

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1289 - L2 Version 3

Chandra X-Ray Center

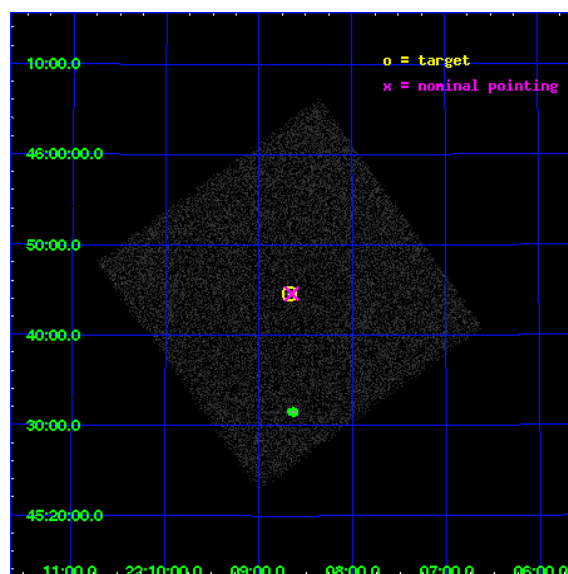
L2 Processing Date : Jan 12 2010

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

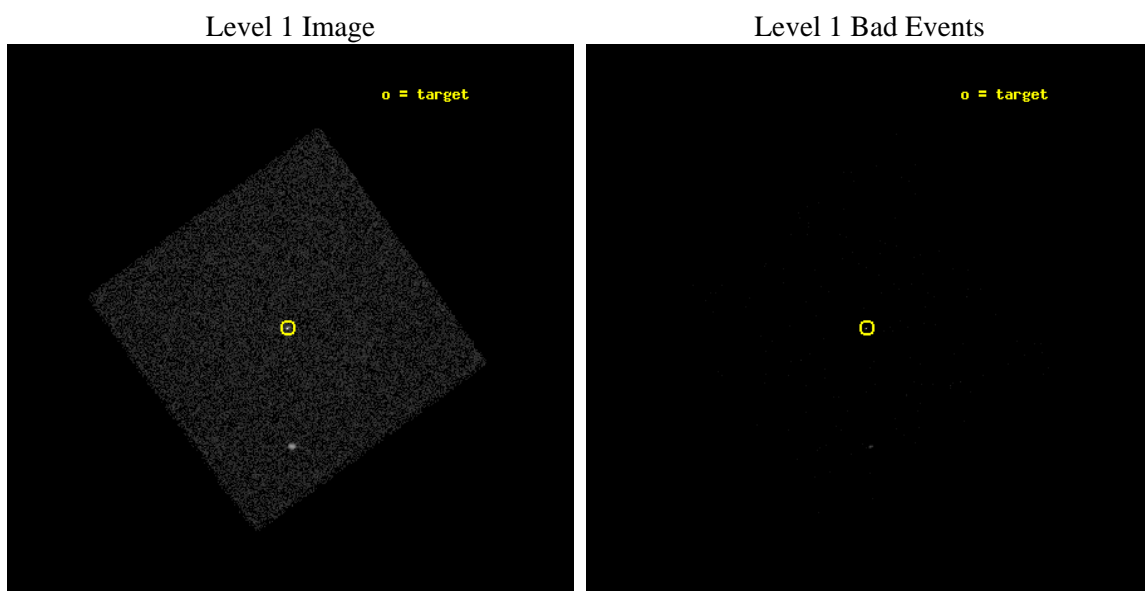
seq_num	280239	Sequence number
obs_id	1289	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.16178568772	Nominal RA
dec_nom	45.74338954444	Nominal Dec
roll_nom	189.12722332703	Nominal Roll
revision	3	Processing version of data
ontime	794.63127854466	[s]
livetime	788.14042669805	Ontime multiplied by DTCOR
l2events	31220	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	8.2.1	Processing system revision	ontime	794.63127854466	[s]
caldbver	4.1.5	 	l1events	55269	Number of level 1 events
date	2010-01-12T17:07:12	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

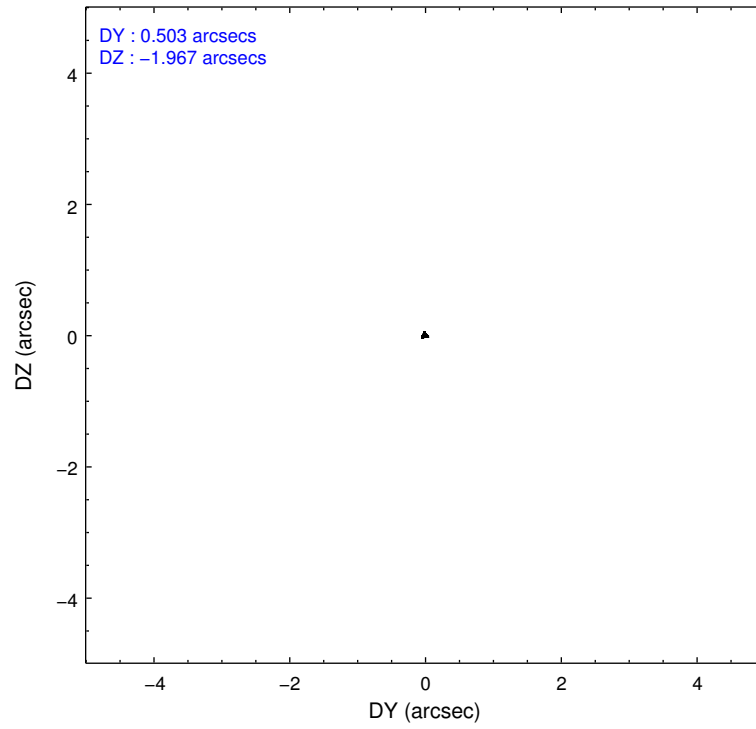
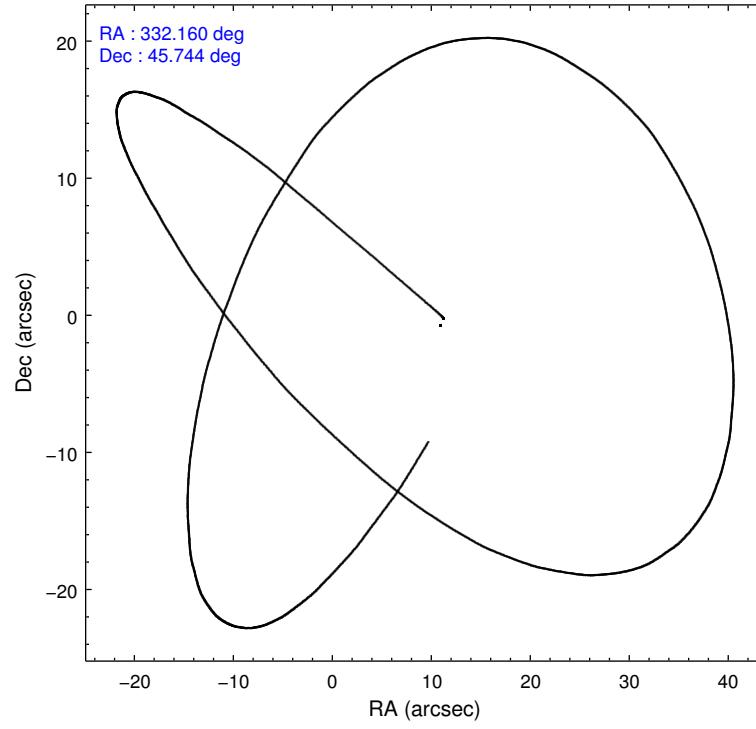
Level 1 Events

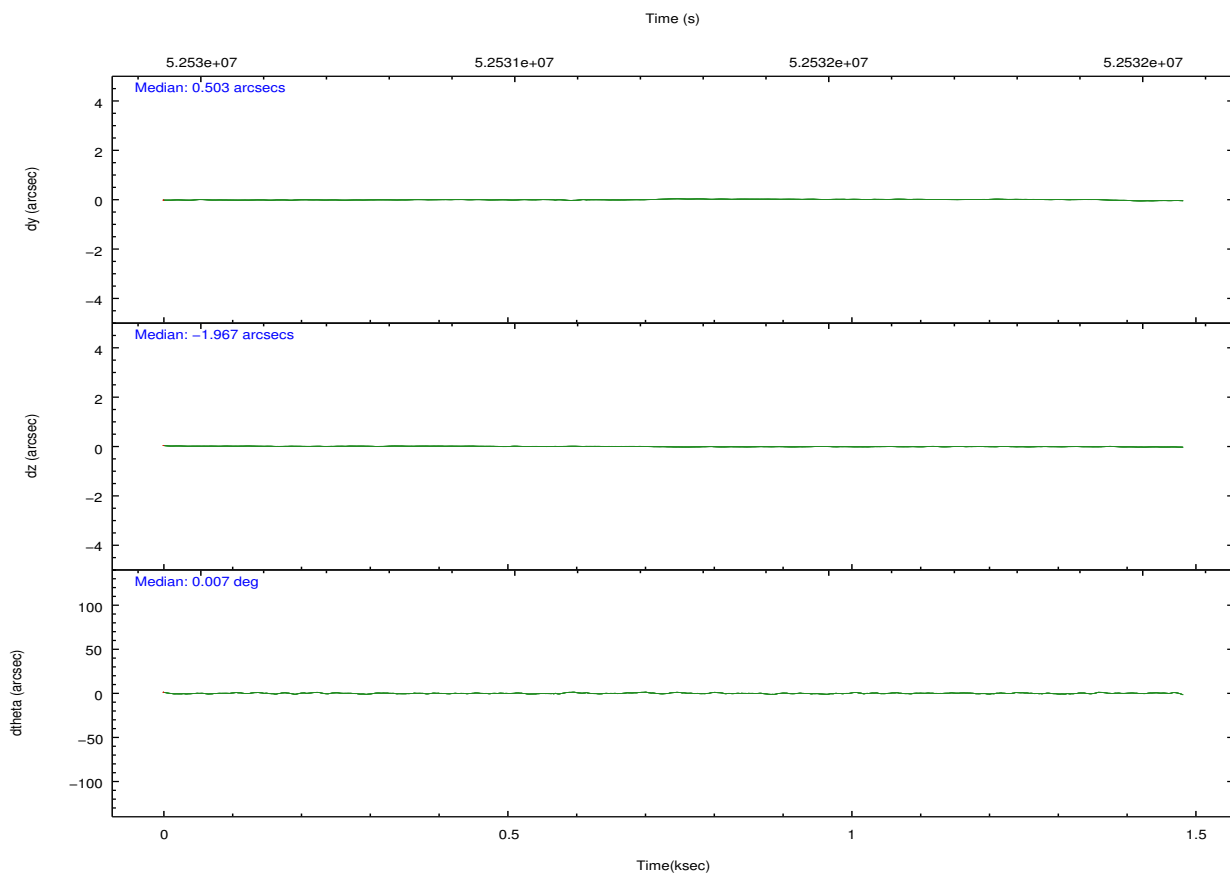
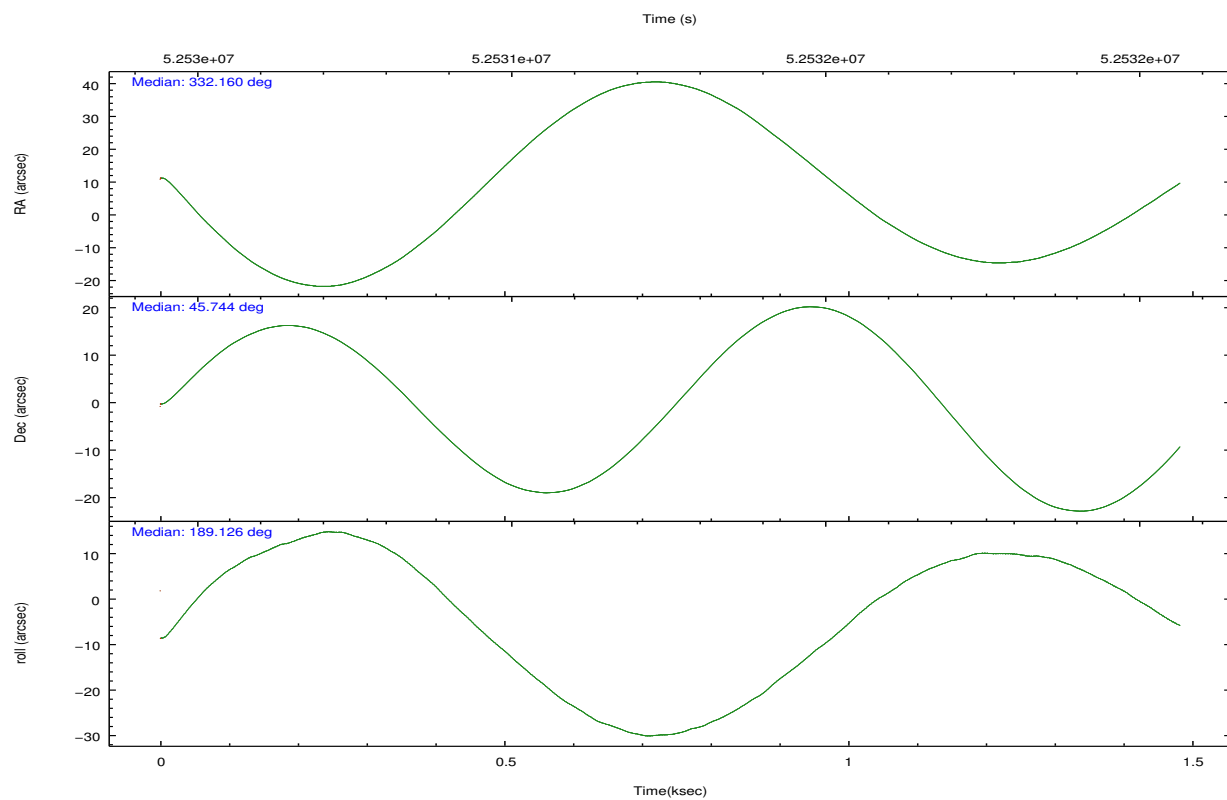
	segment 0
level 1 events	55269
rejected events	4096
rejected %	7%

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	332.193862	332.1617856877161			
Pointing Dec	45.760860	45.74338954443977			
Pointing Roll	189.199723	189.1272233270276			
SIM focus pos (mm)	-2.023477	-2.241916365050471			
SIM defocus (mm)	-0.9831839999999999	-1.201623744391597			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	52530994.184000	52530328.137296			
Observation start date	1999-08-31T23:55:30	1999-08-31T23:45:28			
Observation end time	52531994.184000	52533692.699917			
Observation end date	1999-09-01T00:12:10	1999-09-01T00:41:32			

2.3 Aspect



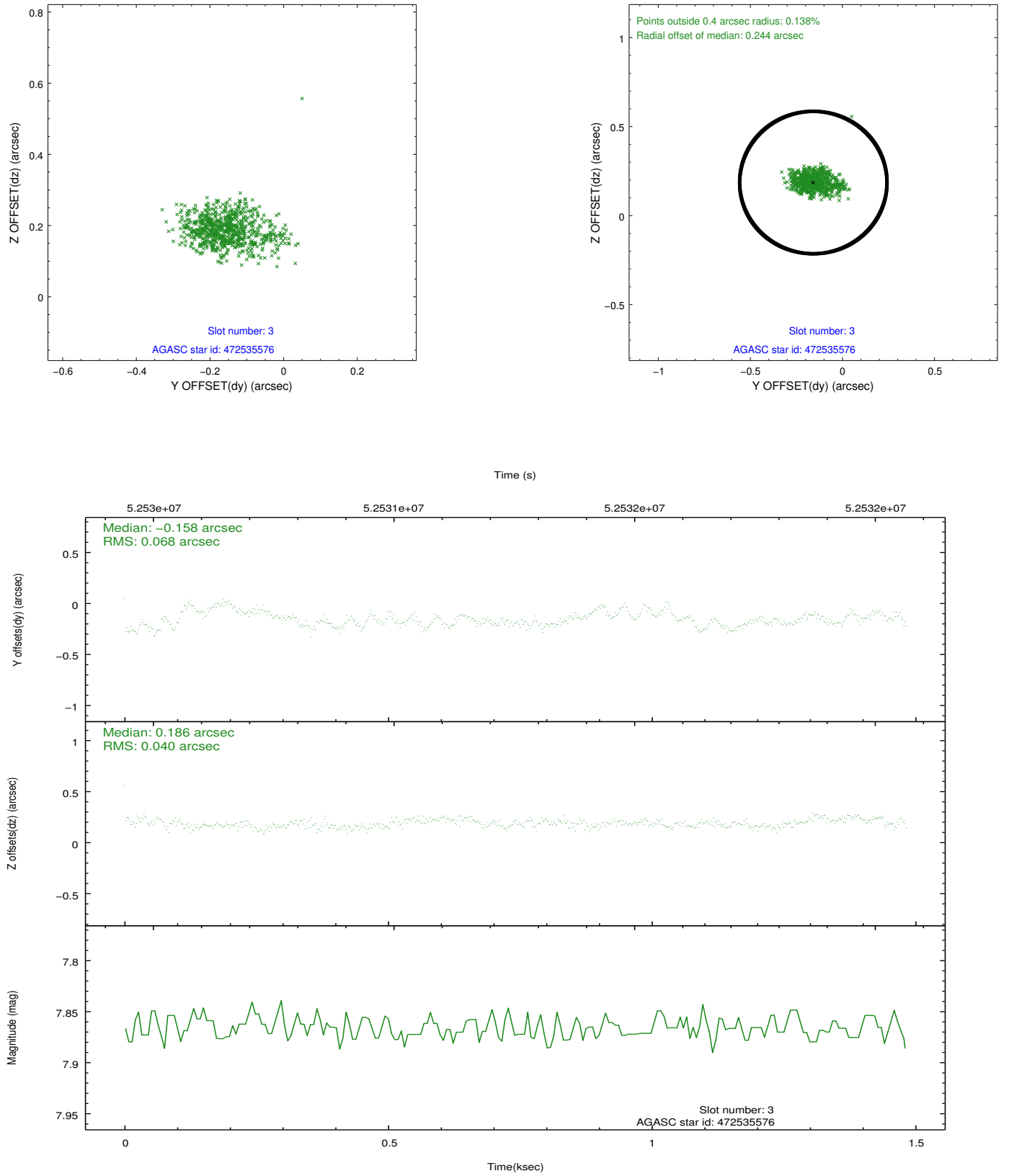


Slot Statistics

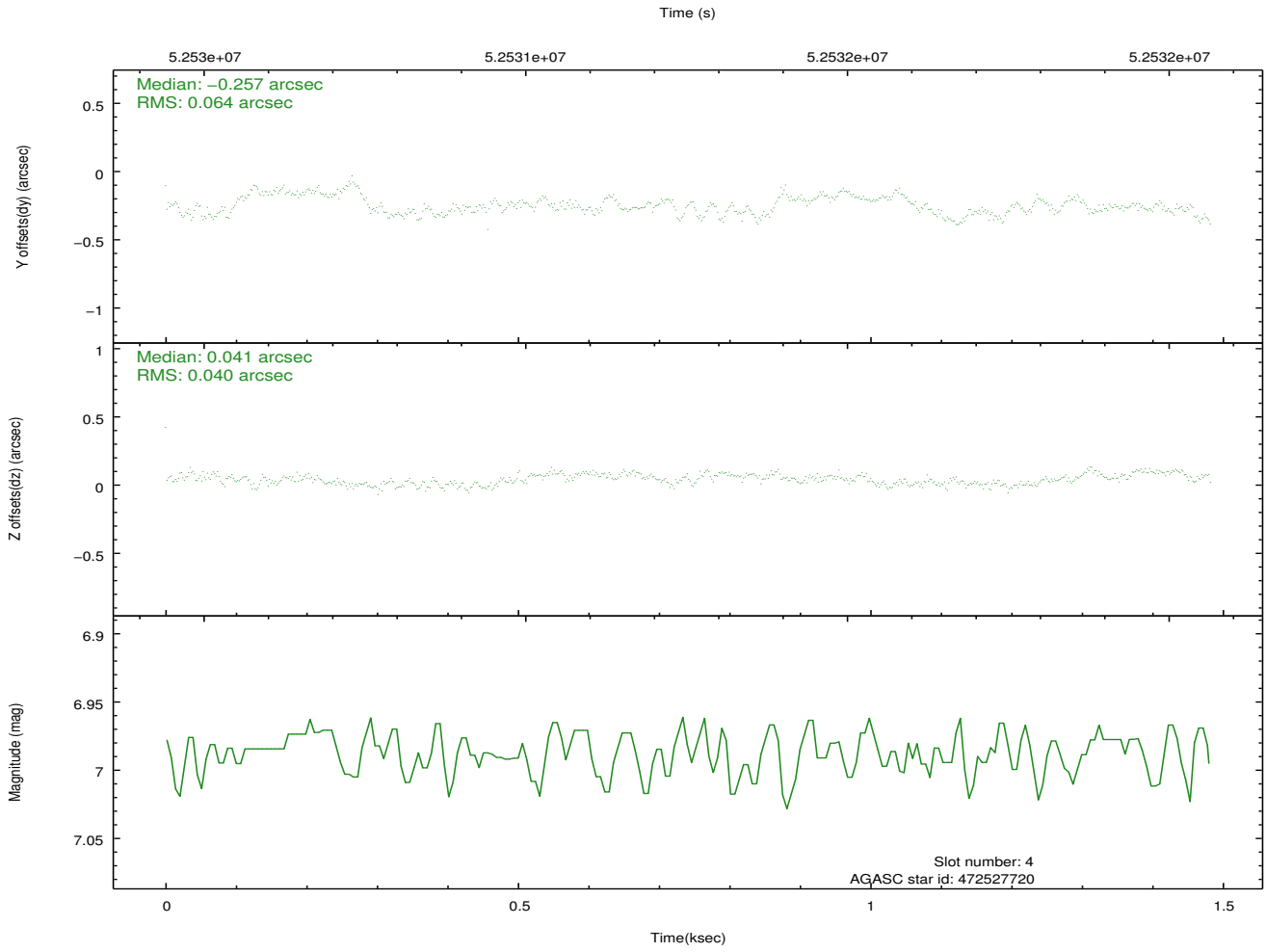
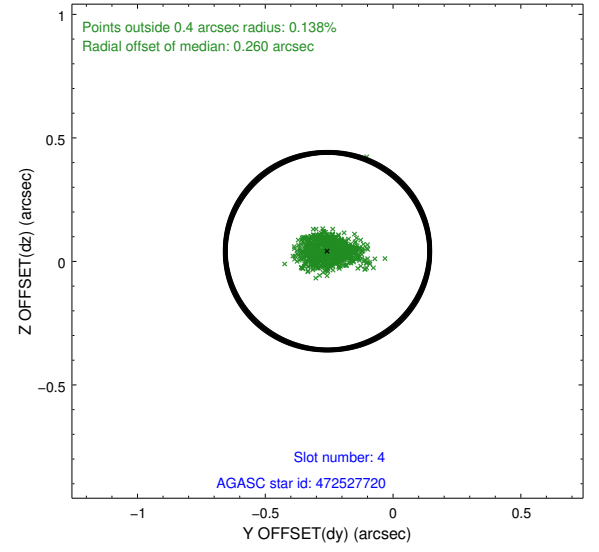
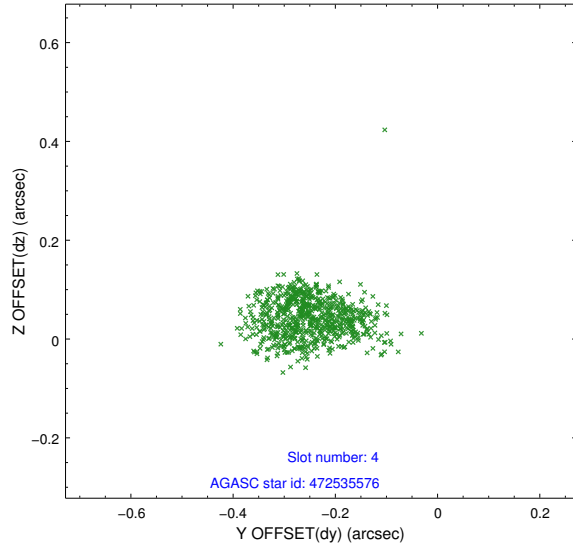
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	724	0.025	-0.129	0.006	0.011	0.000000	0.000000	-755.75	-1285.61
1	FID	HRC-I-3	7.04	724	0.035	0.041	0.007	0.012	0.000000	0.000000	-1185.29	1017.06
2	FID	HRC-I-4	6.98	724	0.055	-0.001	0.006	0.011	0.000000	0.000000	1285.12	1017.87
3	GUIDE	472535576	7.87	724	-0.158	0.186	0.080	0.143	331.438373	46.291802	1543.24	-2195.76
4	GUIDE	472527720	6.99	724	-0.257	0.041	0.078	0.126	331.460205	45.112509	2208.70	1994.90
5	GUIDE	472665256	9.02	724	0.046	-0.115	0.084	0.142	332.808125	46.195041	-1763.61	-1301.45
6	GUIDE	472659832	9.46	724	-0.020	-0.072	0.090	0.152	332.780399	46.098139	-1647.65	-971.71
7	BAD	472654568	9.47	532	0.494	-0.056	0.163	0.230	332.194449	45.063576	392.01	2469.81

2.4 Star Slots

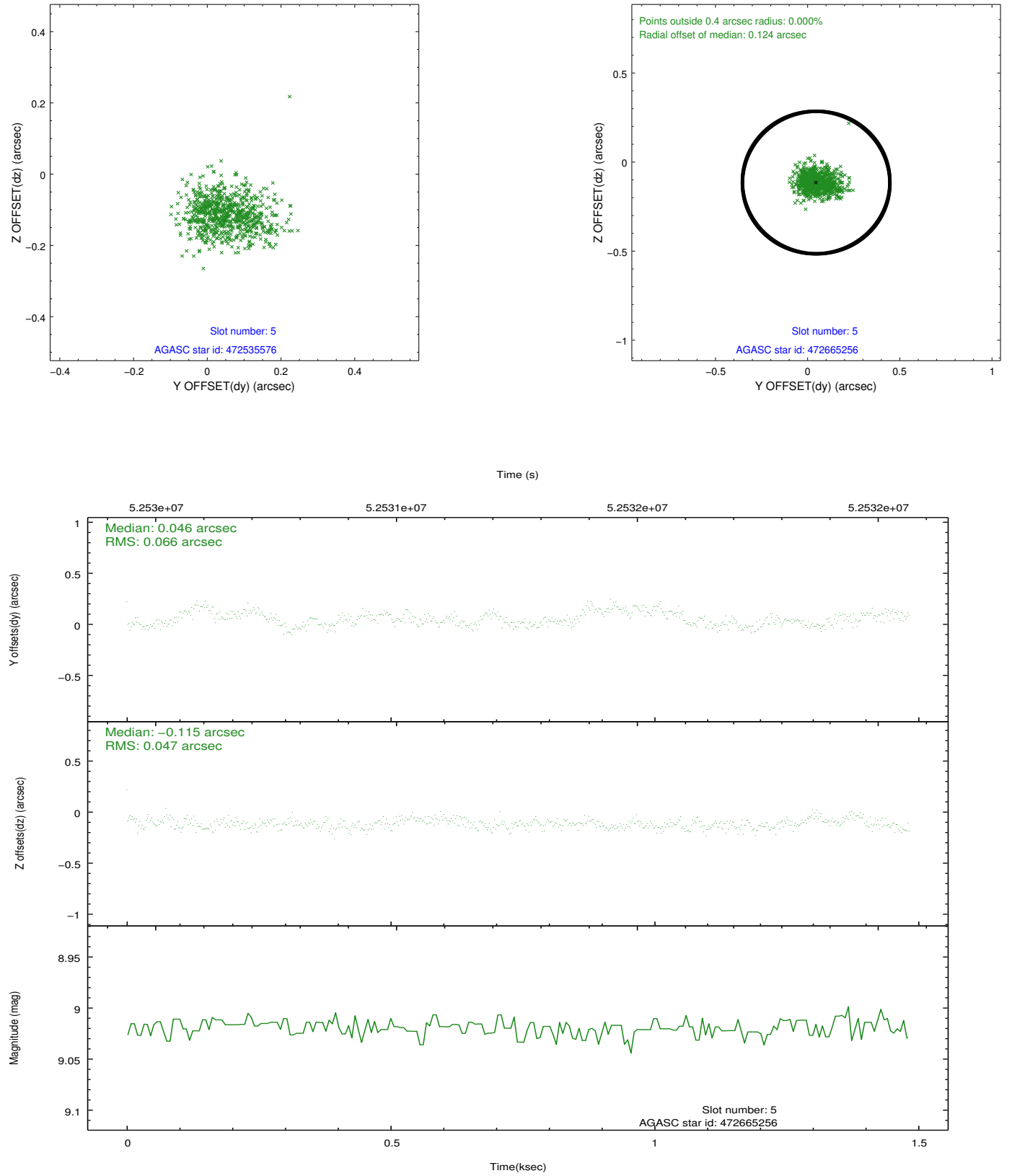
2.4.1 Slot 3



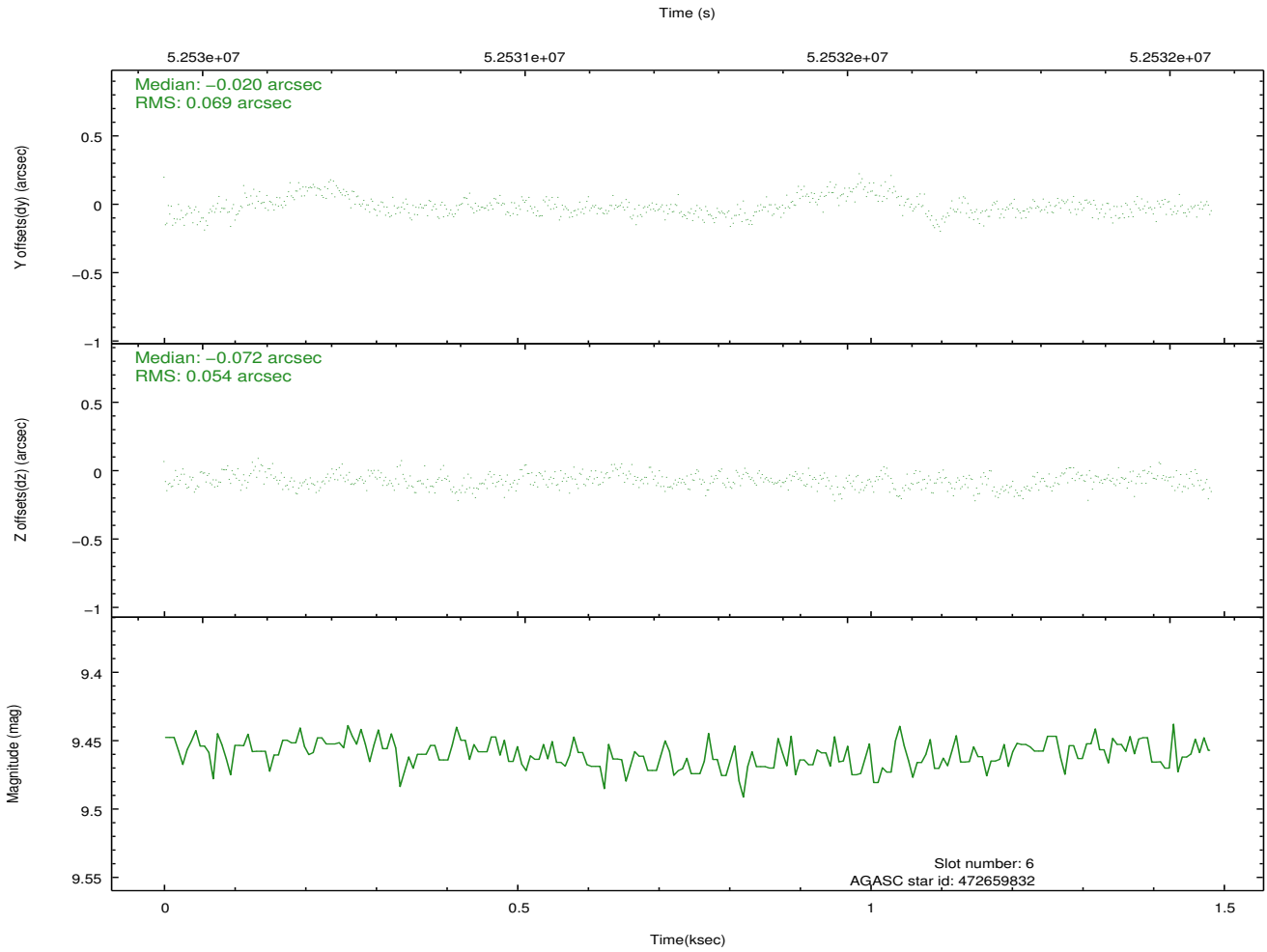
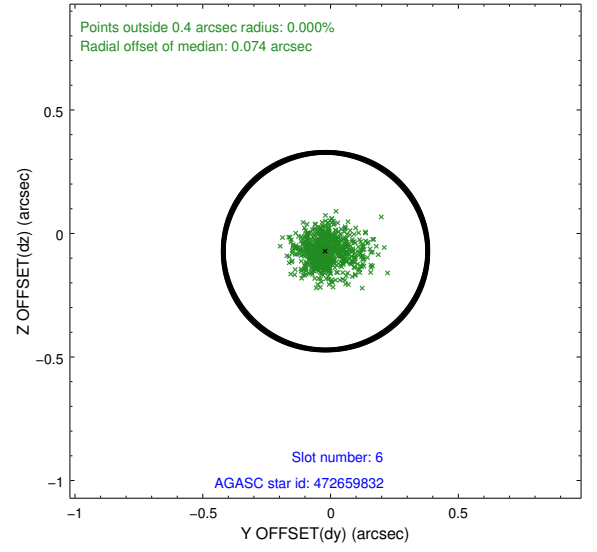
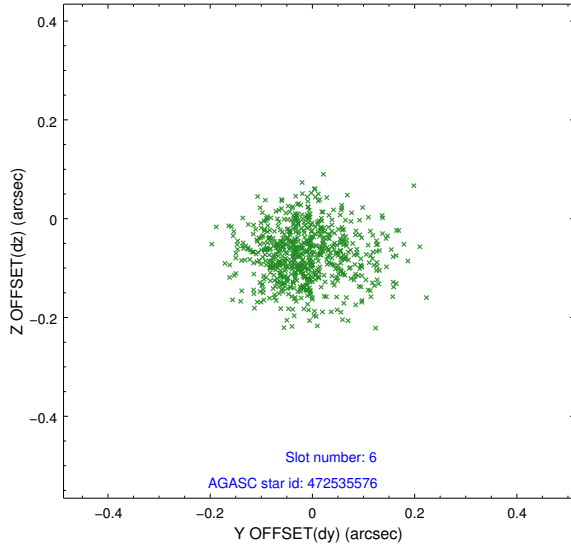
2.4.2 Slot 4



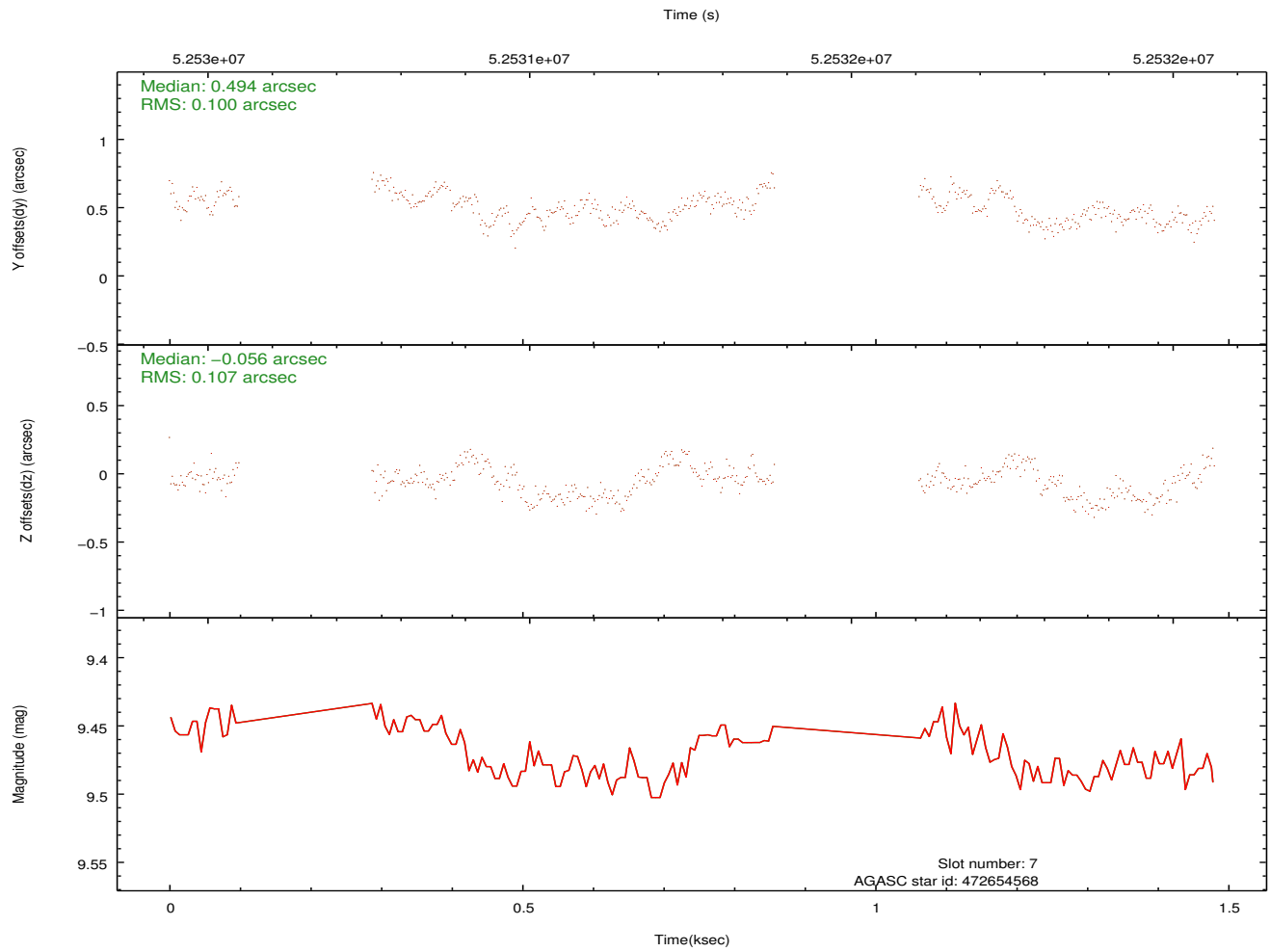
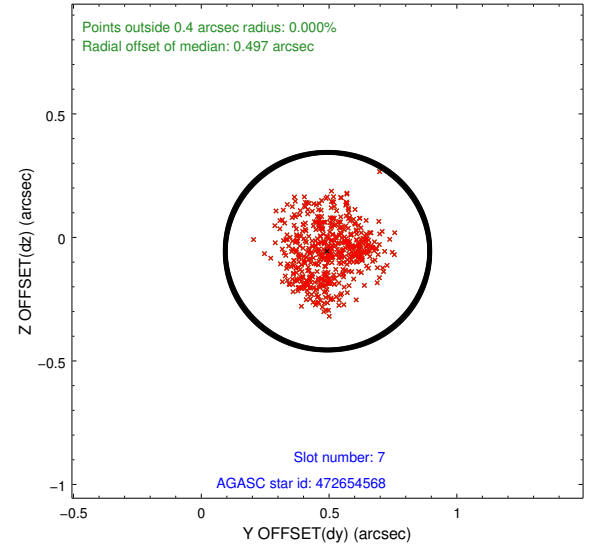
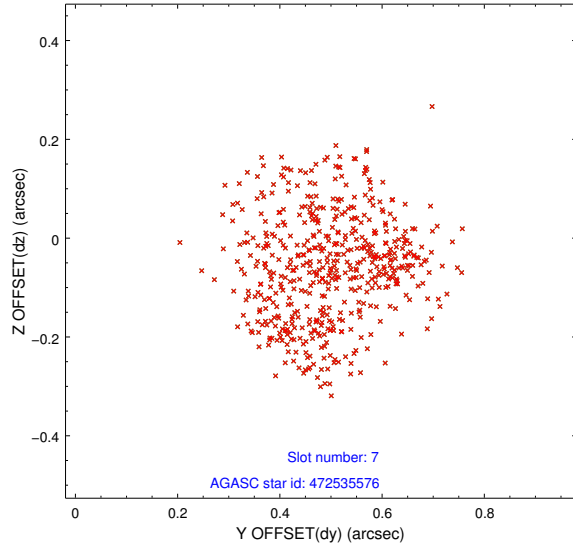
2.4.3 Slot 5



2.4.4 Slot 6

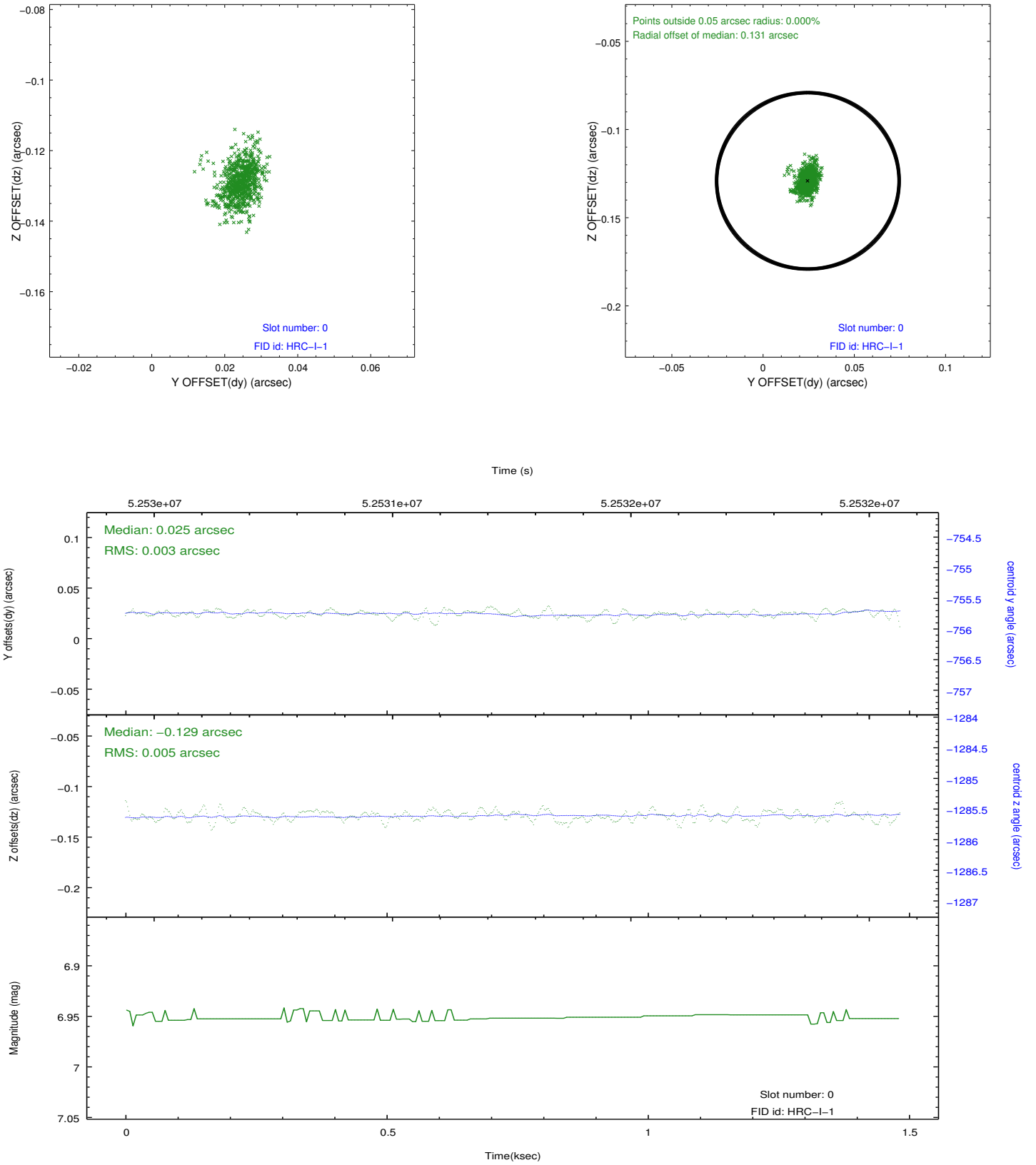


2.4.5 Slot 7

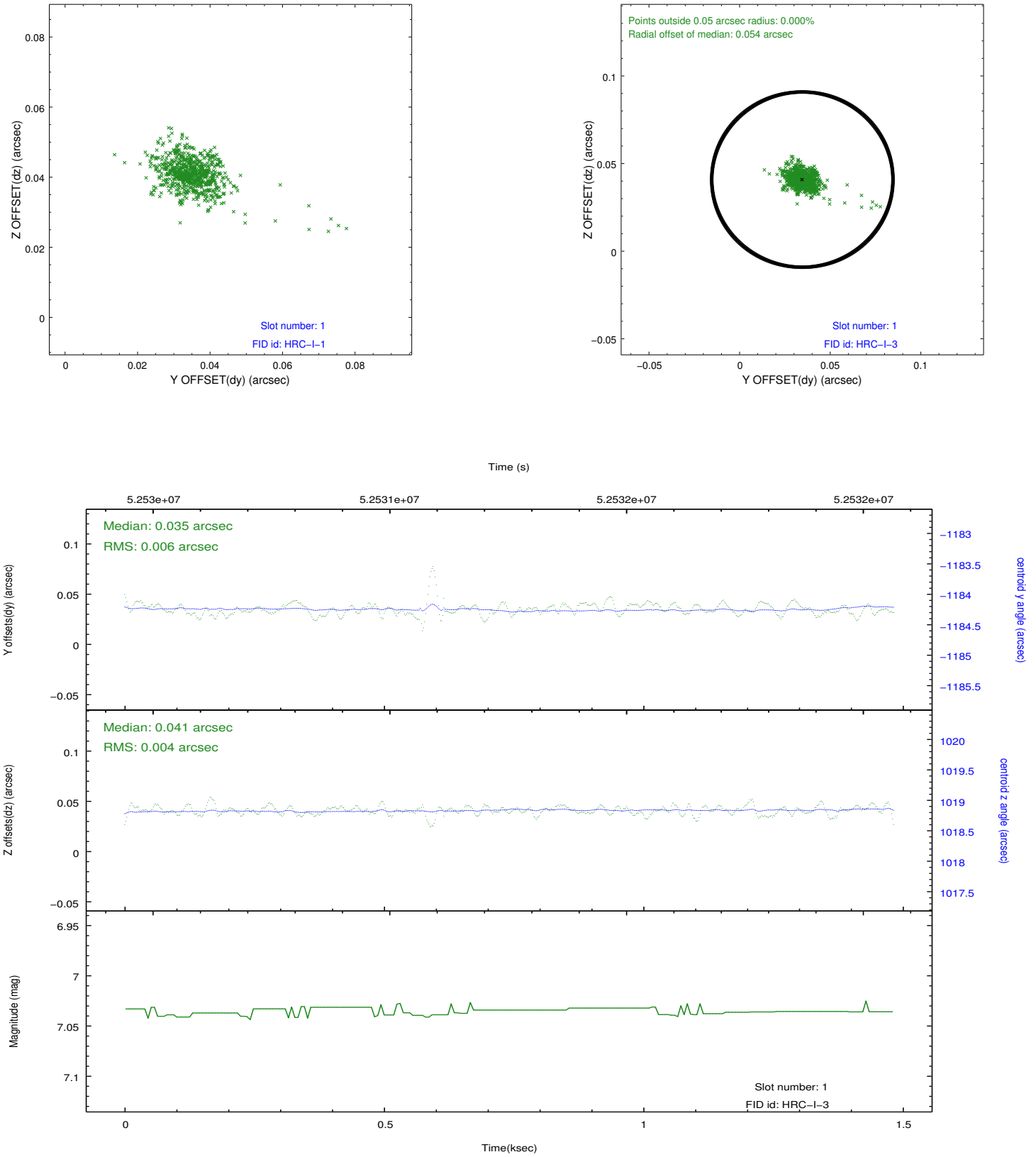


2.5 FID Slots

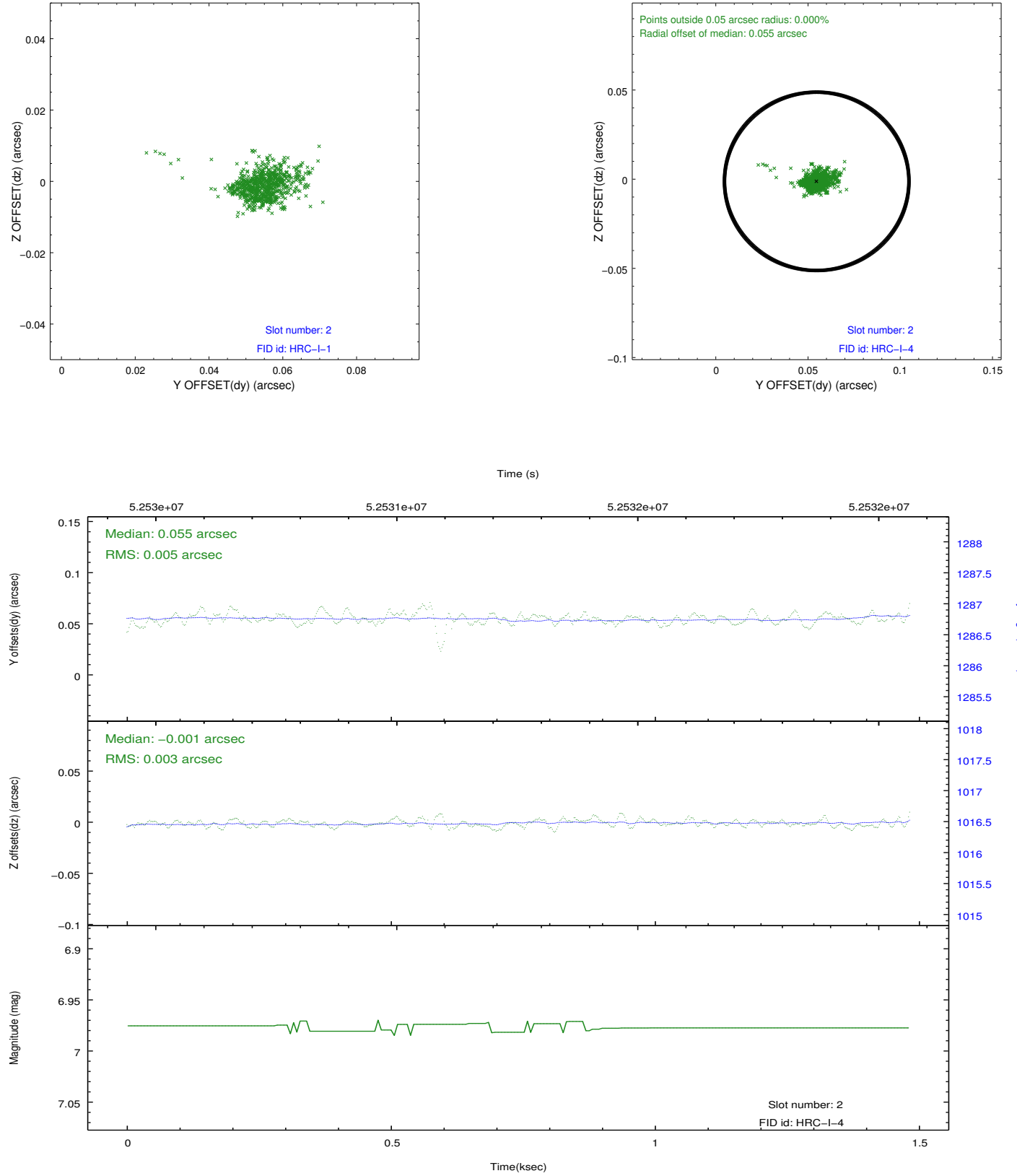
2.5.1 Slot 0



2.5.2 Slot 1

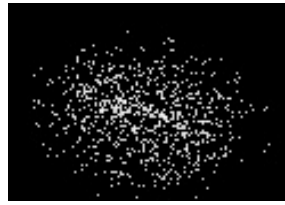


2.5.3 Slot 2



3 Point Sources

13.13 arcmin



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.794

A.2 Comments

HRC-I series of focus observations around the revied focus. HRC using manual commanding to revised focus position (-1580) while maneuvering for the observation
===

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.