

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1283 - L2 Version 5

Chandra X-Ray Center

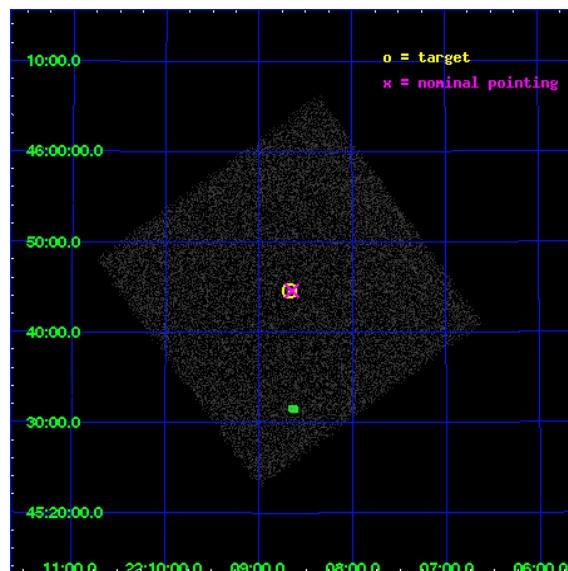
L2 Processing Date : Jan 12 2010

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1 Front

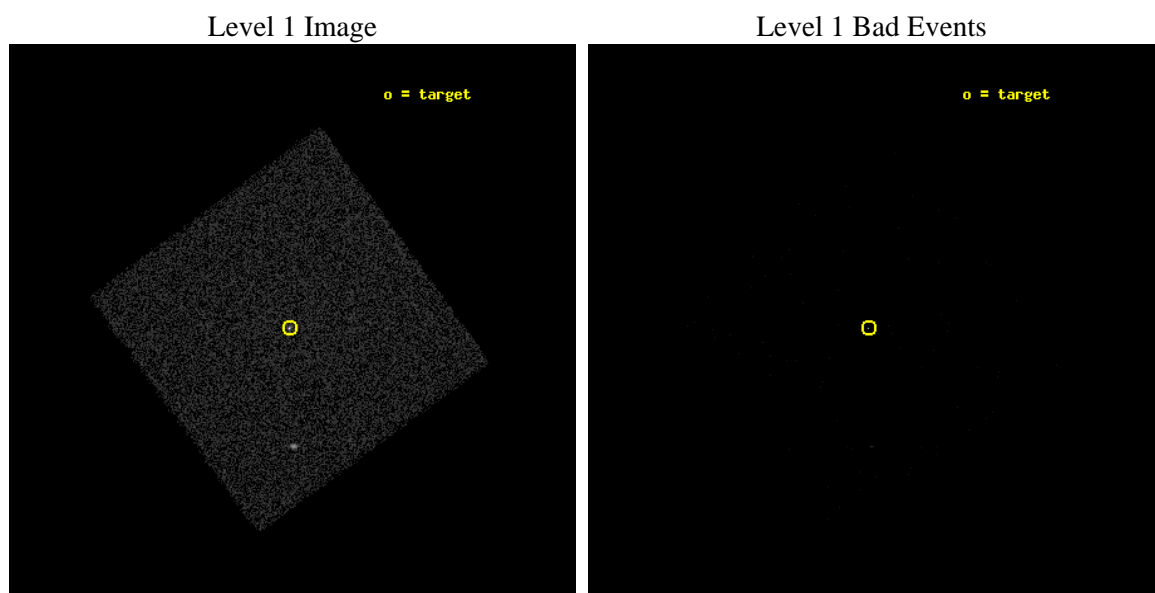
seq_num	280233	Sequence number
obs_id	1283	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.16180562462	Nominal RA
dec_nom	45.743409226606	Nominal Dec
roll_nom	188.97781034181	Nominal Roll
revision	5	Processing version of data
ontime	794.63127854466	[s]
livetime	788.66401512061	Ontime multiplied by DTCOR
l2events	26021	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	46381	Number of level 1 events
date	2010-01-12T16:24:01	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

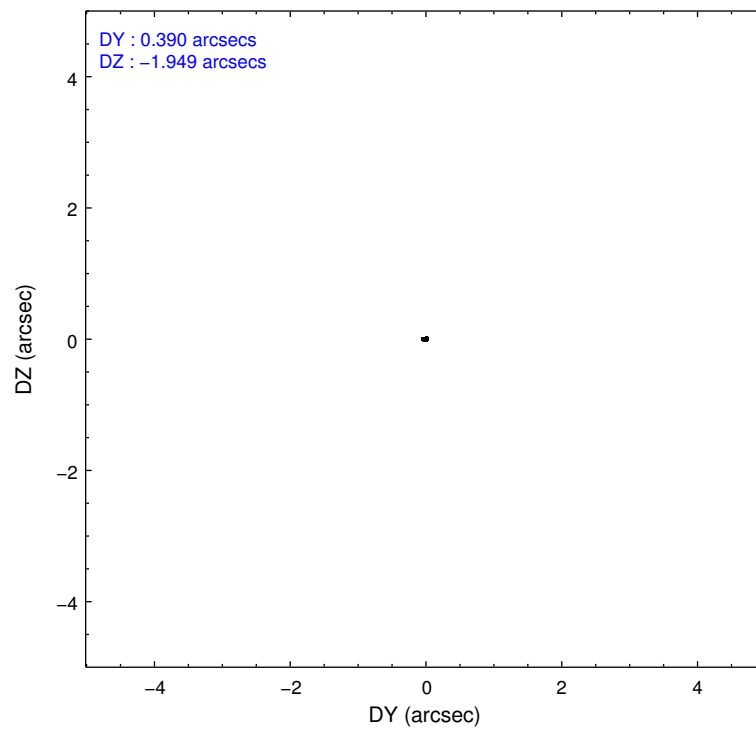
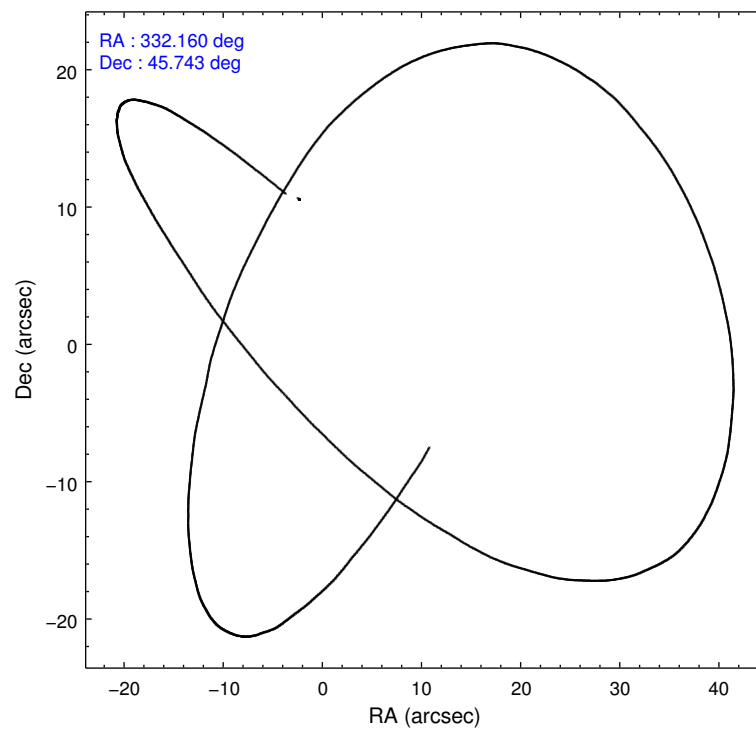
Level 1 Events

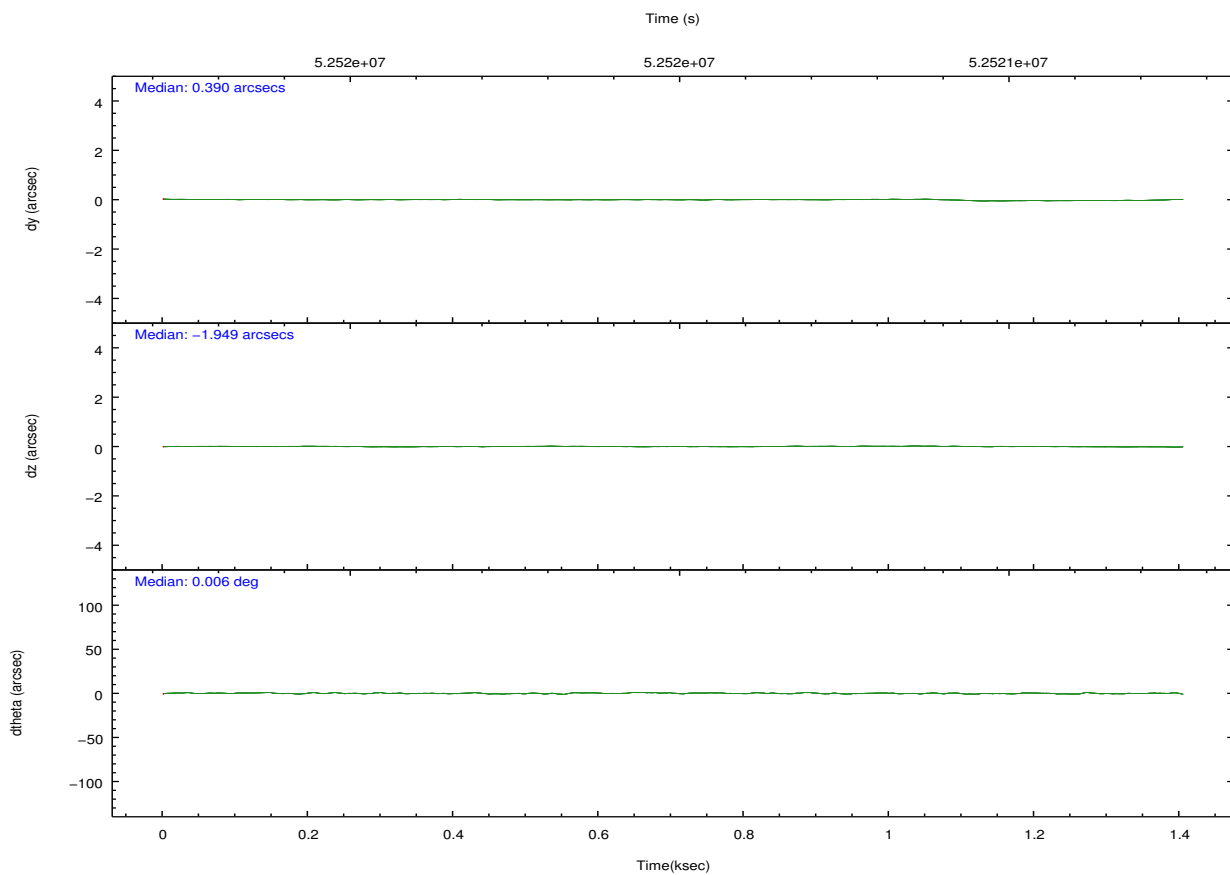
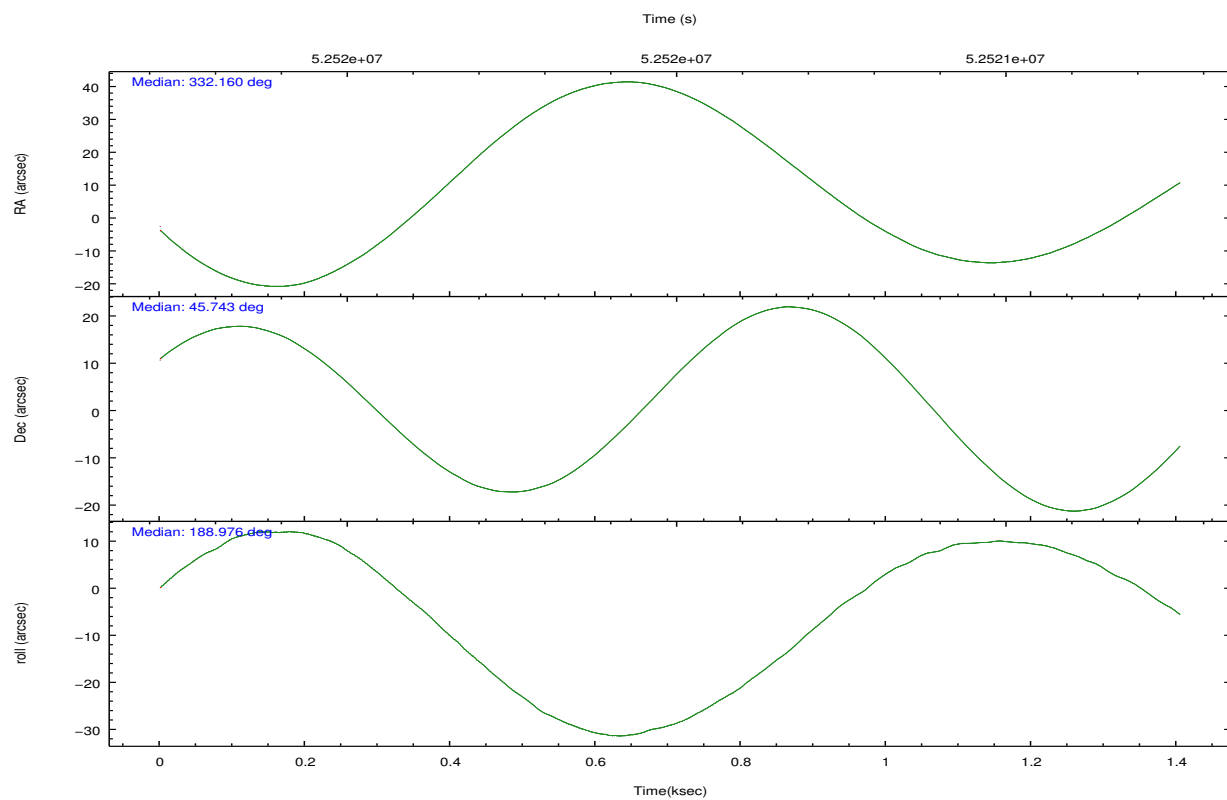
	segment 0
level 1 events	46381
rejected events	2798
rejected %	6%

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	332.193918	332.1618056246198			
Pointing Dec	45.760809	45.743409226606			
Pointing Roll	189.050294	188.9778103418095			
SIM focus pos (mm)	-0.024443	-0.8154441248841364			
SIM defocus (mm)	1.01585	0.2248484957747381			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	52520194.184000	52519528.224408			
Observation start date	1999-08-31T20:55:30	1999-08-31T20:45:28			
Observation end time	52521194.184000	52521328.636973			
Observation end date	1999-08-31T21:12:10	1999-08-31T21:15:28			

2.3 Aspect



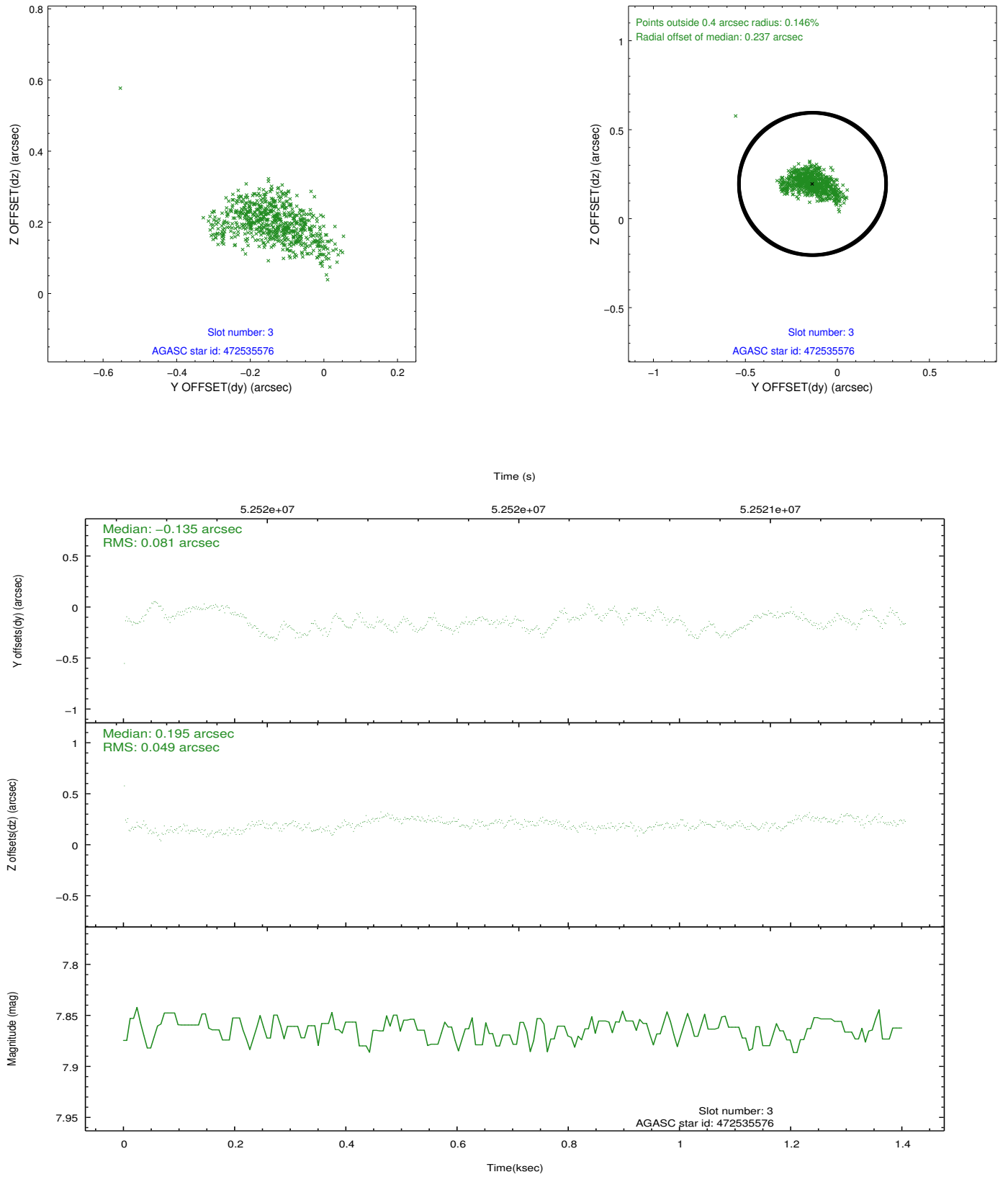


Slot Statistics

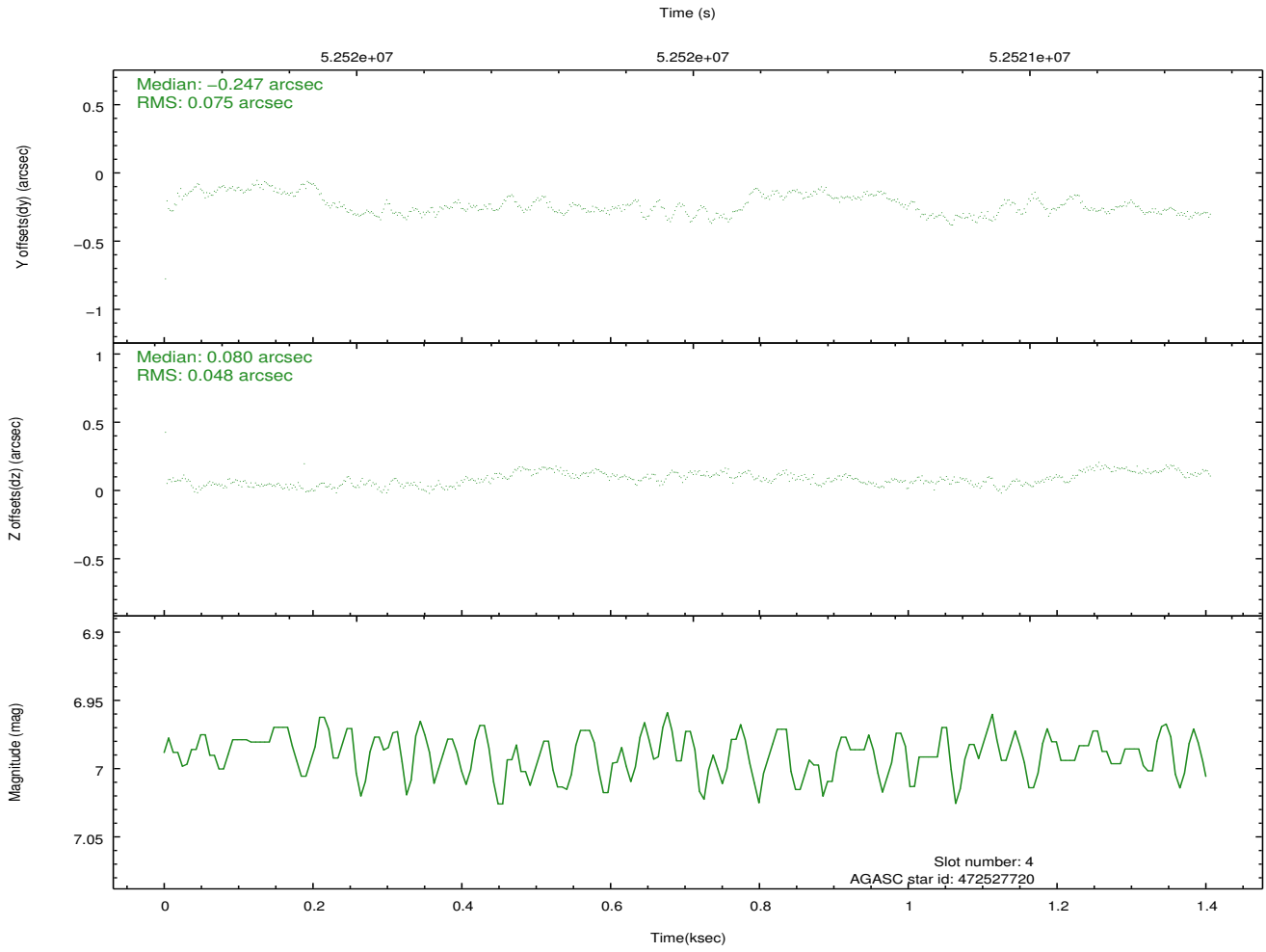
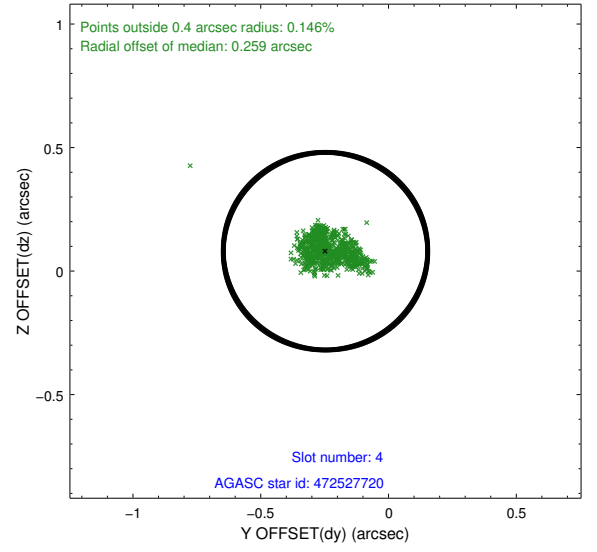
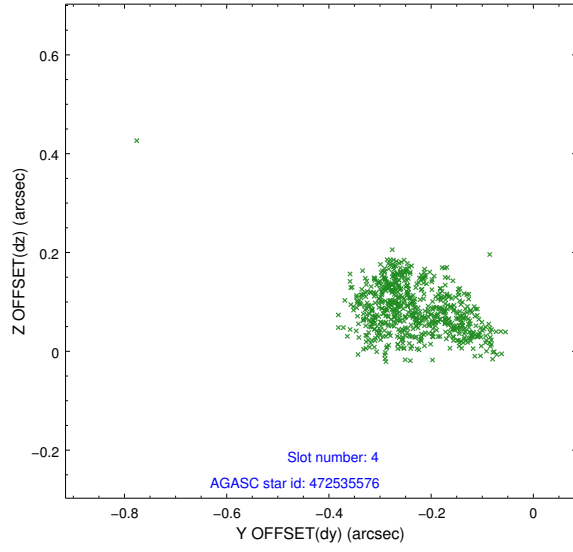
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	686	0.032	-0.097	0.005	0.009	0.000000	0.000000	-755.73	-1285.80
1	FID	HRC-I-3	7.03	686	0.053	0.022	0.006	0.010	0.000000	0.000000	-1185.39	1017.05
2	FID	HRC-I-4	6.97	686	0.029	-0.014	0.005	0.008	0.000000	0.000000	1285.29	1018.06
3	GUIDE	472535576	7.86	686	-0.135	0.195	0.099	0.164	331.438373	46.291802	1549.23	-2192.05
4	GUIDE	472527720	6.99	686	-0.247	0.080	0.092	0.147	331.460205	45.112509	2203.88	2000.19
5	GUIDE	472665256	9.02	686	0.035	-0.114	0.093	0.143	332.808125	46.195041	-1759.80	-1306.22
6	GUIDE	472659832	9.46	686	-0.050	-0.063	0.093	0.162	332.780399	46.098139	-1645.02	-976.43
7	BAD	472654568	9.48	479	0.530	-0.168	0.182	0.258	332.194449	45.063576	385.54	2469.08

2.4 Star Slots

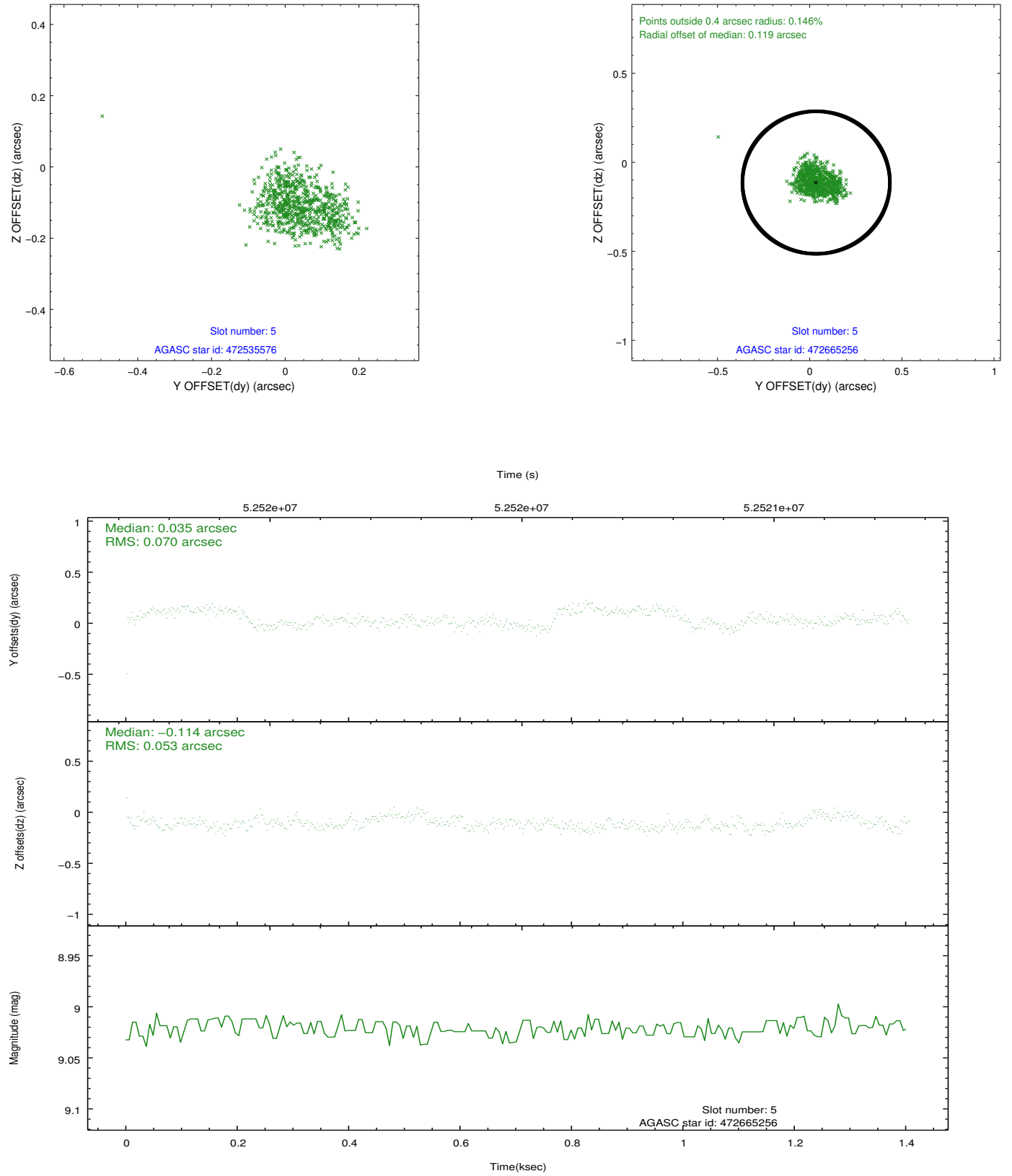
2.4.1 Slot 3



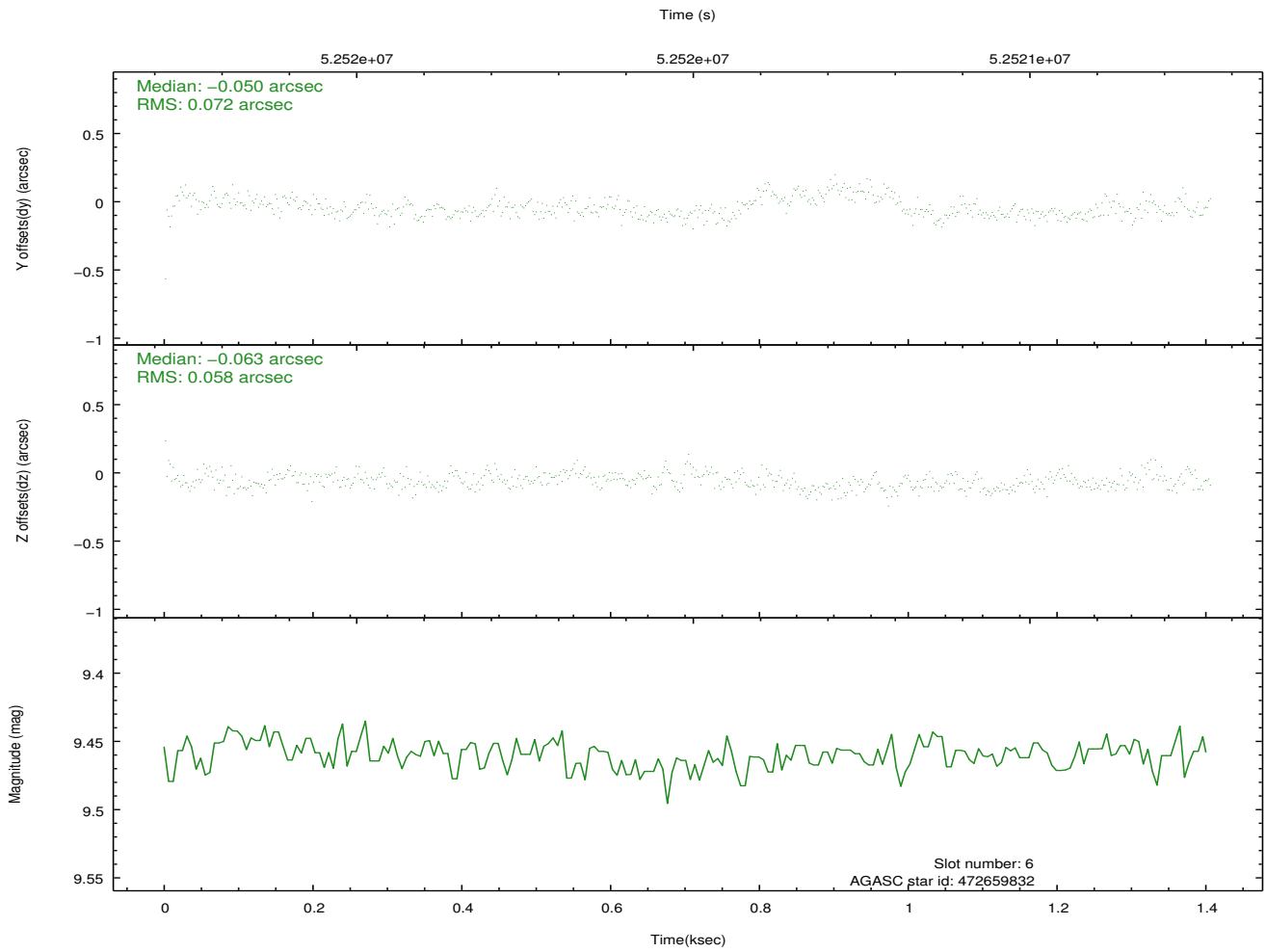
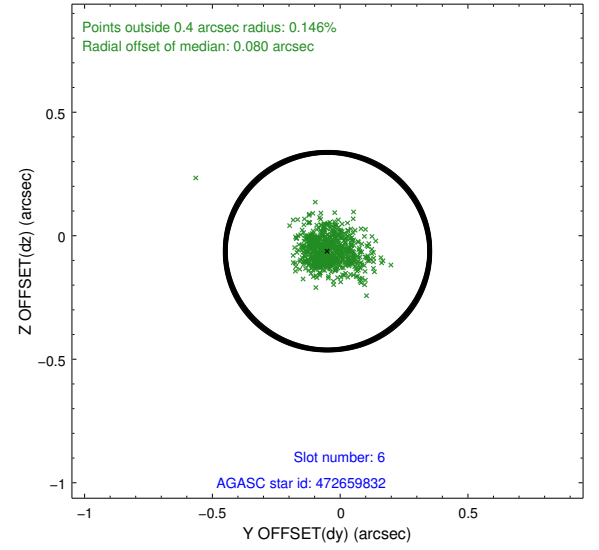
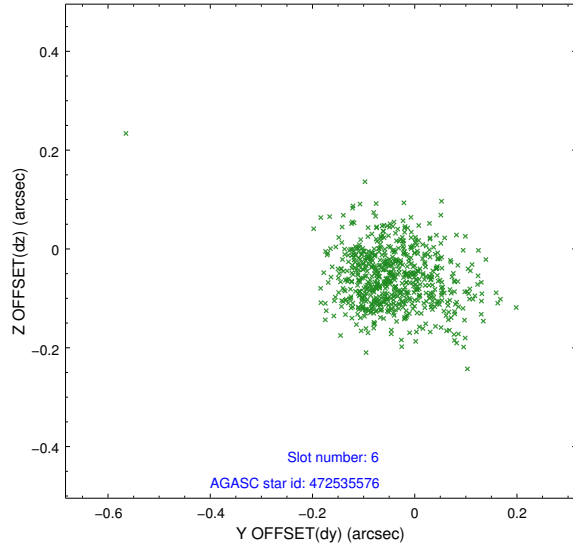
2.4.2 Slot 4



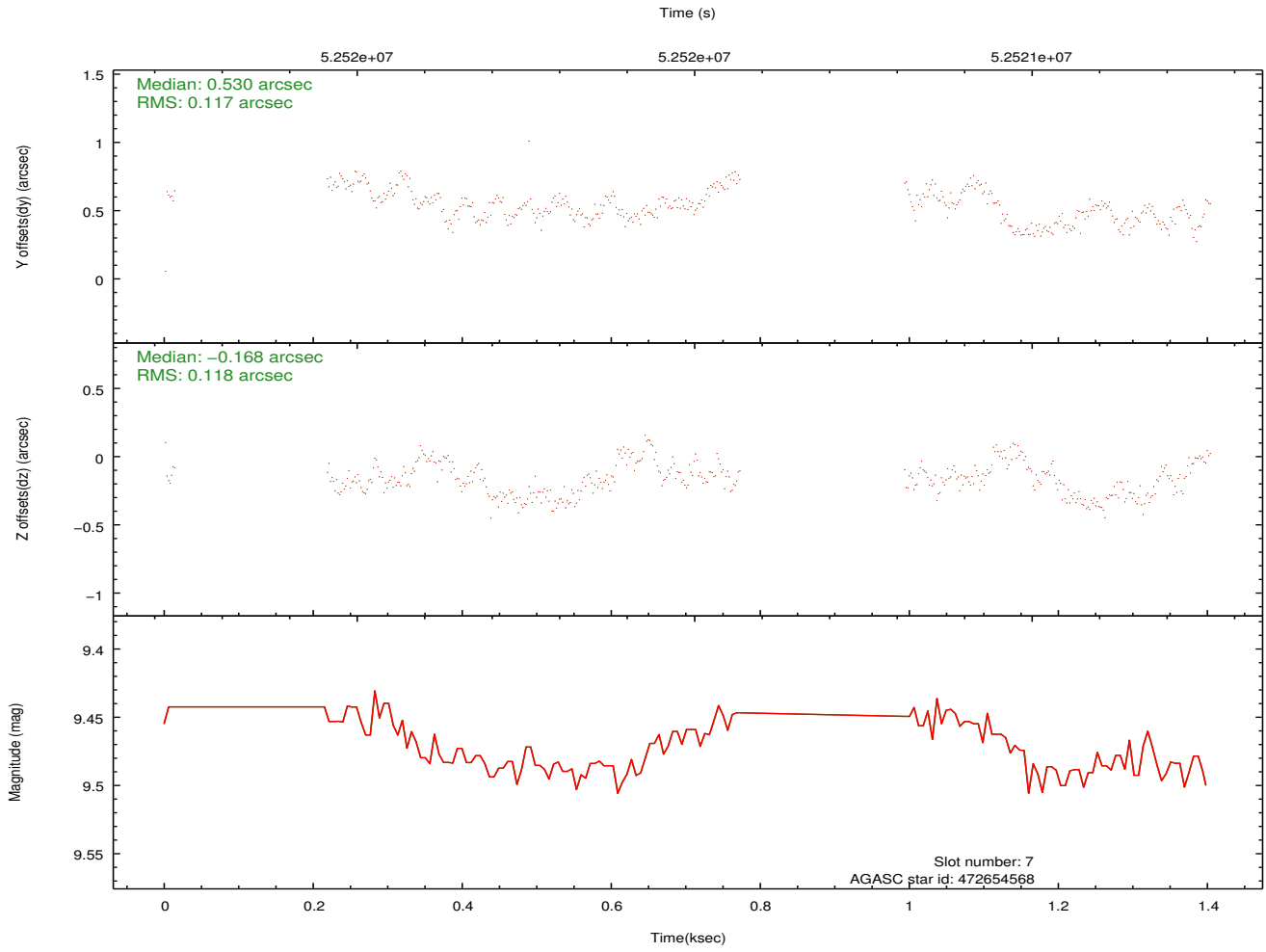
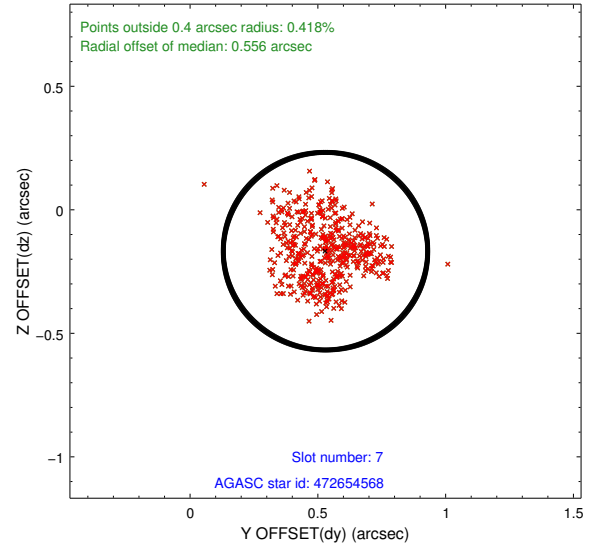
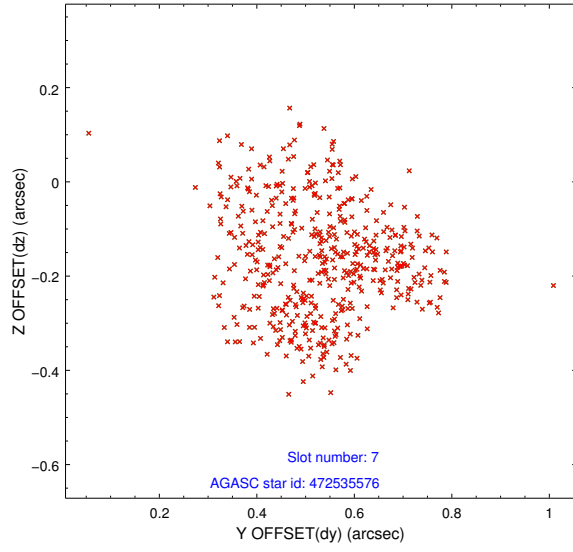
2.4.3 Slot 5



2.4.4 Slot 6

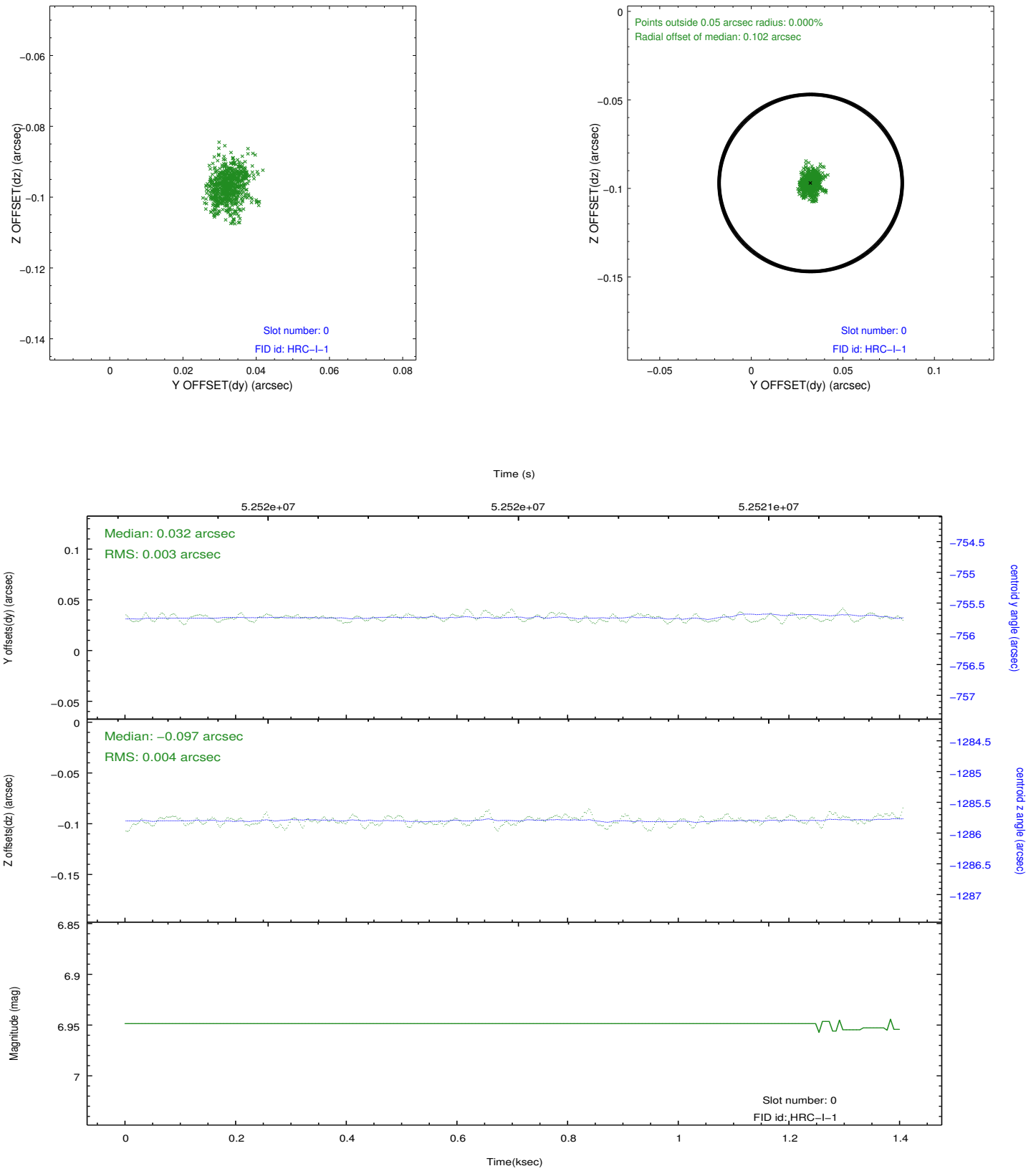


2.4.5 Slot 7

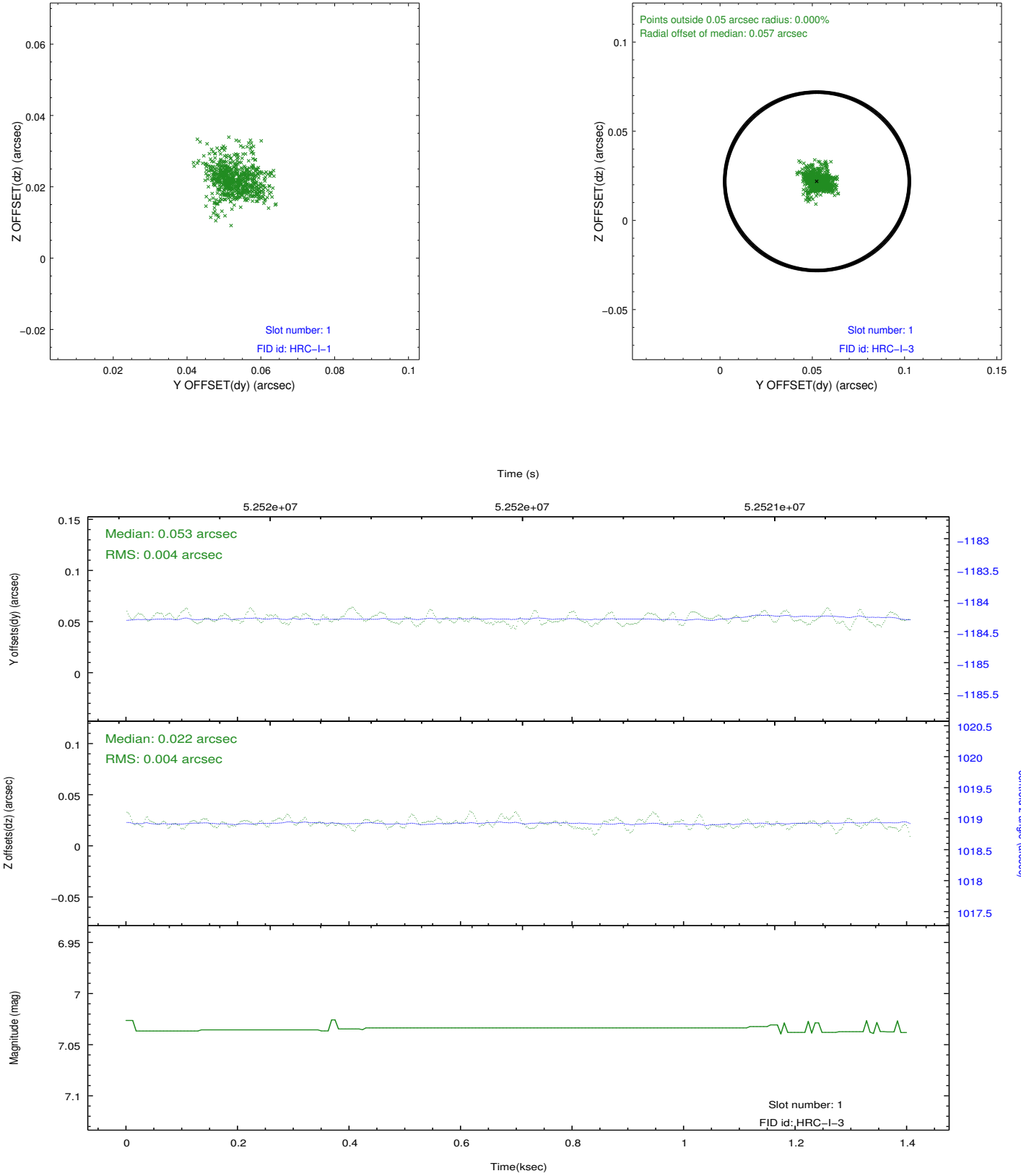


2.5 FID Slots

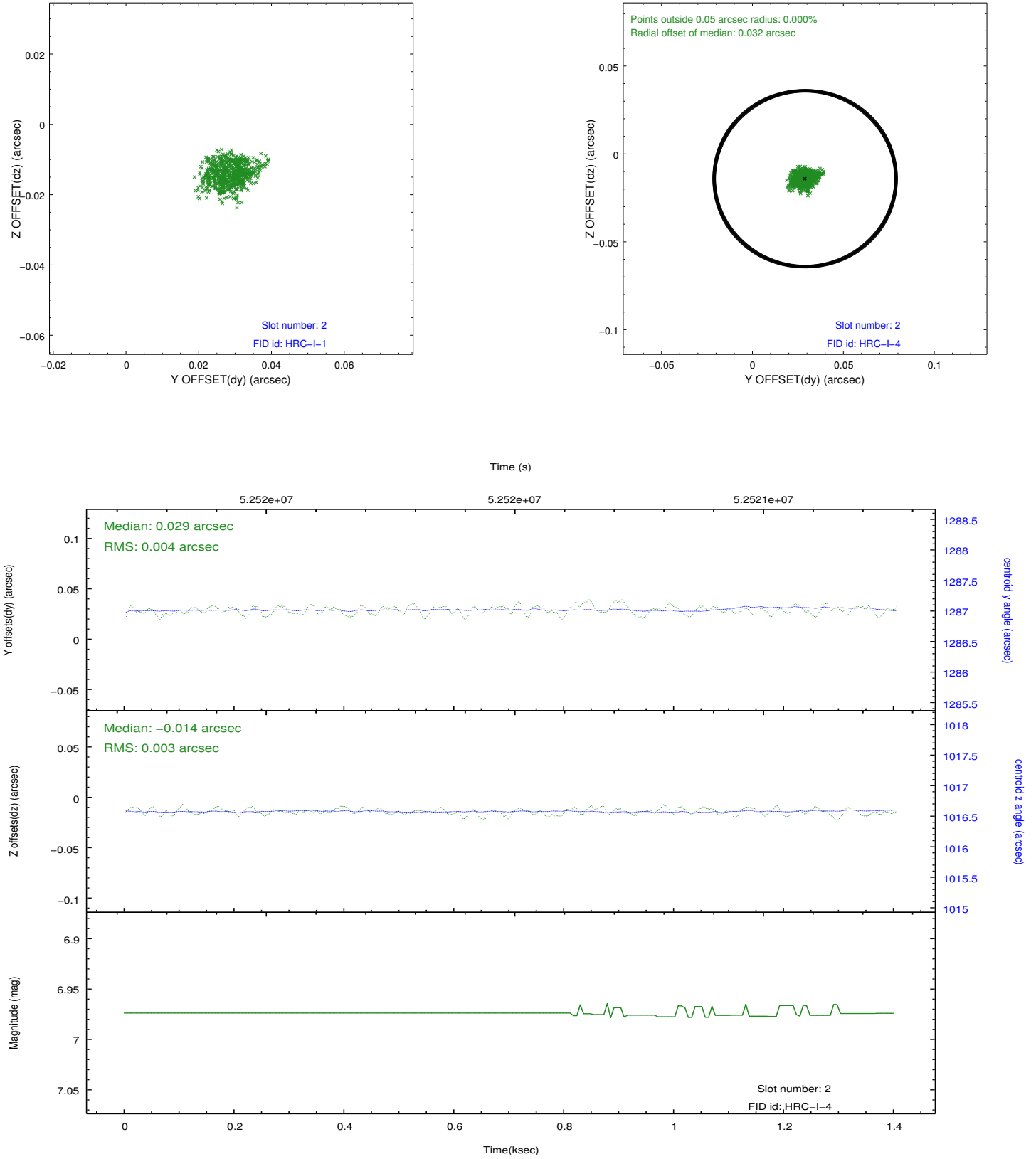
2.5.1 Slot 0



2.5.2 Slot 1

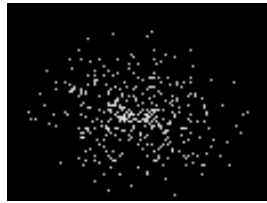


2.5.3 Slot 2



3 Point Sources

13.14 arcmin



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.21
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	0.794

A.2 Comments

HRC-I series of focus observations around the revised focus. HRC using manual commanding to revised focus position (-560) while maneuvering for the observation

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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.