

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1496 - L2 Version 5

Chandra X-Ray Center

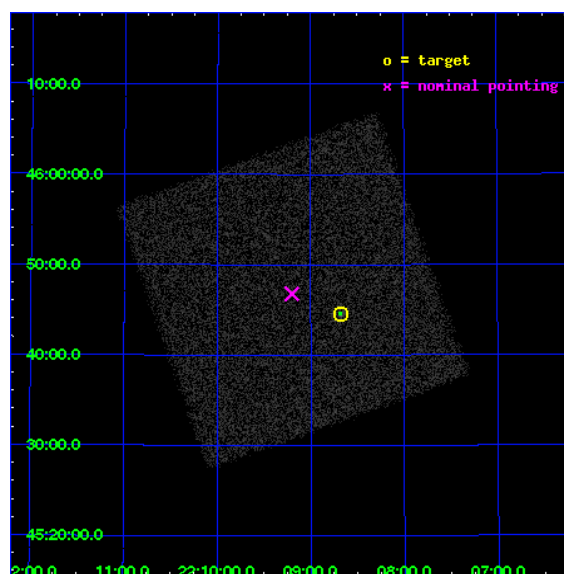
L2 Processing Date : Nov 25 2009

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

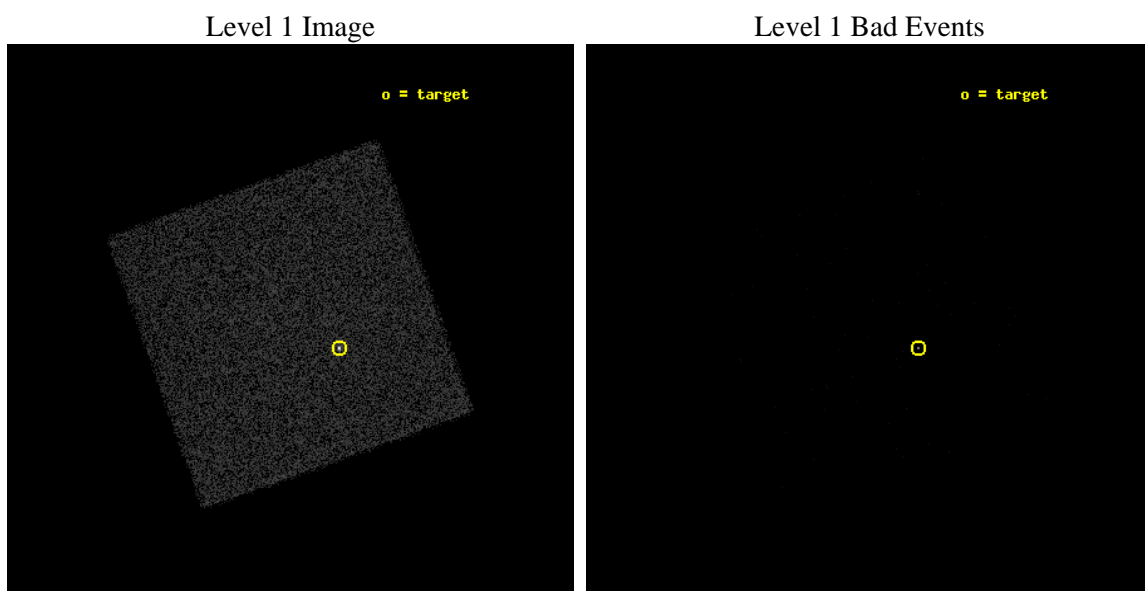
seq_num	280446	Sequence number
obs_id	1496	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.30039915566	Nominal RA
dec_nom	45.779760922934	Nominal Dec
roll_nom	295.40750858642	Nominal Roll
revision	5	Processing version of data
ontime	1214.8812939748	[s]
livetime	1207.1225108338	Ontime multiplied by DTCOR
l2events	39799	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	1214.8812939748	[s]
caldbver	4.1.4	 	l1events	61390	Number of level 1 events
date	2009-11-25T11:44:51	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

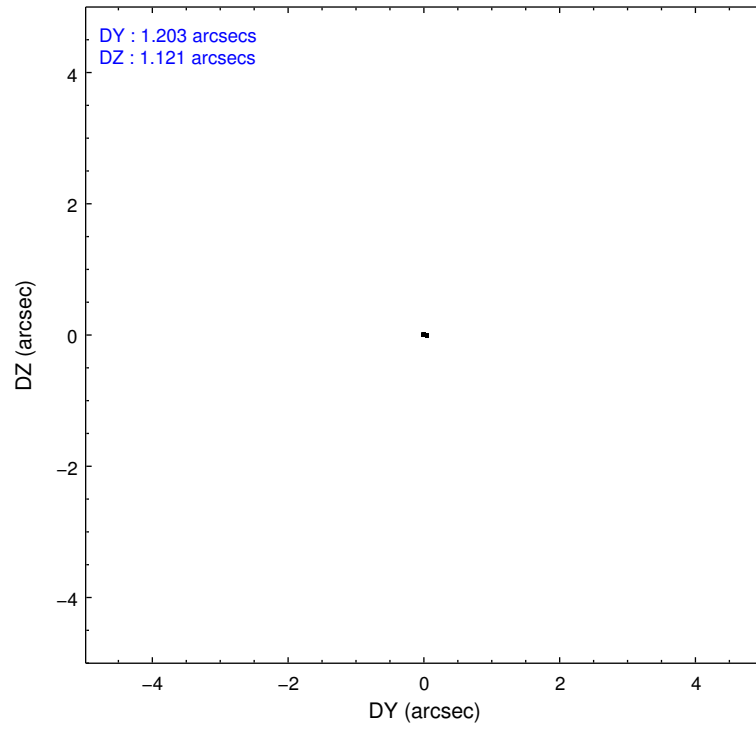
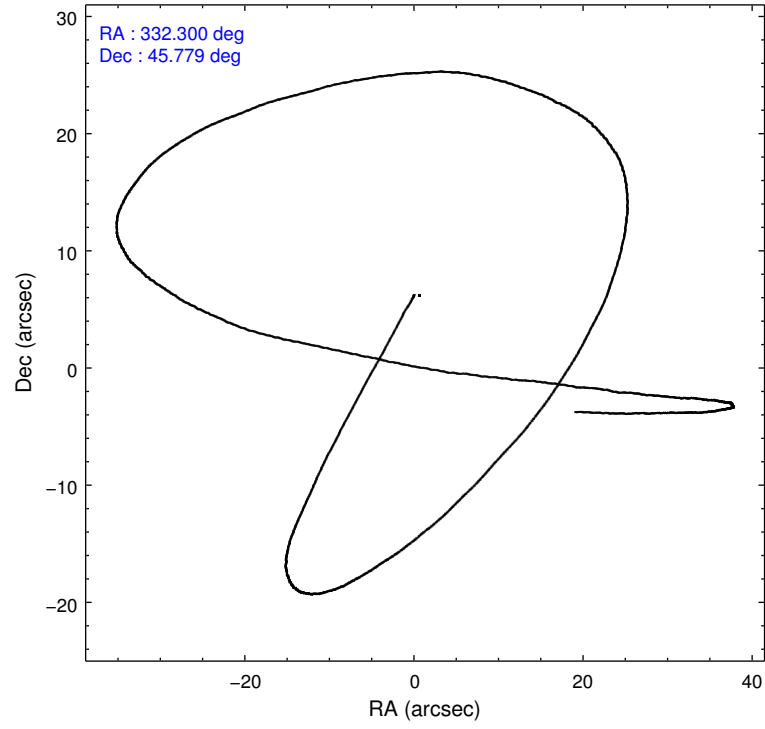
Level 1 Events

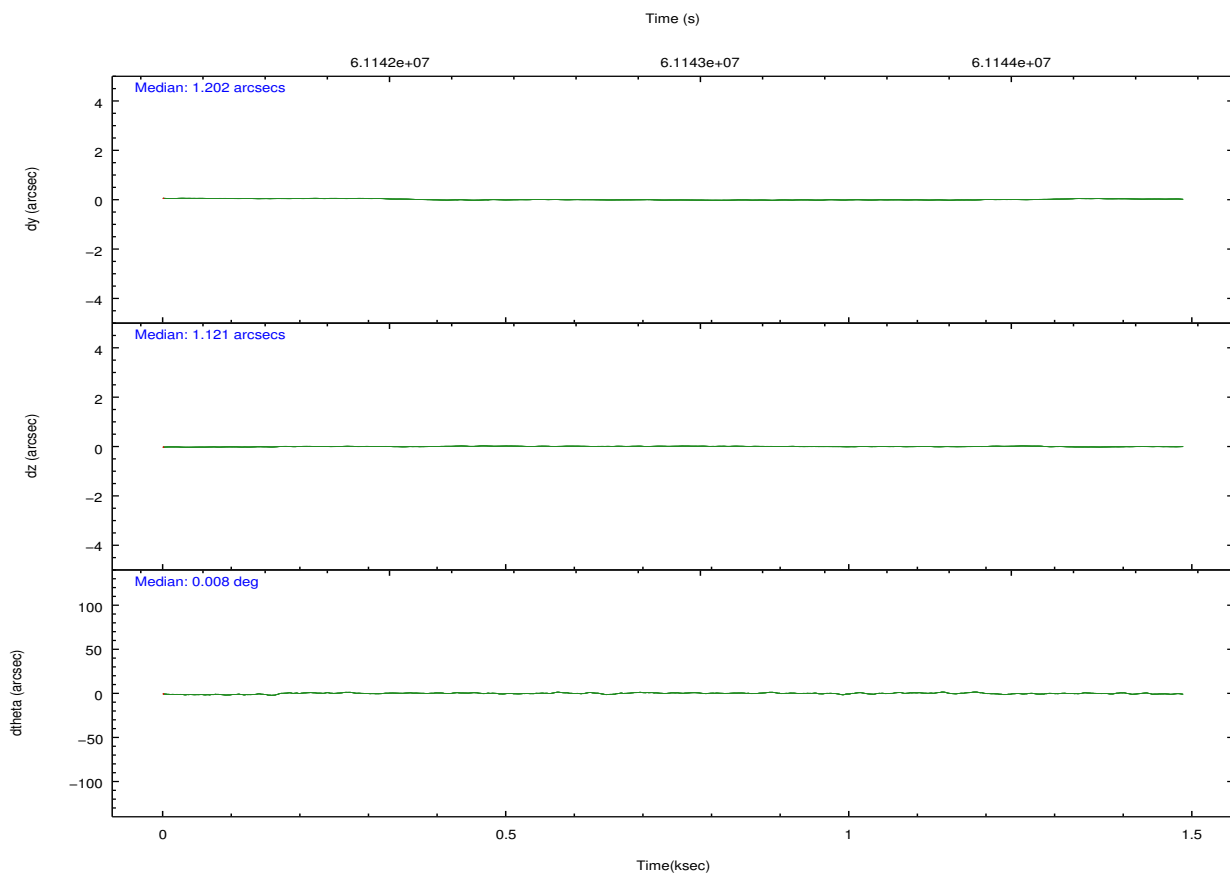
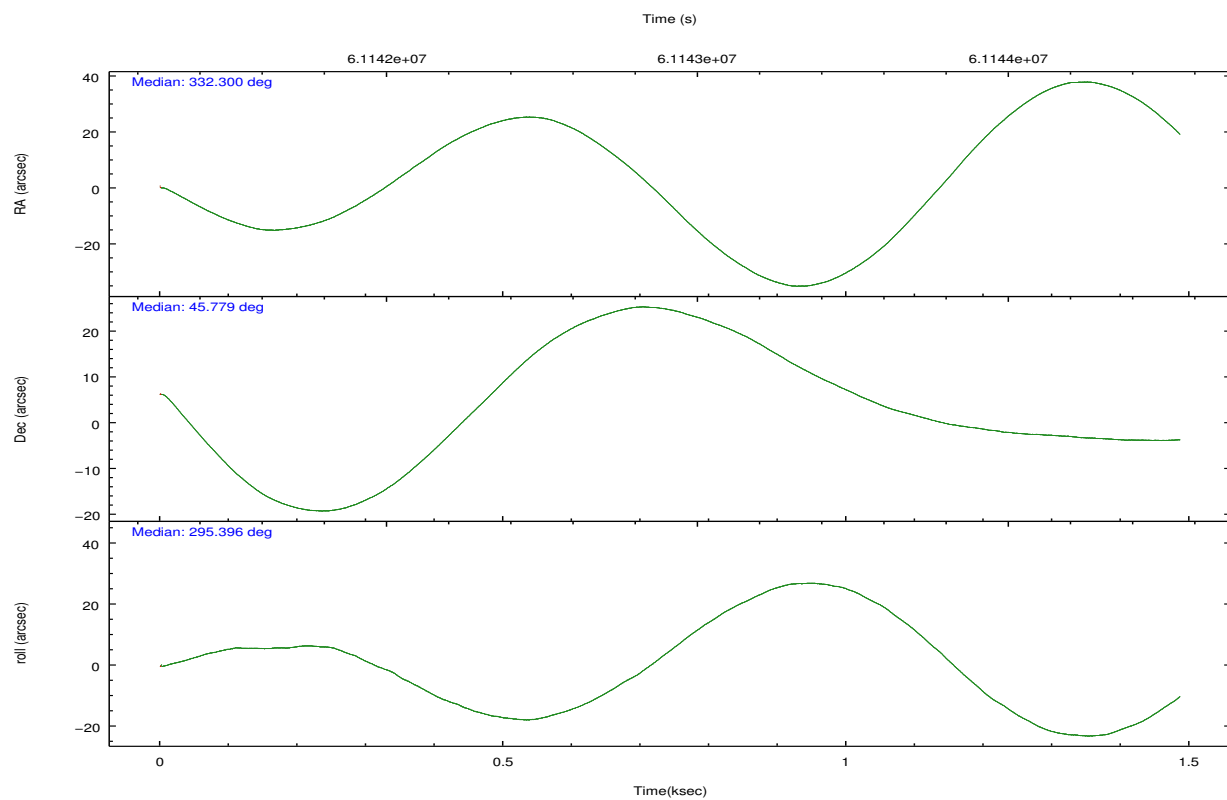
	segment 0
level 1 events	61390
rejected events	2461
rejected %	4%

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	332.267208	332.3003991556552			
Pointing Dec	45.796131	45.77976092293369			
Pointing Roll	295.526791	295.4075085864171			
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	61142699.184000	61142033.027986			
Observation start date	1999-12-09T16:03:55	1999-12-09T15:53:53			
Observation end time	61143699.184000	61143832.928051			
Observation end date	1999-12-09T16:20:35	1999-12-09T16:23:52			

2.3 Aspect



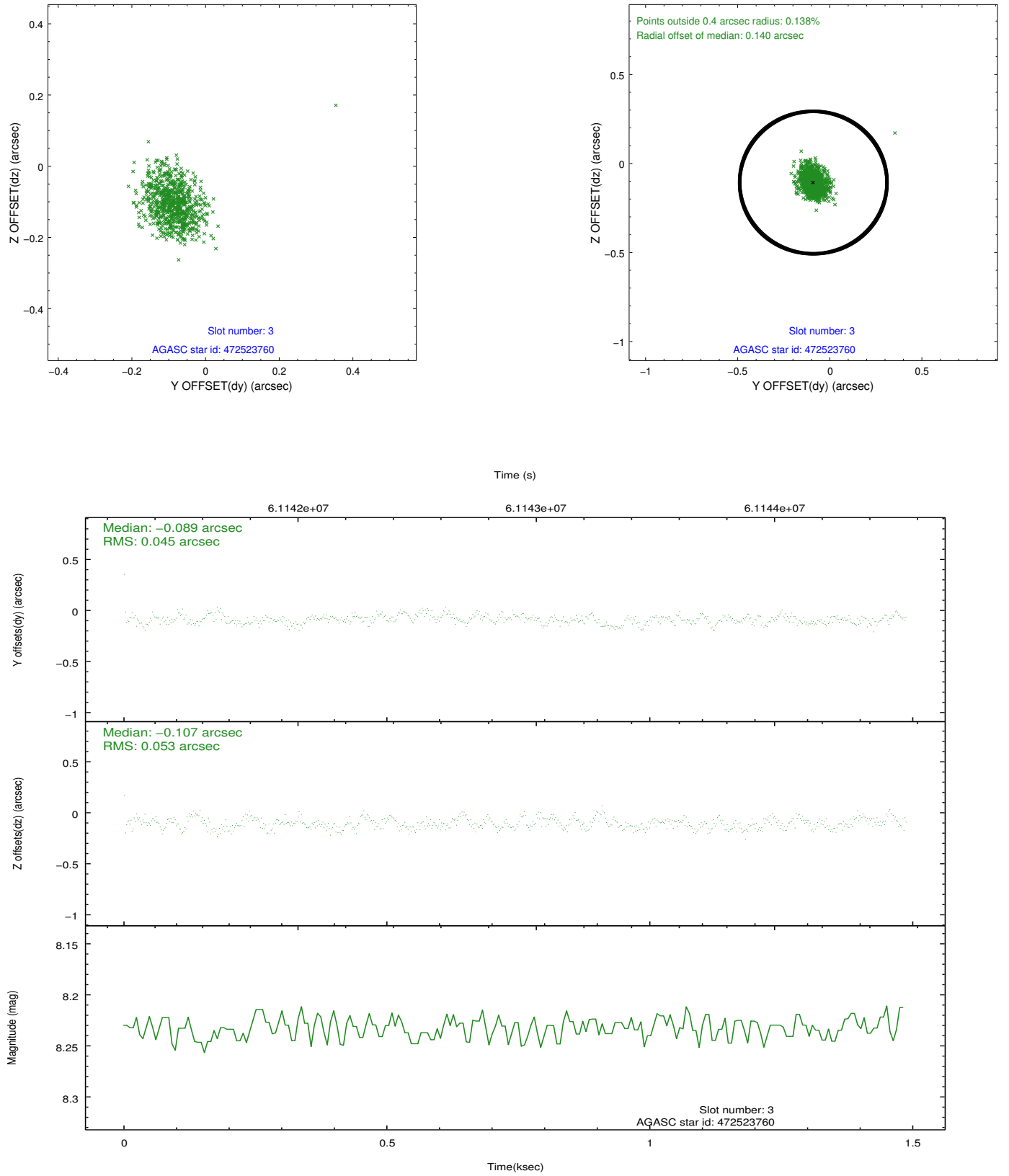


Slot Statistics

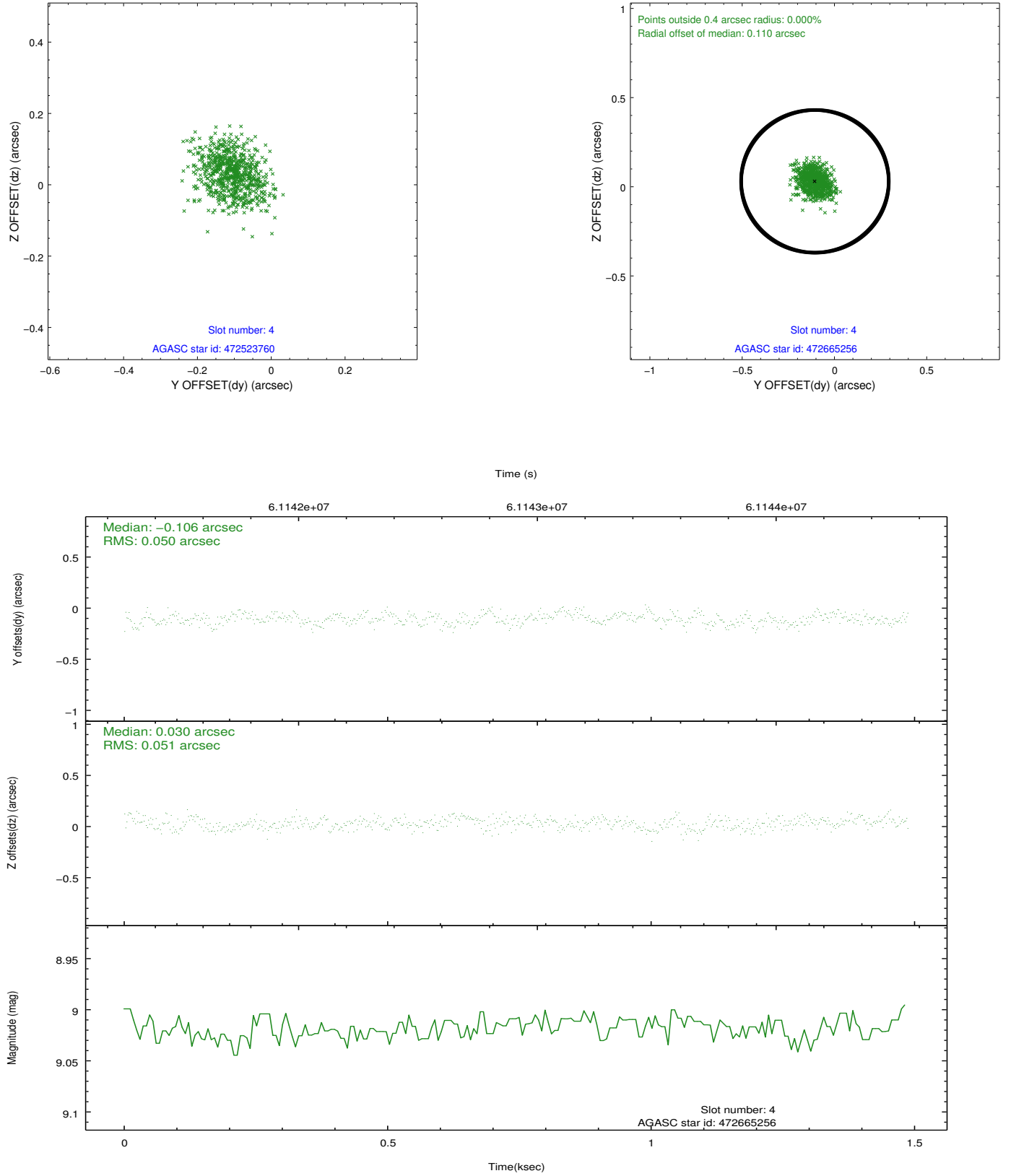
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	726	0.018	-0.046	0.008	0.015	0.000000	0.000000	-756.62	-1288.90
1	FID	HRC-I-3	7.04	726	0.046	-0.035	0.009	0.019	0.000000	0.000000	-1186.13	1013.90
2	FID	HRC-I-4	6.99	726	0.051	-0.010	0.007	0.014	0.000000	0.000000	1284.56	1014.72
3	GUIDE	472523760	8.23	726	-0.089	-0.107	0.071	0.110	331.645363	45.403260	590.69	-2025.05
4	GUIDE	472665256	9.02	726	-0.106	0.030	0.077	0.121	332.808125	46.195041	-721.95	1834.41
5	GUIDE	472659832	9.46	726	0.006	0.117	0.092	0.149	332.780399	46.098139	-437.20	1629.02
6	GUIDE	472654568	9.44	726	0.082	-0.027	0.125	0.198	332.194449	45.063576	2296.65	-1300.59
7	GUIDE	472655704	9.48	725	0.100	-0.015	0.094	0.154	332.167195	45.285228	1550.81	-1022.48

2.4 Star Slots

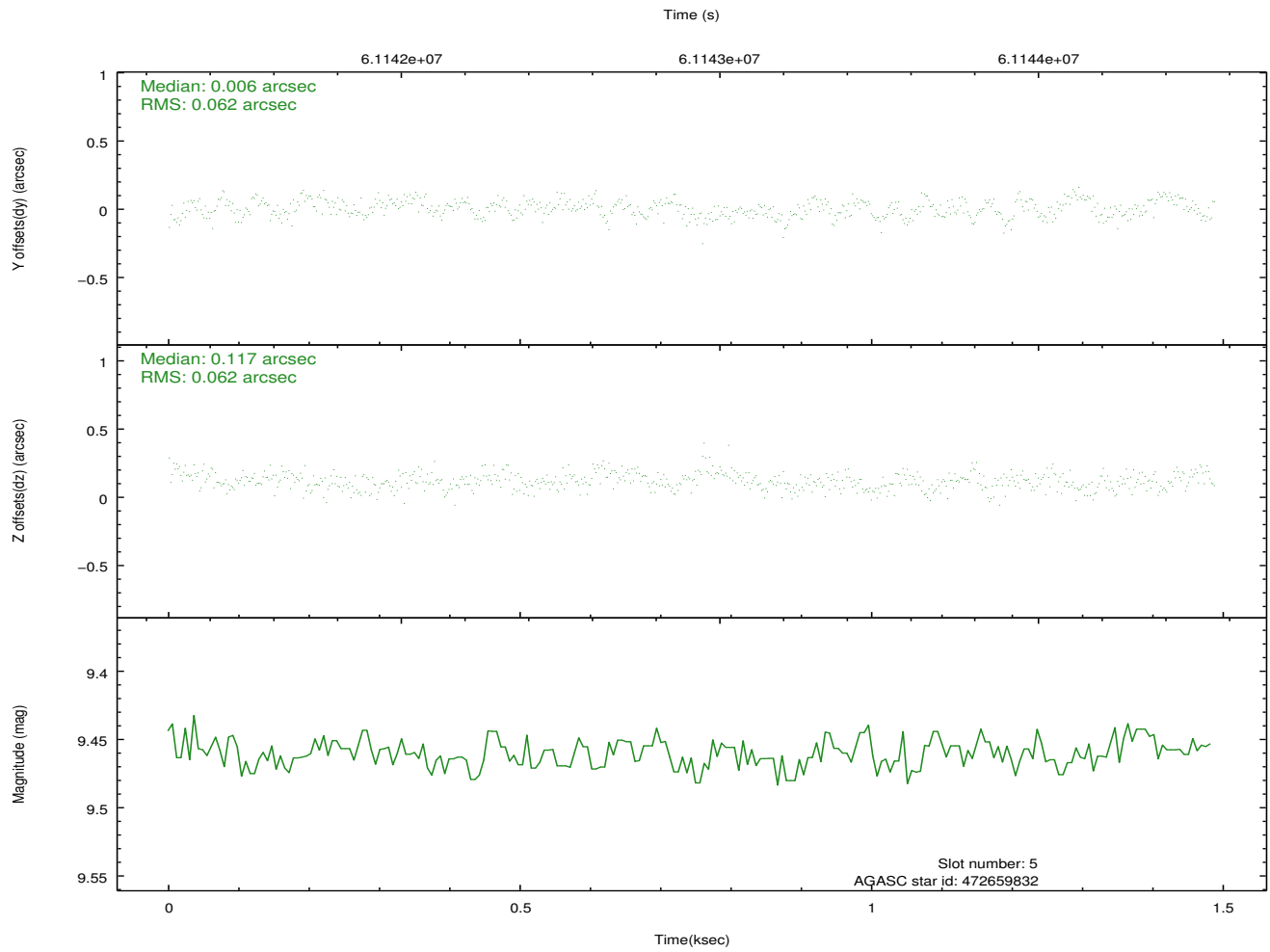
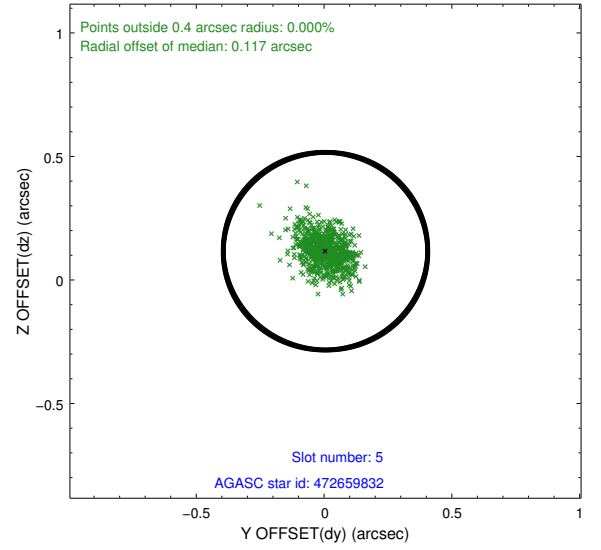
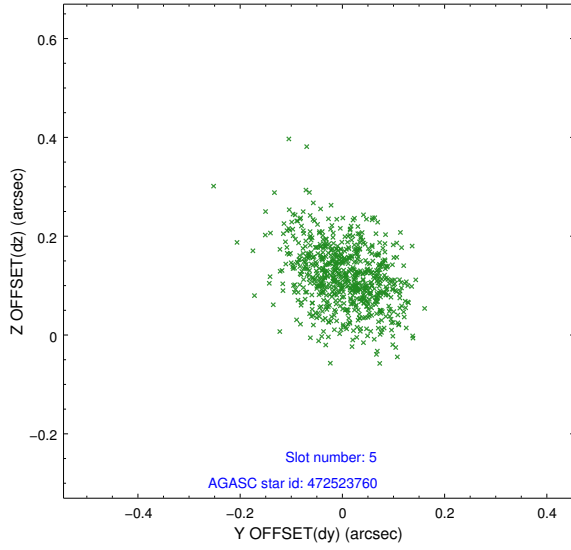
2.4.1 Slot 3



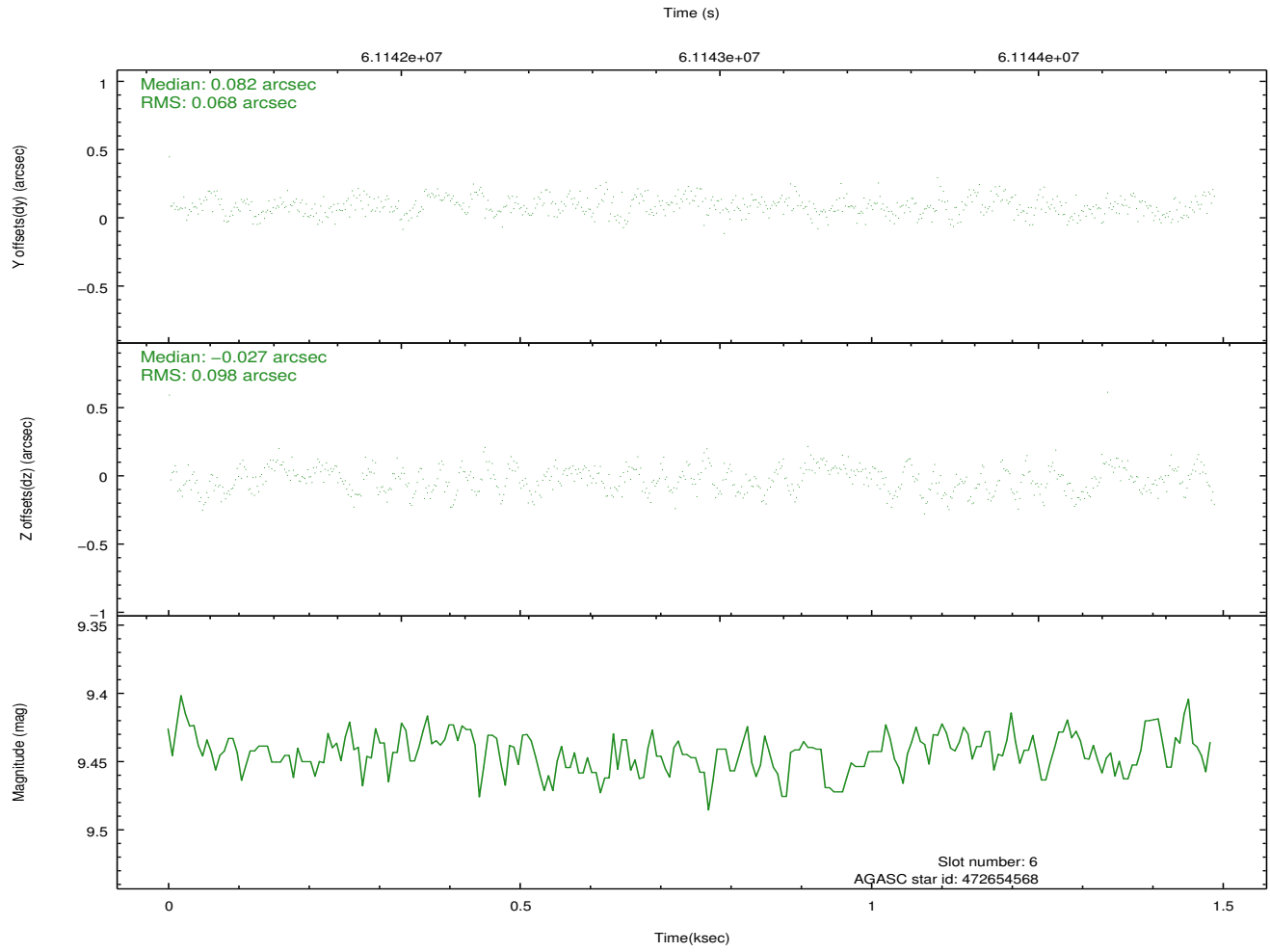
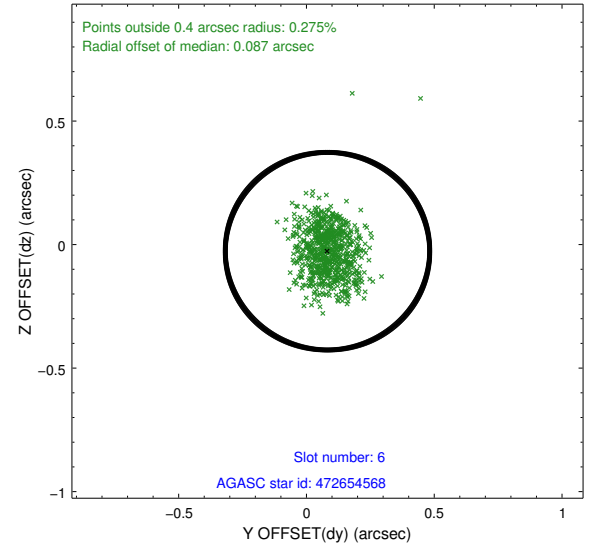
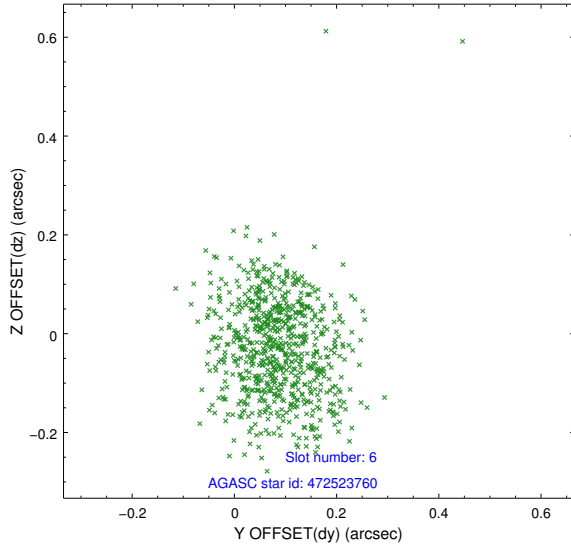
2.4.2 Slot 4



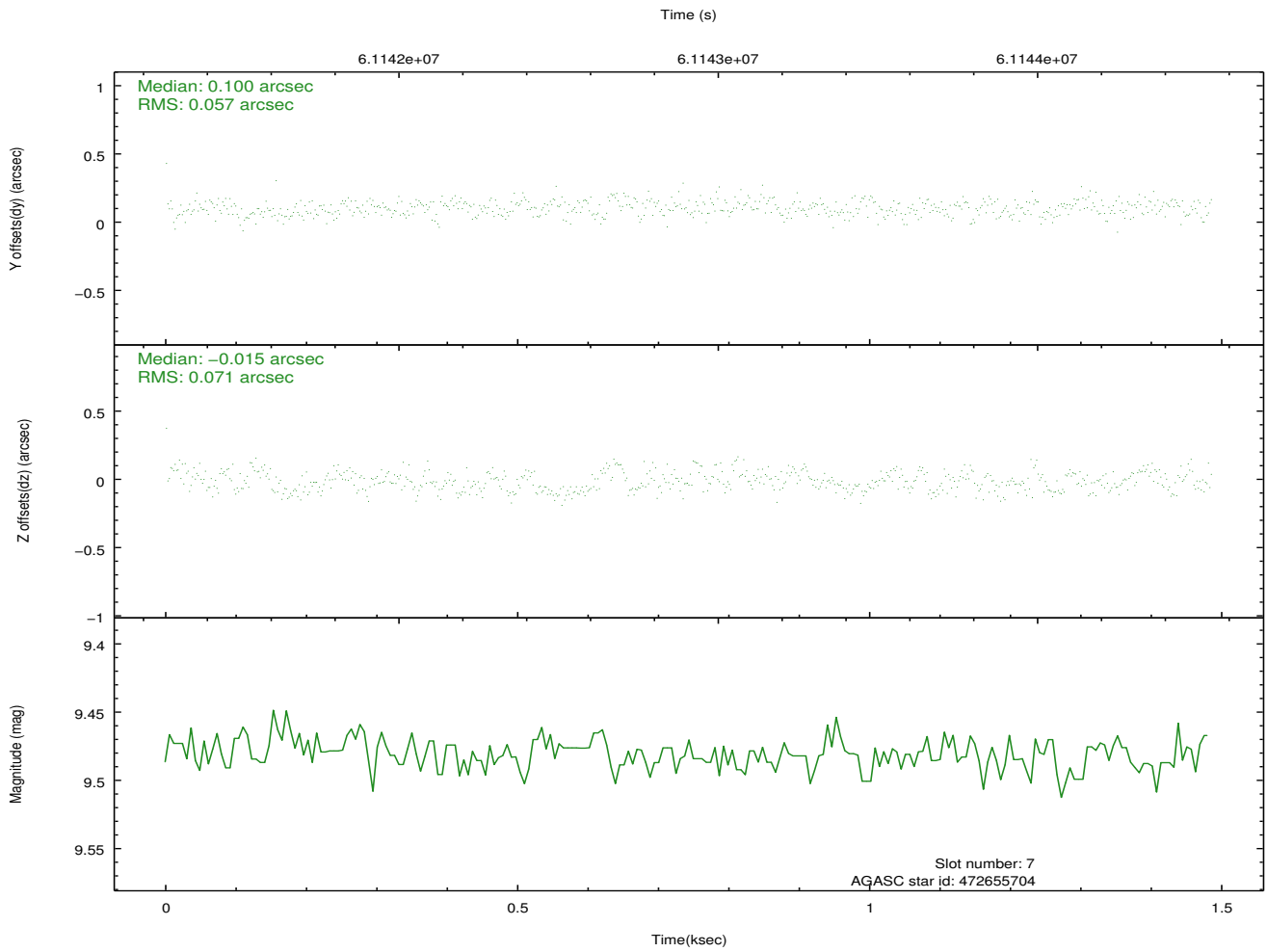
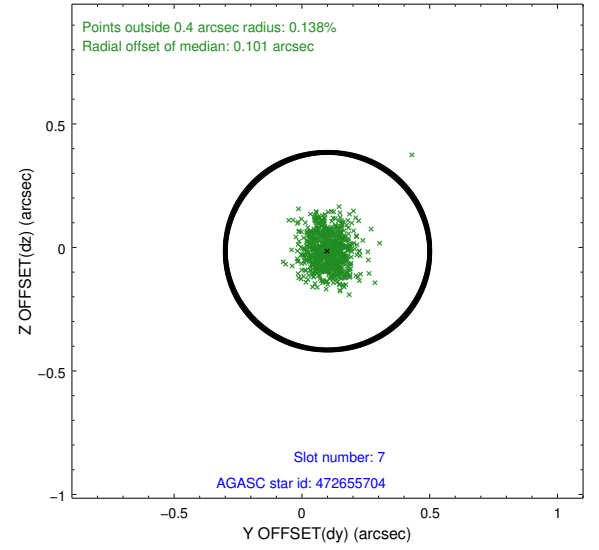
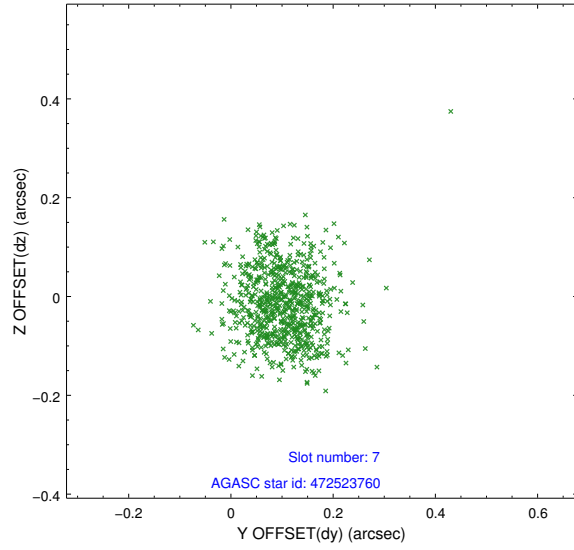
2.4.3 Slot 5



2.4.4 Slot 6

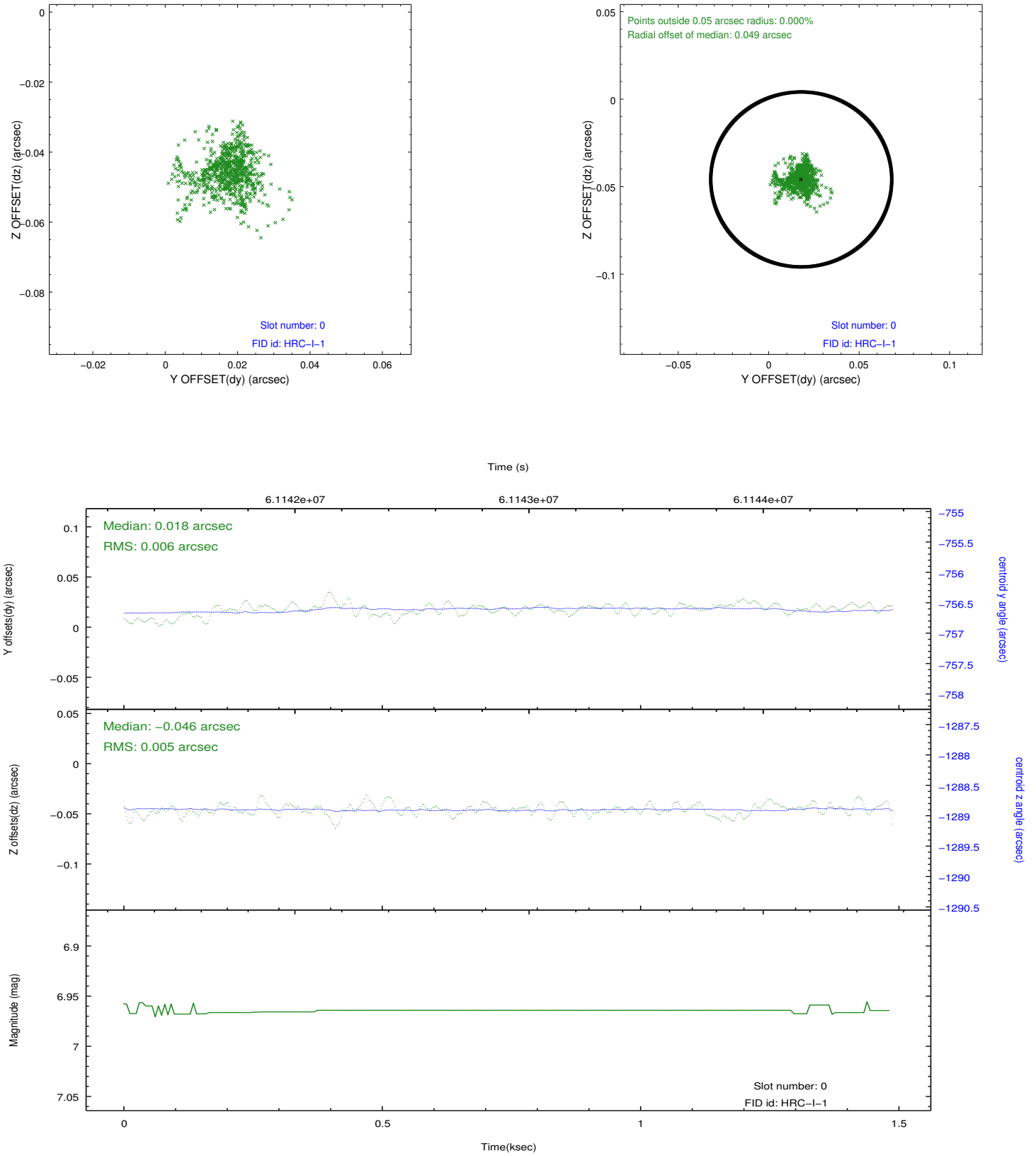


2.4.5 Slot 7

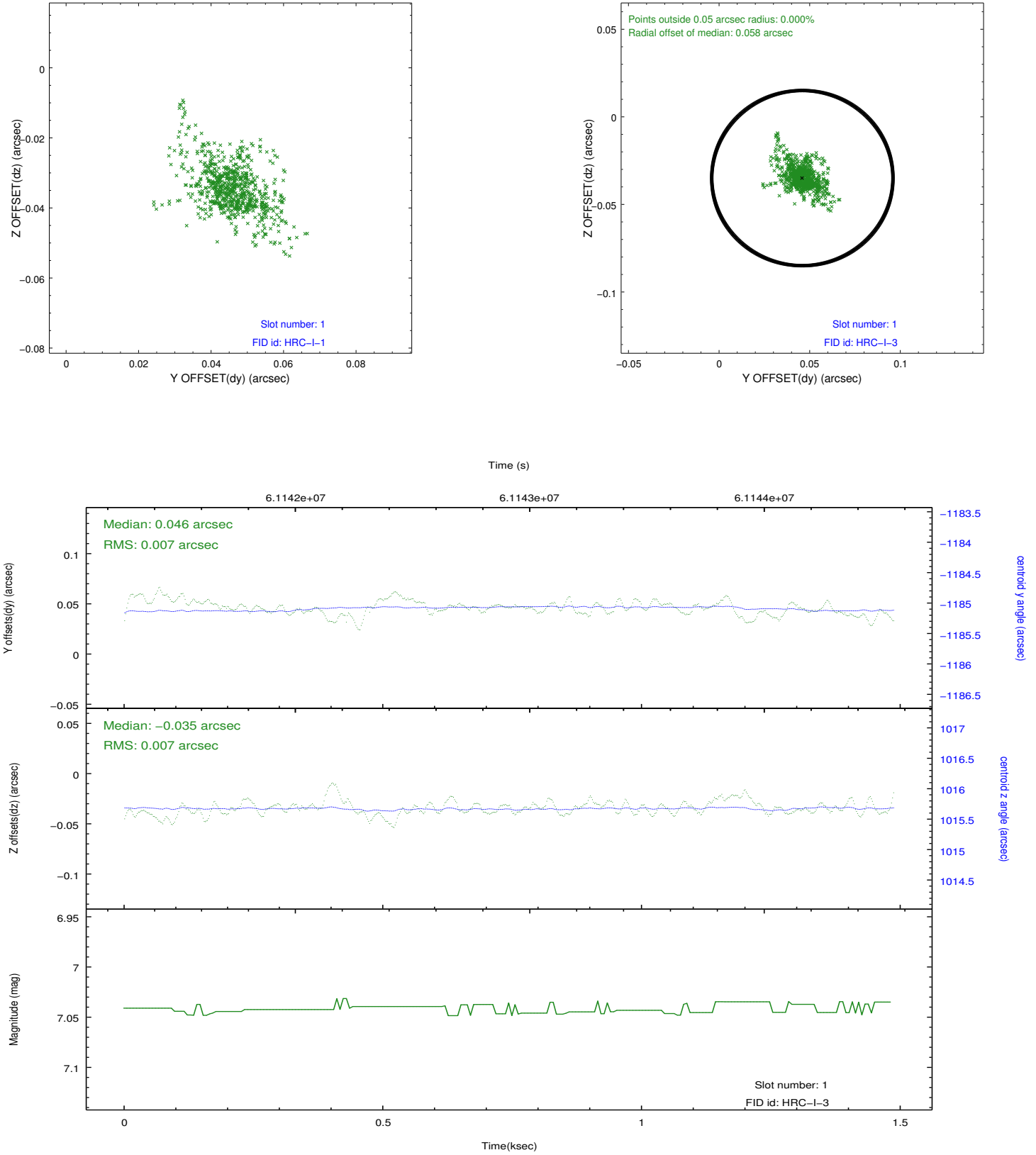


2.5 FID Slots

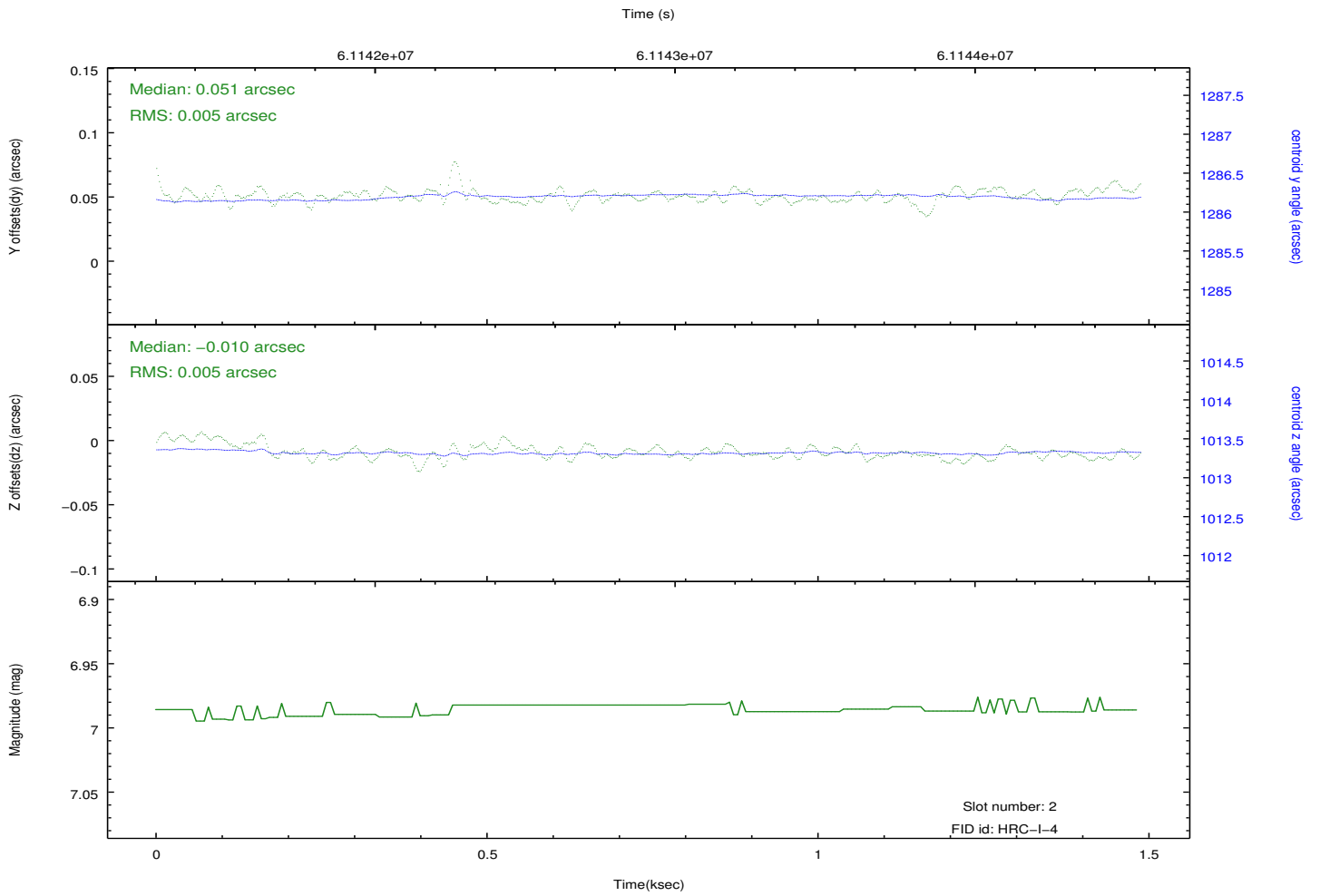
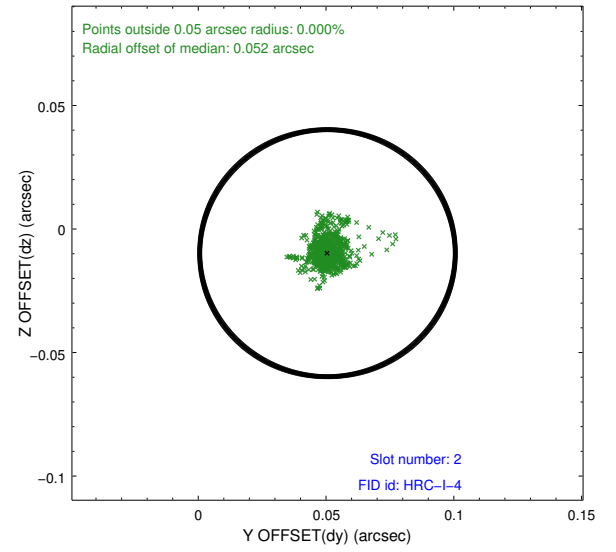
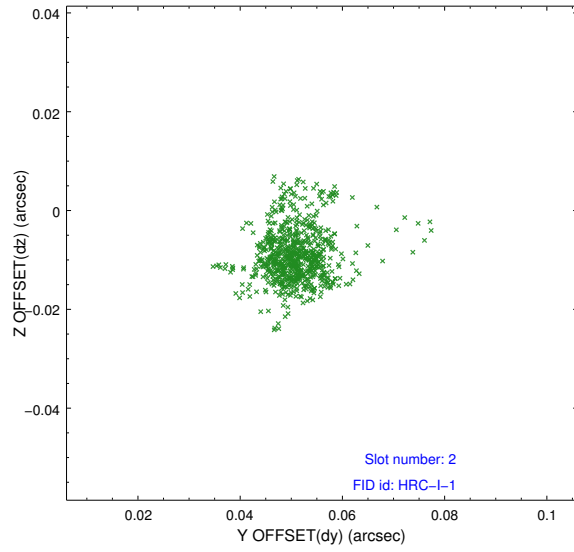
2.5.1 Slot 0



2.5.2 Slot 1

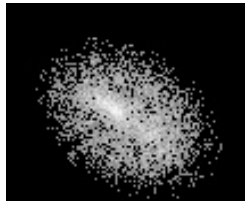


2.5.3 Slot 2



3 Point Sources

5.90 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.214

A.2 Comments

HRC-I cal: ARLac for image blur