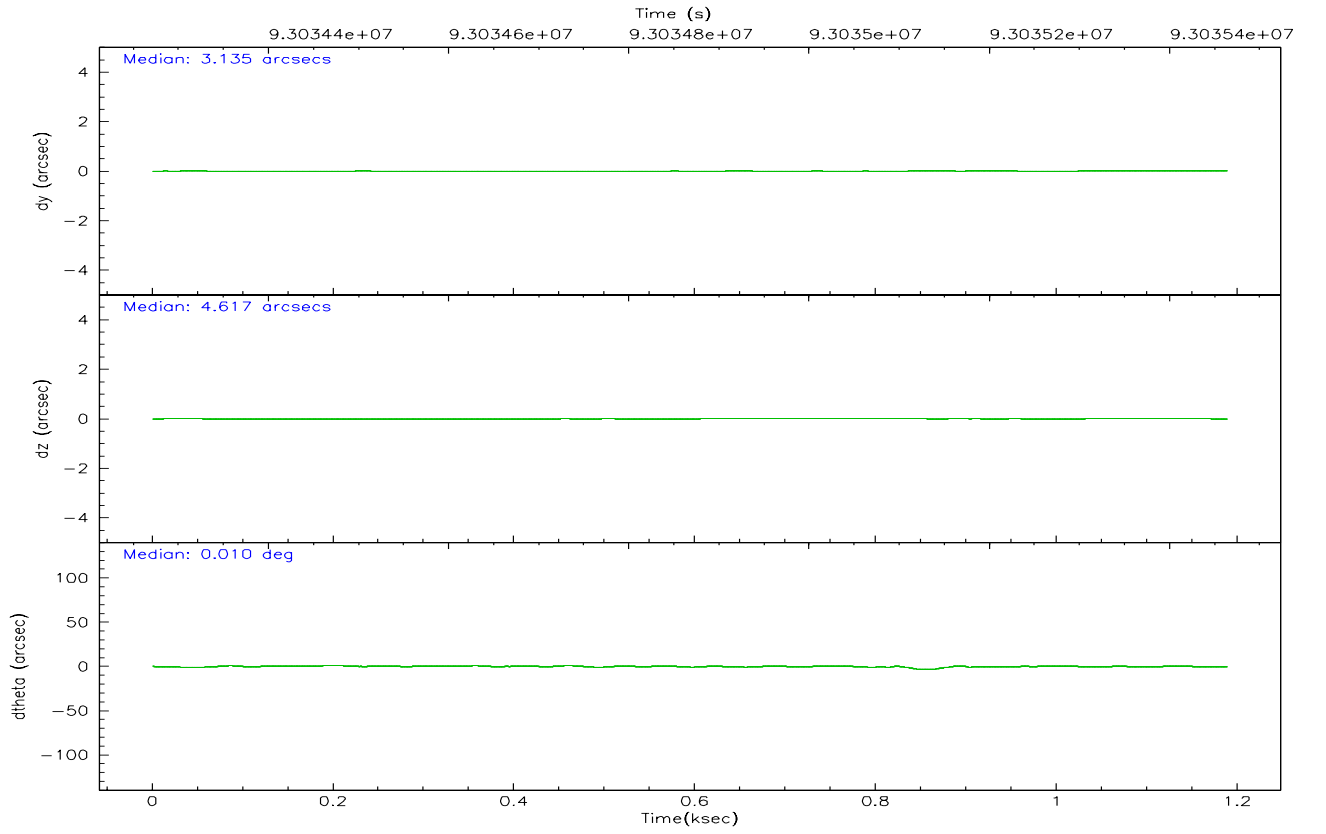
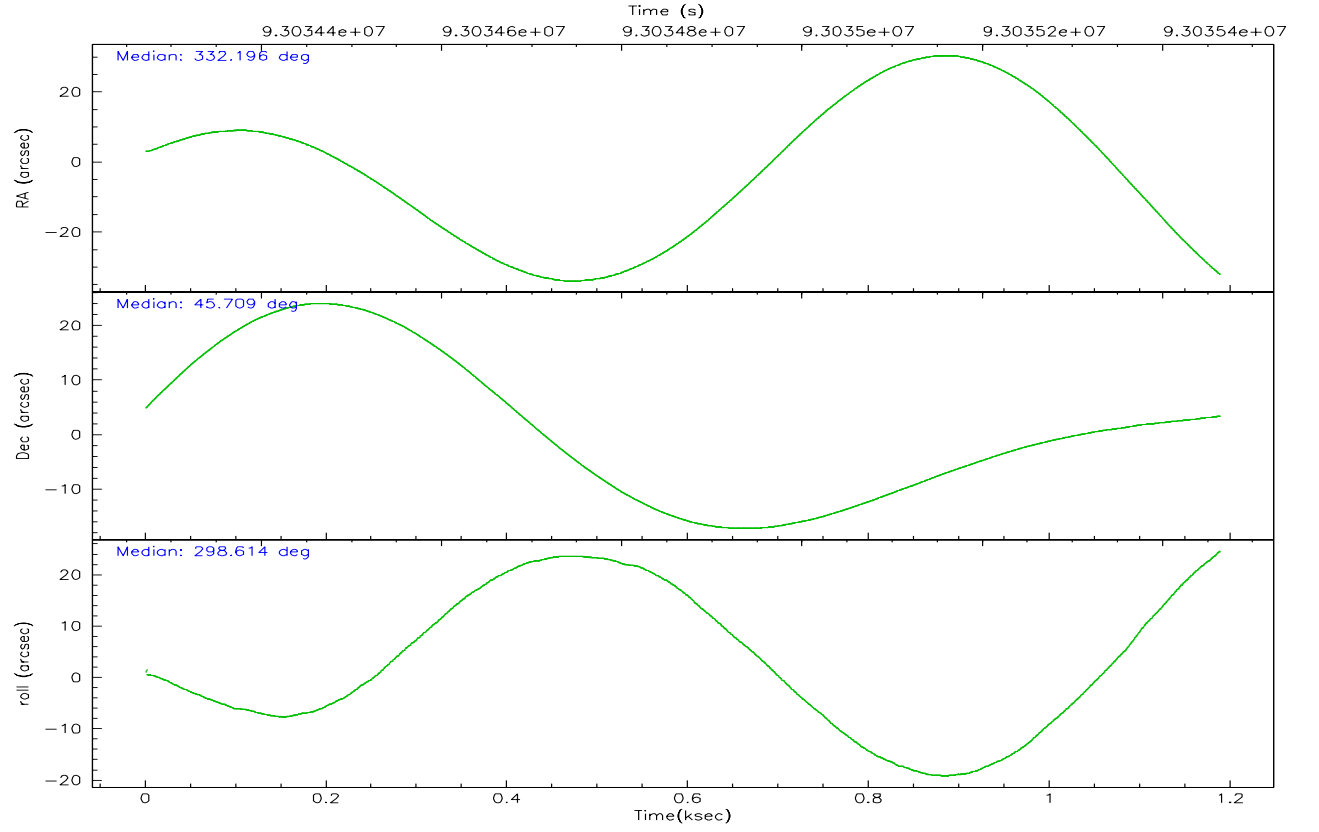
	segment 0
level 1 events	59541
rejected events	12684
rejected %	21%

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	332.159963	332.1946834333344			
Pointing Dec	45.722503	45.70937319528956			
Pointing Roll	298.746895	298.6265646394479			
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	93034461.184000	93034085.162742			
Observation start date	2000-12-12T18:53:17	2000-12-12T18:48:05			
Observation end time	93035461.184000	93035594.9878			
Observation end date	2000-12-12T19:09:57	2000-12-12T19:13:14			

2.3 Aspect



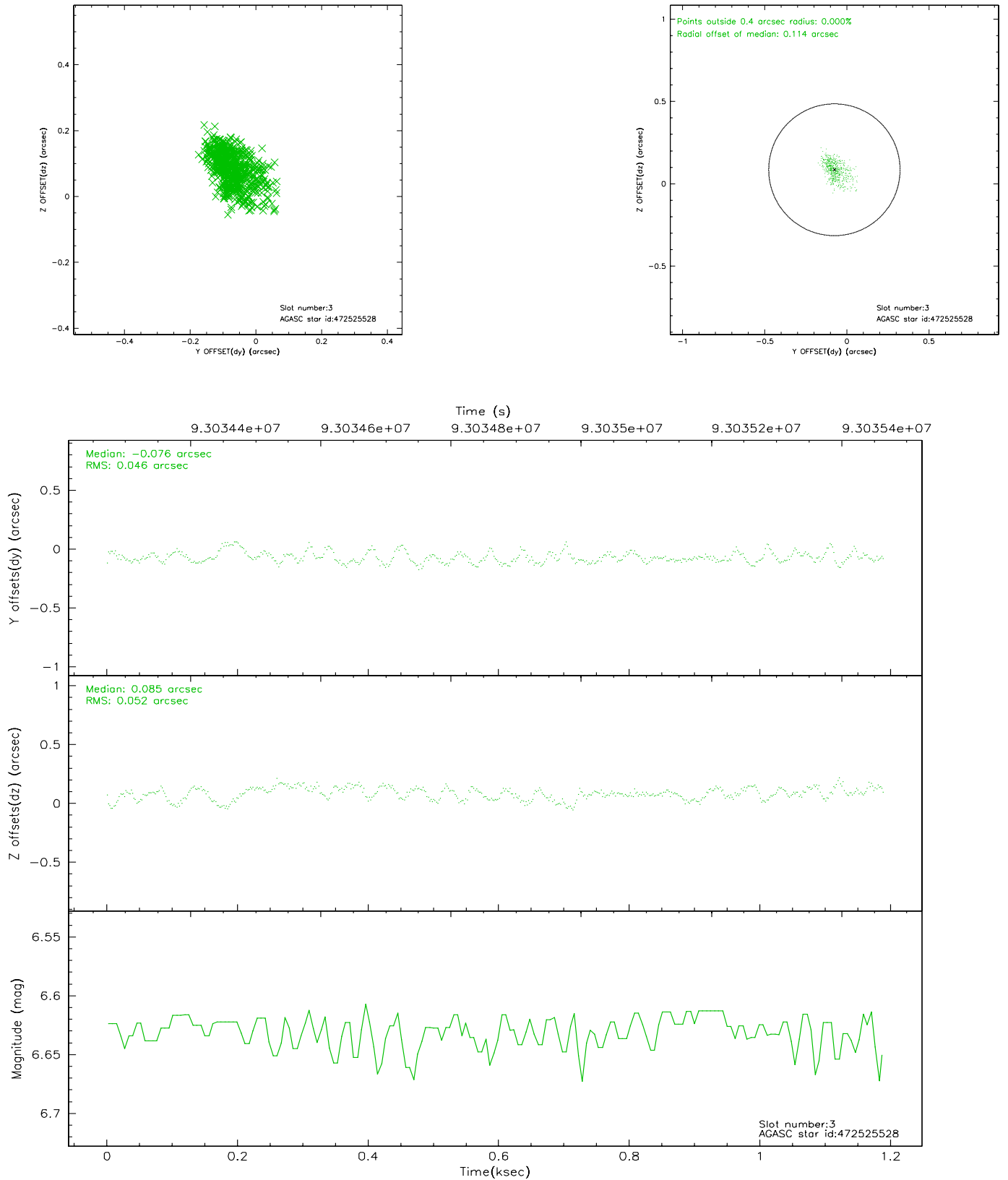


Slot Statistics

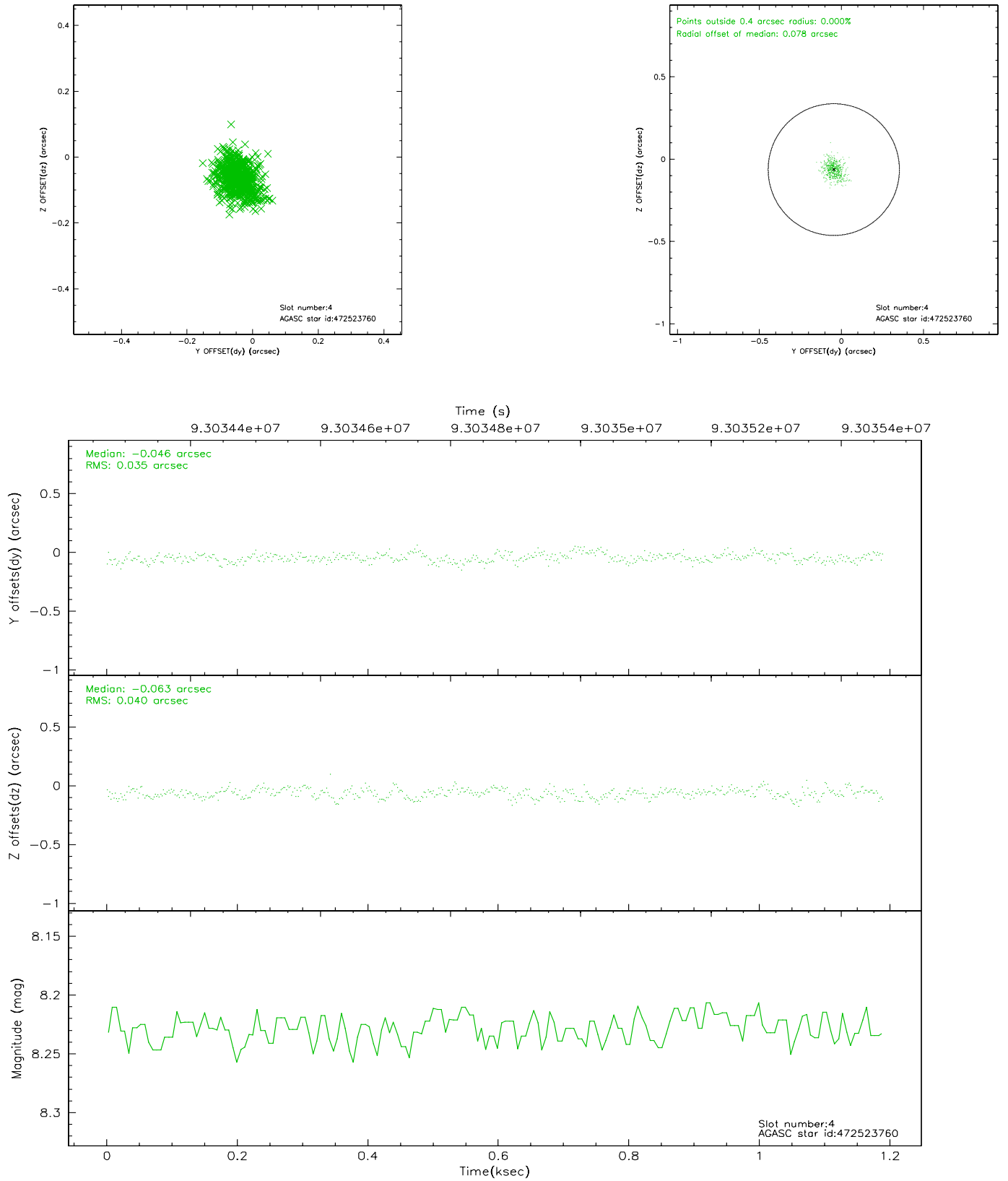
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	290	0.043	0.027	0.005	0.009	0.000000	0.000000	-758.60	-1292.40
1	FID	HRC-I-2	7.01	290	0.083	-0.056	0.007	0.012	0.000000	0.000000	851.46	-1298.54
2	FID	HRC-I-4	6.99	290	-0.011	-0.063	0.005	0.010	0.000000	0.000000	1287.12	1005.16
3	GUIDE	472525528	6.63	581	-0.076	0.085	0.072	0.123	331.551102	45.248694	749.08	-2174.78
4	GUIDE	472523760	8.23	581	-0.046	-0.063	0.056	0.093	331.645363	45.403260	380.51	-1699.36
5	GUIDE	472665256	9.01	581	-0.072	-0.039	0.085	0.136	332.808125	46.195041	-719.82	2229.82
6	GUIDE	420754040	9.10	581	0.150	-0.068	0.101	0.162	331.917939	44.882543	2353.35	-1995.36
7	GUIDE	472659832	9.47	579	0.038	0.102	0.097	0.151	332.780399	46.098139	-441.84	2003.25

2.4 Star Slots

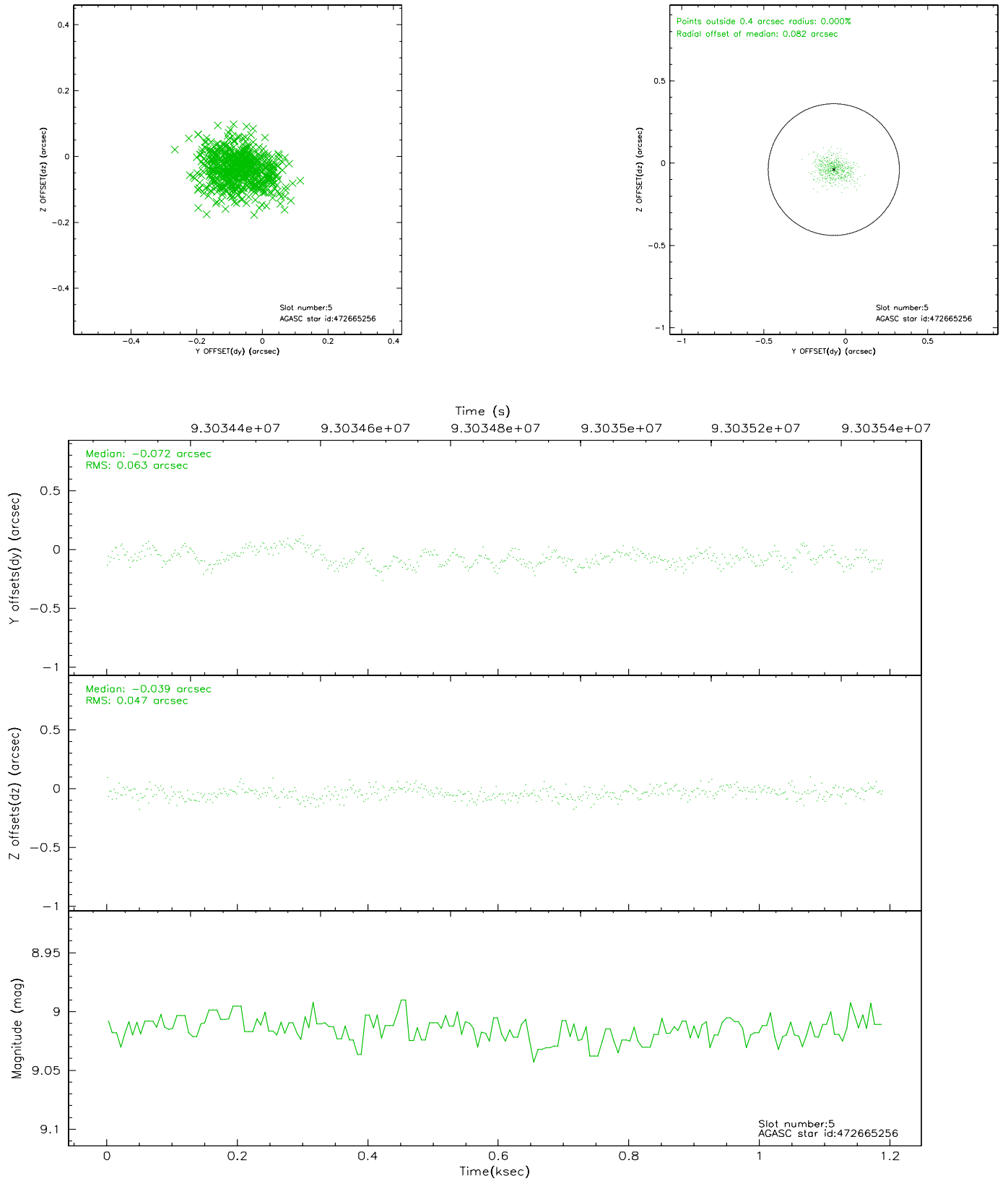
2.4.1 Slot 3



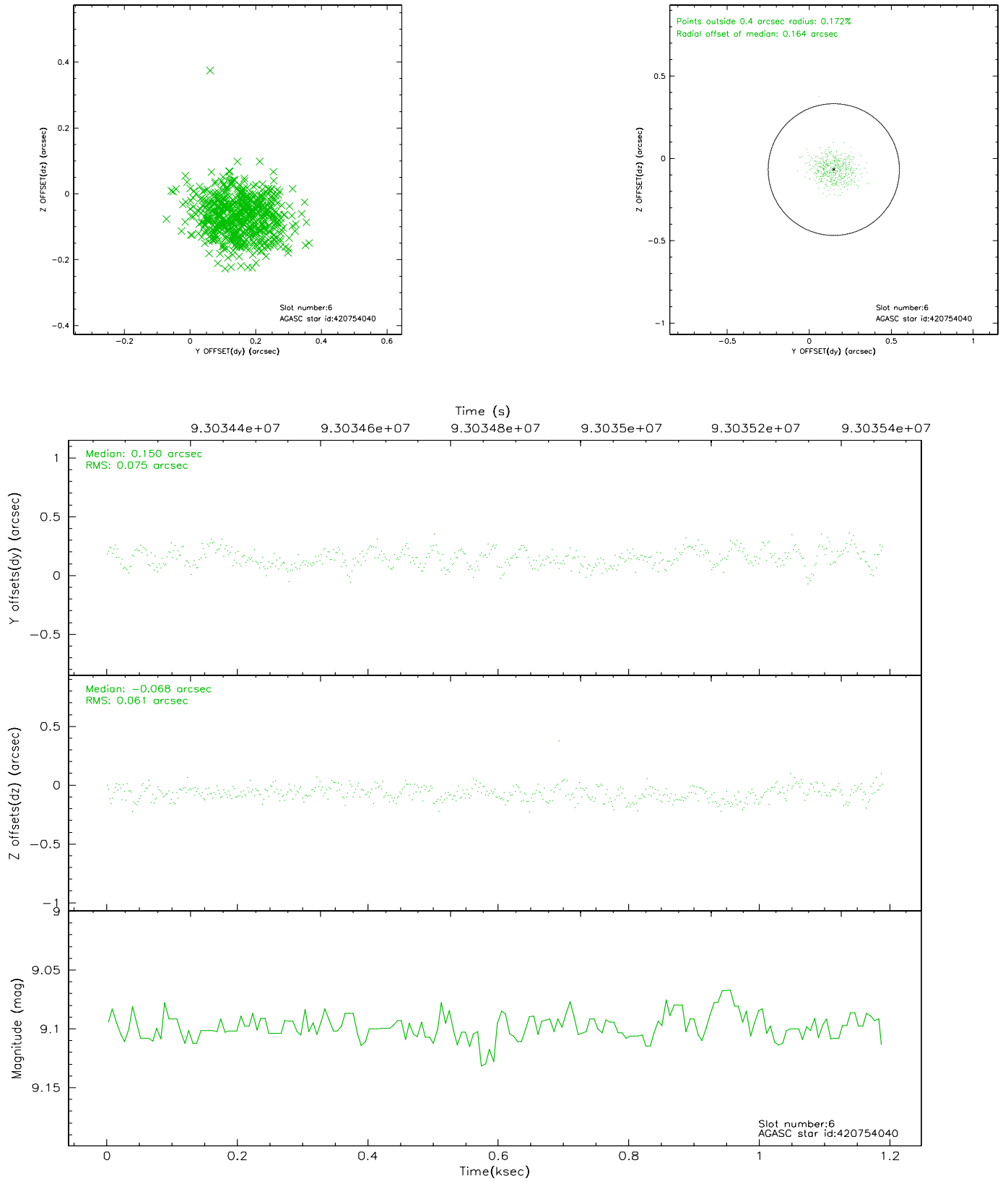
2.4.2 Slot 4



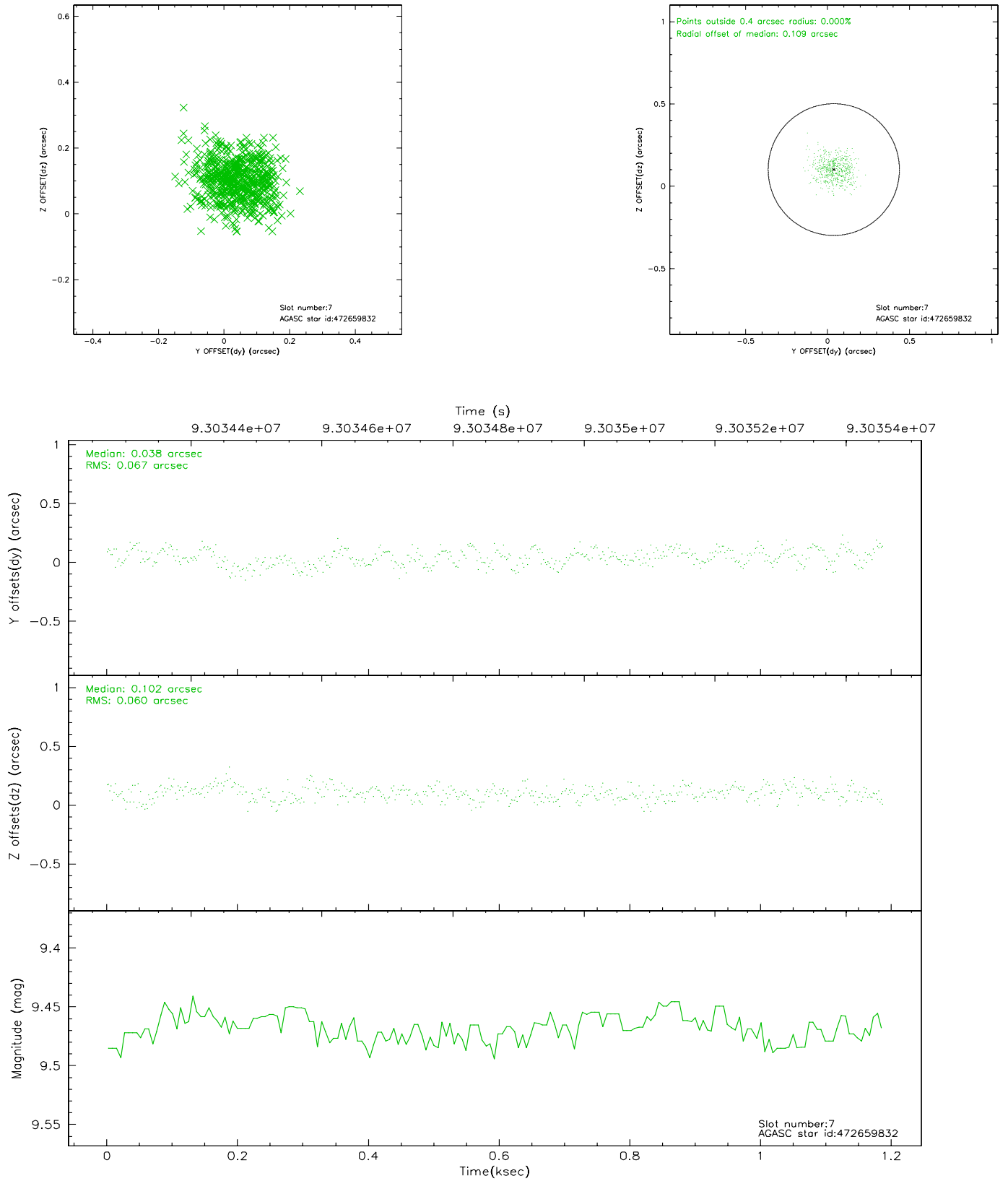
2.4.3 Slot 5



2.4.4 Slot 6

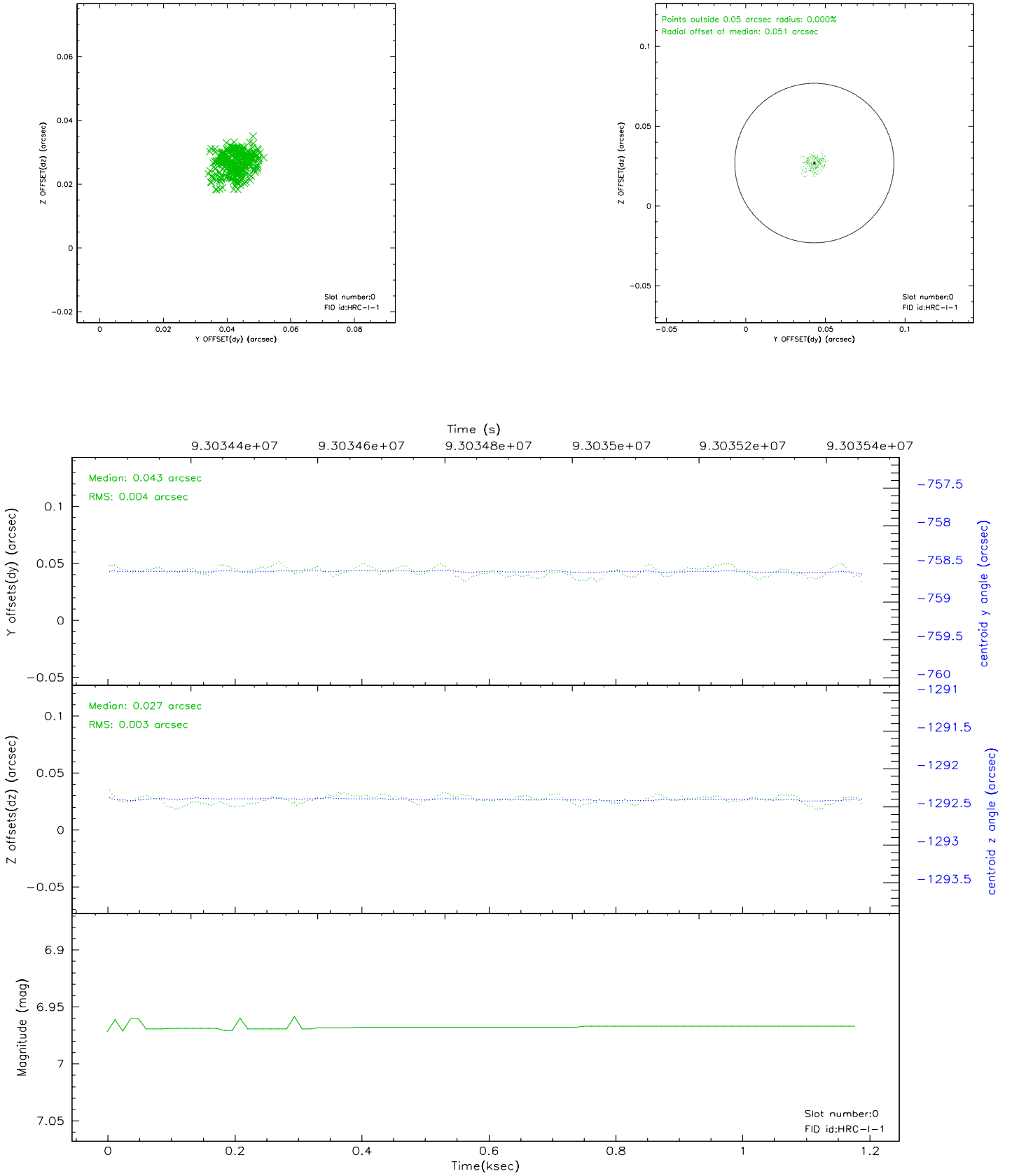


2.4.5 Slot 7

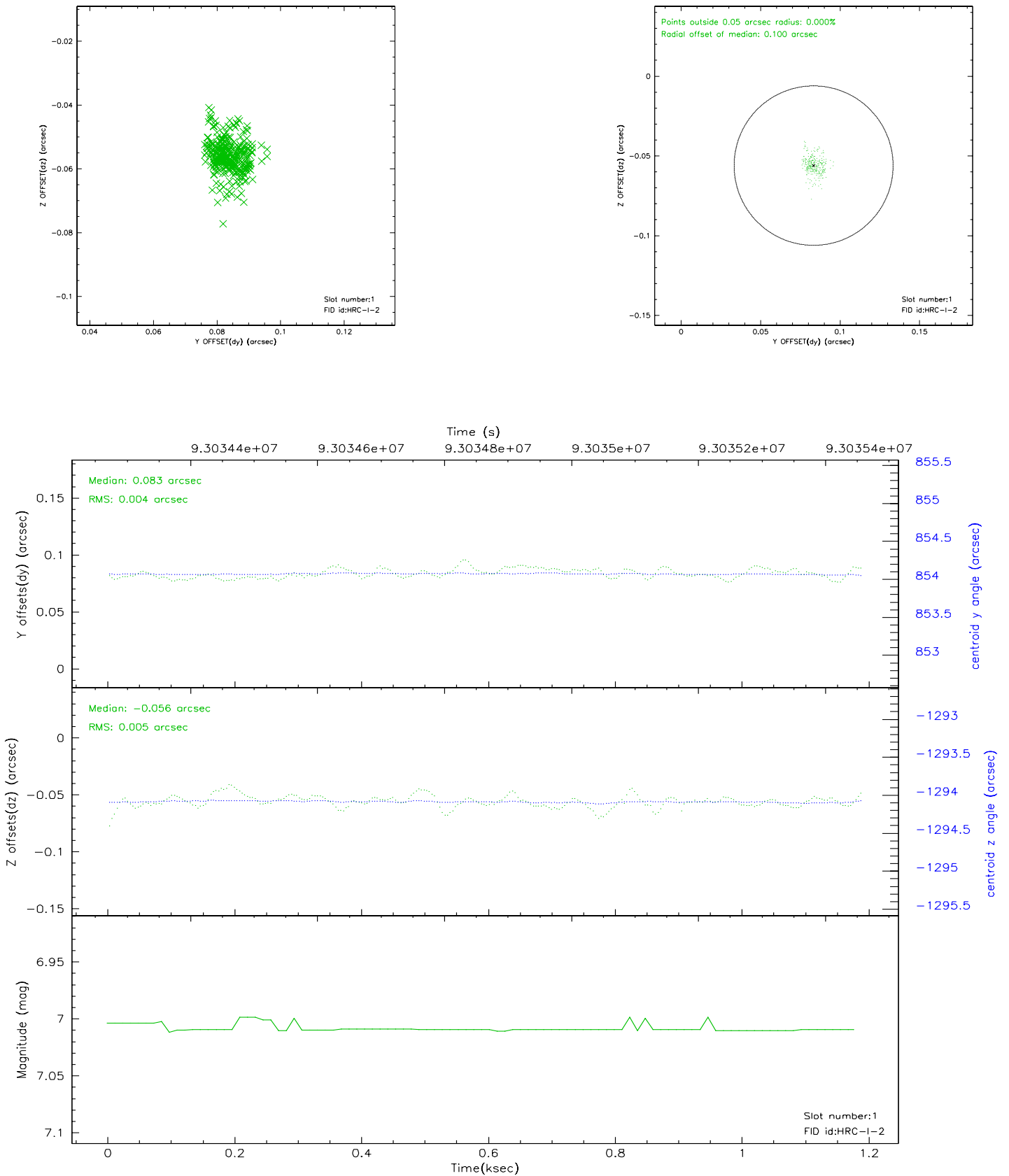


2.5 FID Slots

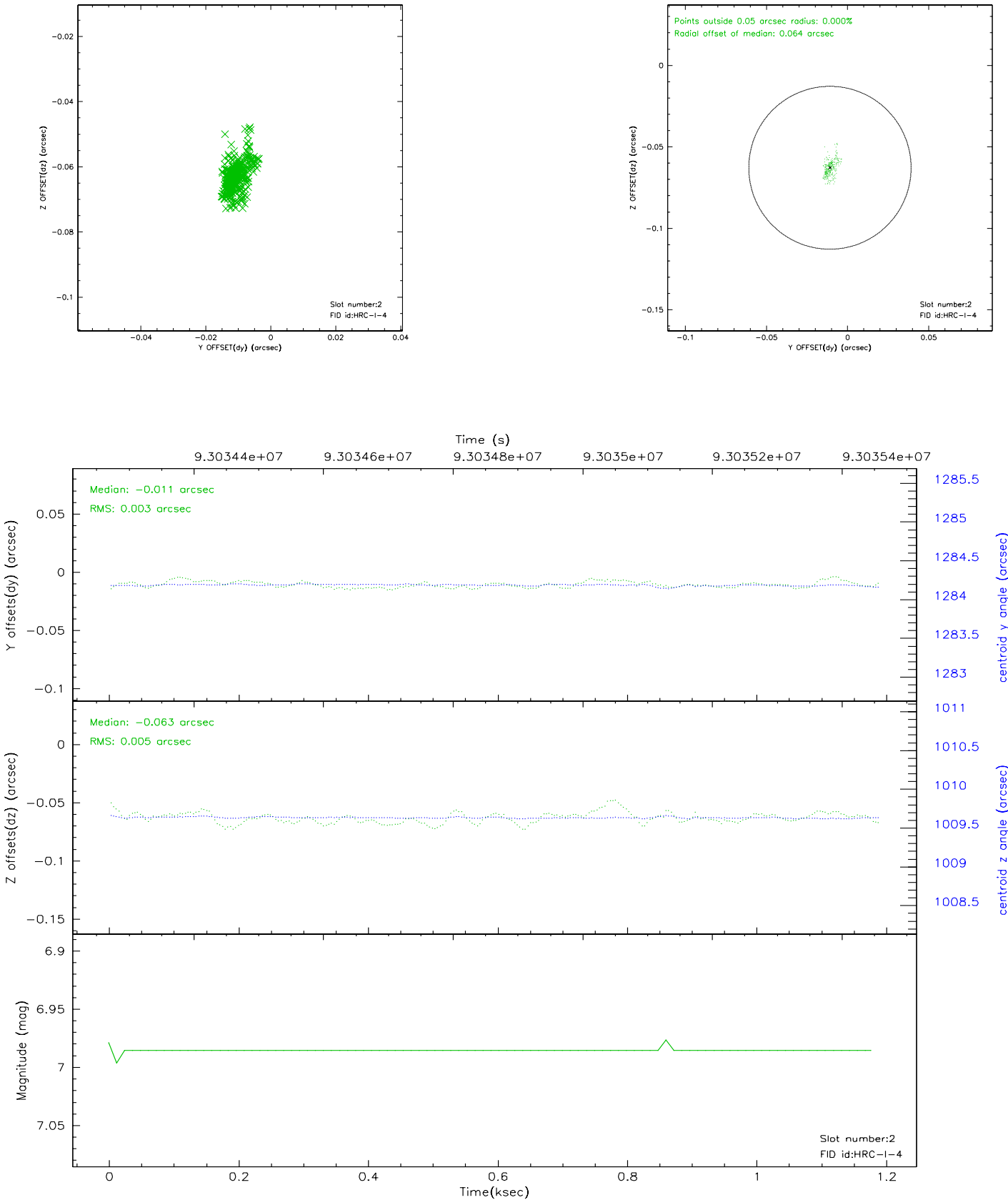
2.5.1 Slot 0



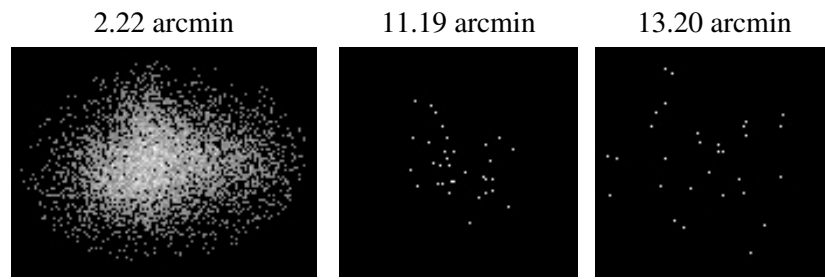
2.5.2 Slot 1



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	1.188

A.2 Comments

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.