

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 1164 - L2 Version 6
Chandra X-Ray Center

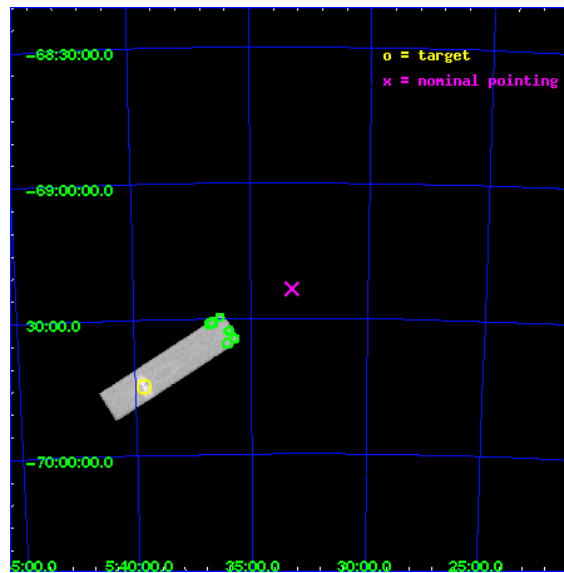
L2 Processing Date : Dec 2 2009

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1 Front

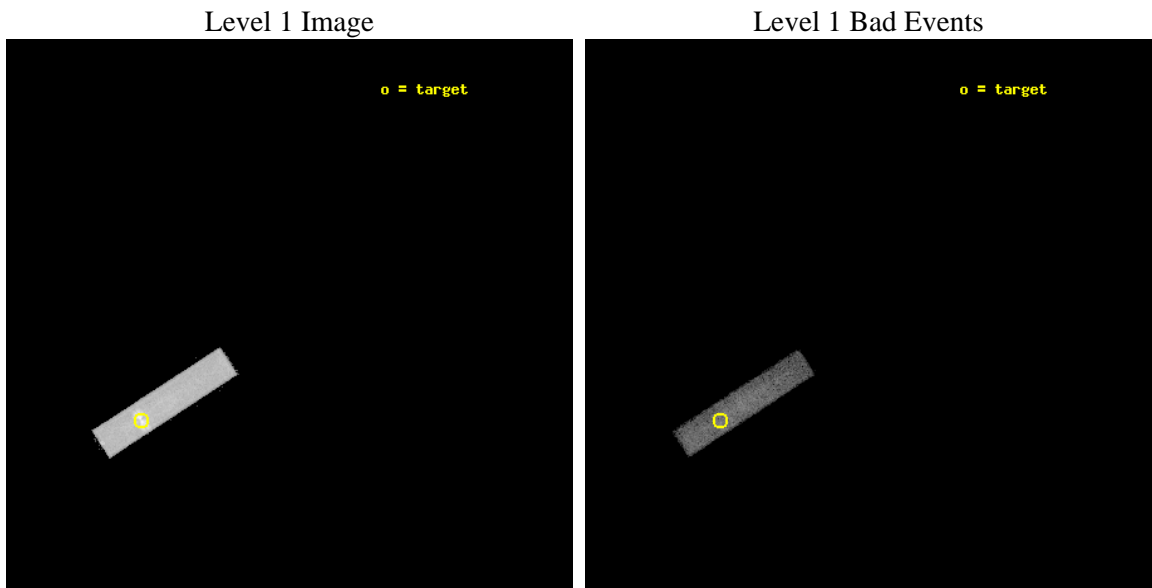
seq_num	480114	Sequence number
obs_id	1164	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	83.3115827096	Nominal RA
dec_nom	-69.391648545048	Nominal Dec
roll_nom	327.10388309754	Nominal Roll
revision	6	Processing version of data
ontime	2205.0313301086	[s]
livetime	2191.8004606079	Ontime multiplied by DTCOR
l2events	83521	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	Scheduled observation exposure time
ascdsver	8.1.2	Processing system revision	ontime	2205.0313301086	[s]
caldbver	4.1.4	 	l1events	123319	Number of level 1 events
date	2009-12-02T19:33:32	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

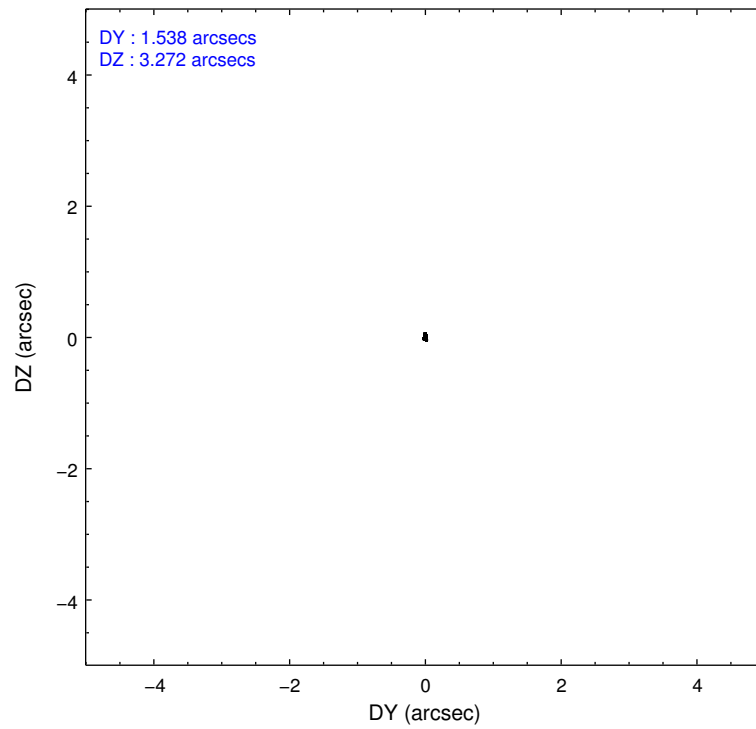
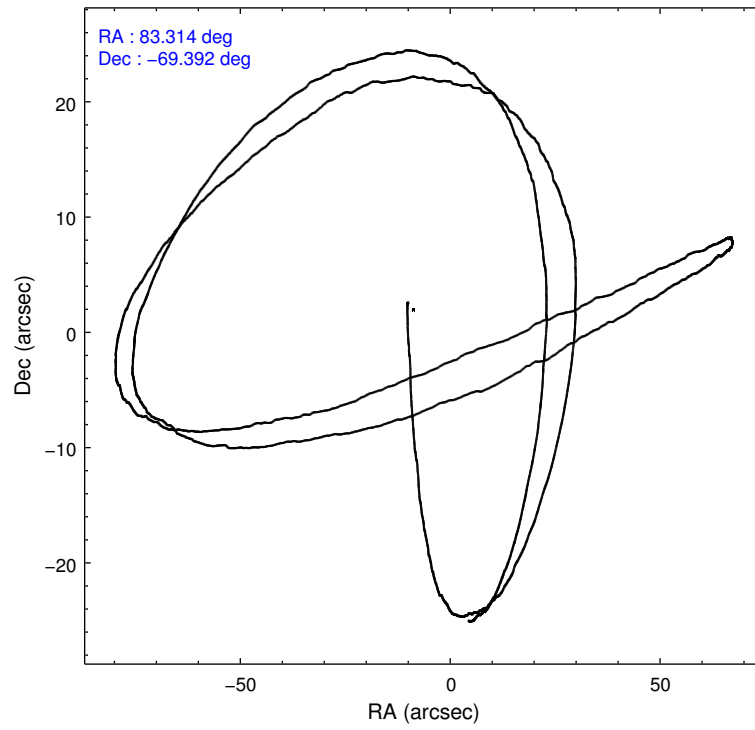
	segment 1	segment 2	segment 3
level 1 events	0	43	123276
rejected events	0	31	31480
rejected %	0%	72%	25%

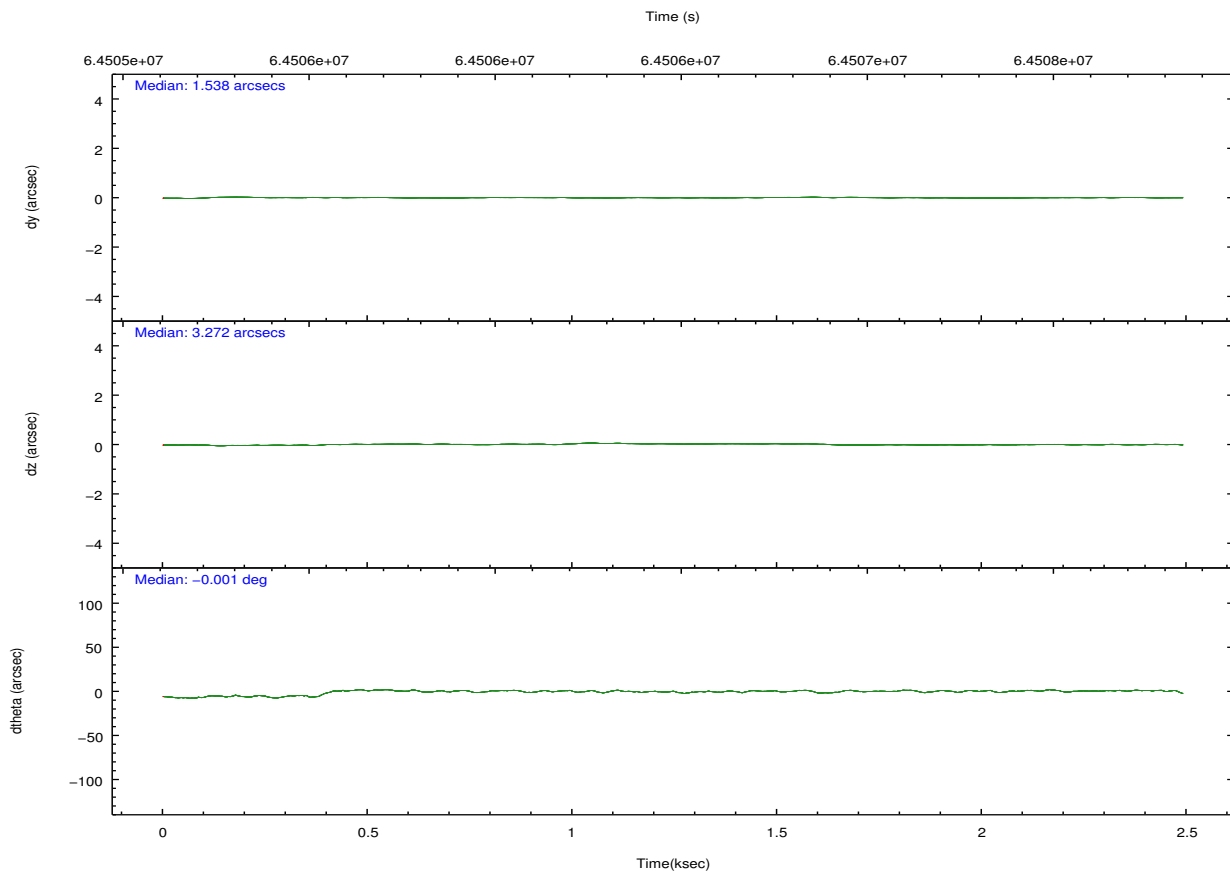
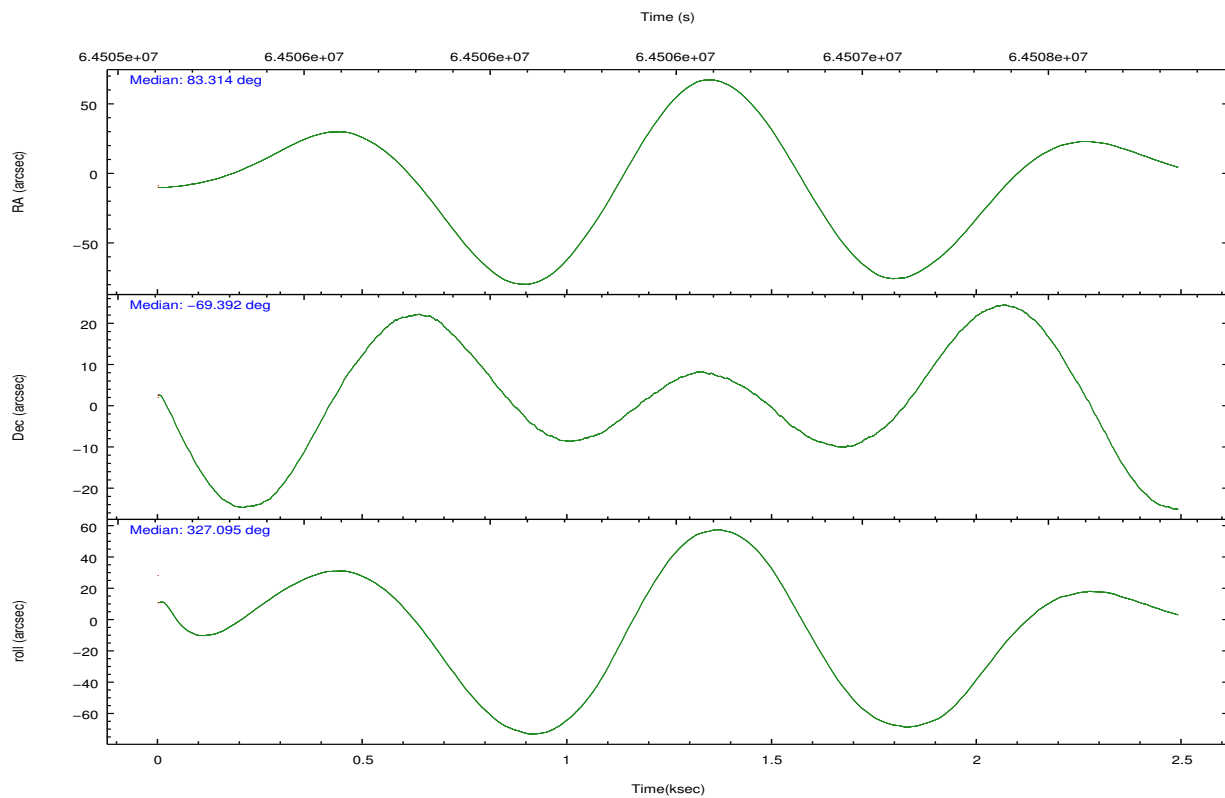
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	83.228746	83.31158270960015
Pointing Dec	-69.390751	-69.39164854504796
Pointing Roll	326.958888	327.1038830975373
SIM focus pos (mm)	-1.528523	-1.428180813131781
SIM defocus (mm)	0.004813771043328752	0.1051558262725154
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	64505724.184000	64505058.149904
Observation start date	2000-01-17T14:14:20	2000-01-17T14:04:18
Observation end time	64507724.184000	64507858.450006
Observation end date	2000-01-17T14:47:40	2000-01-17T14:50:58

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



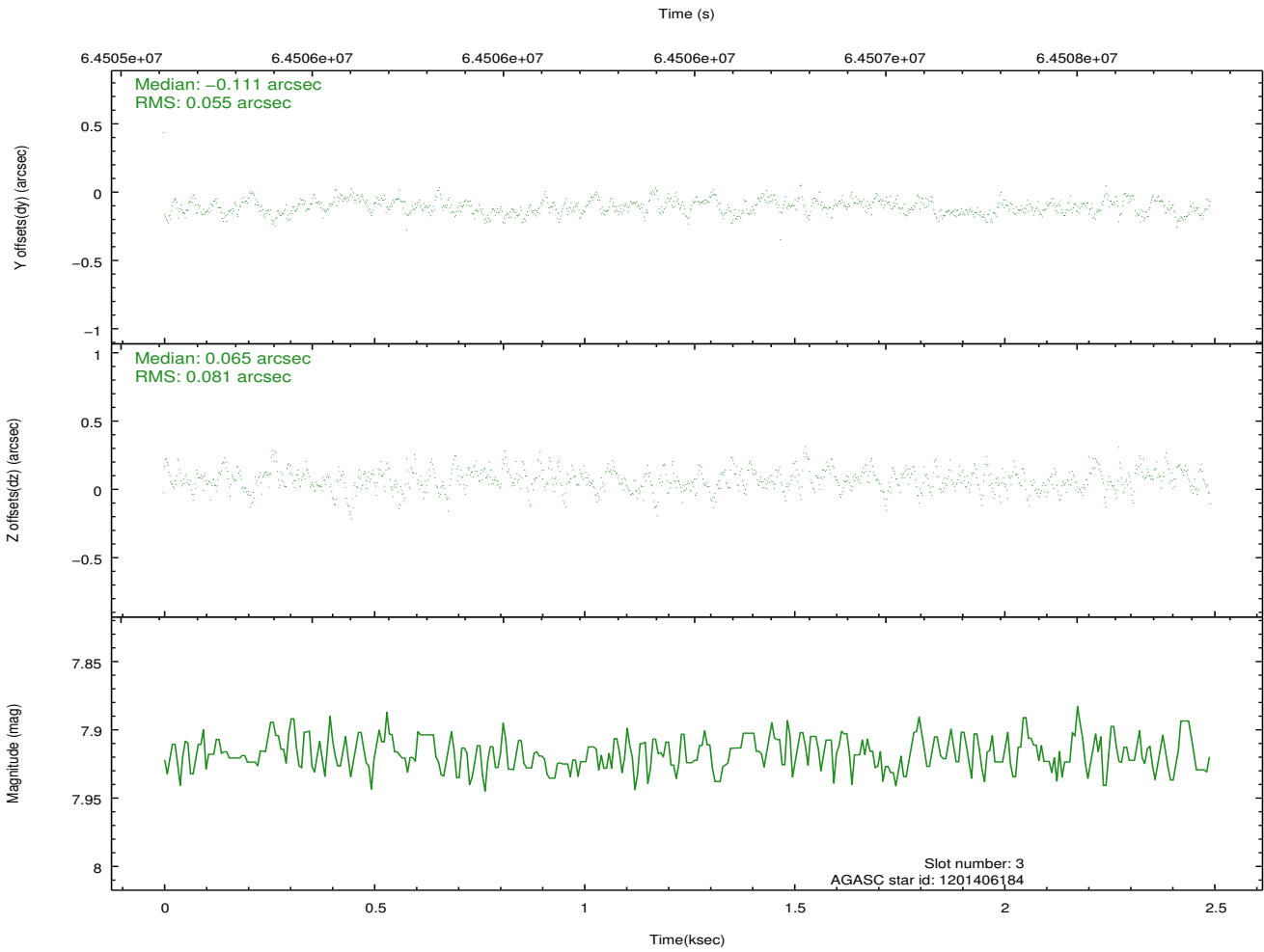
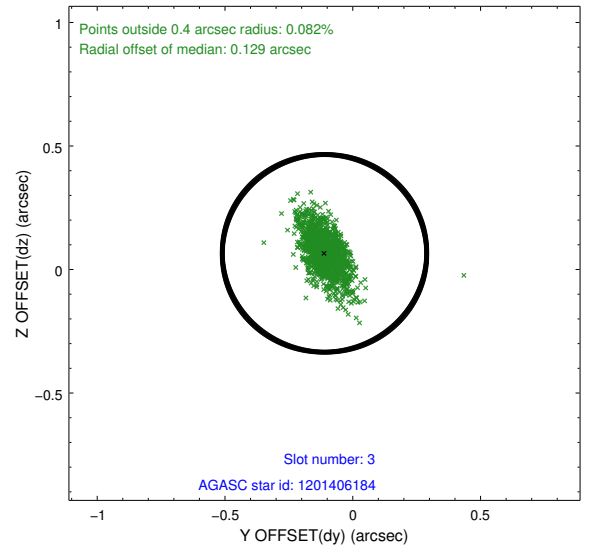
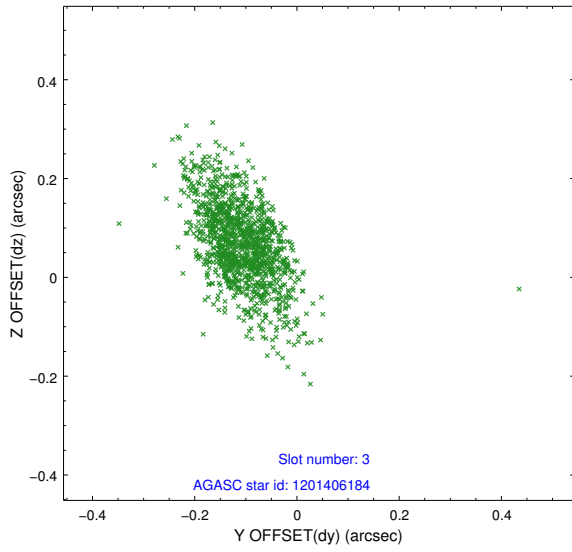


Slot Statistics

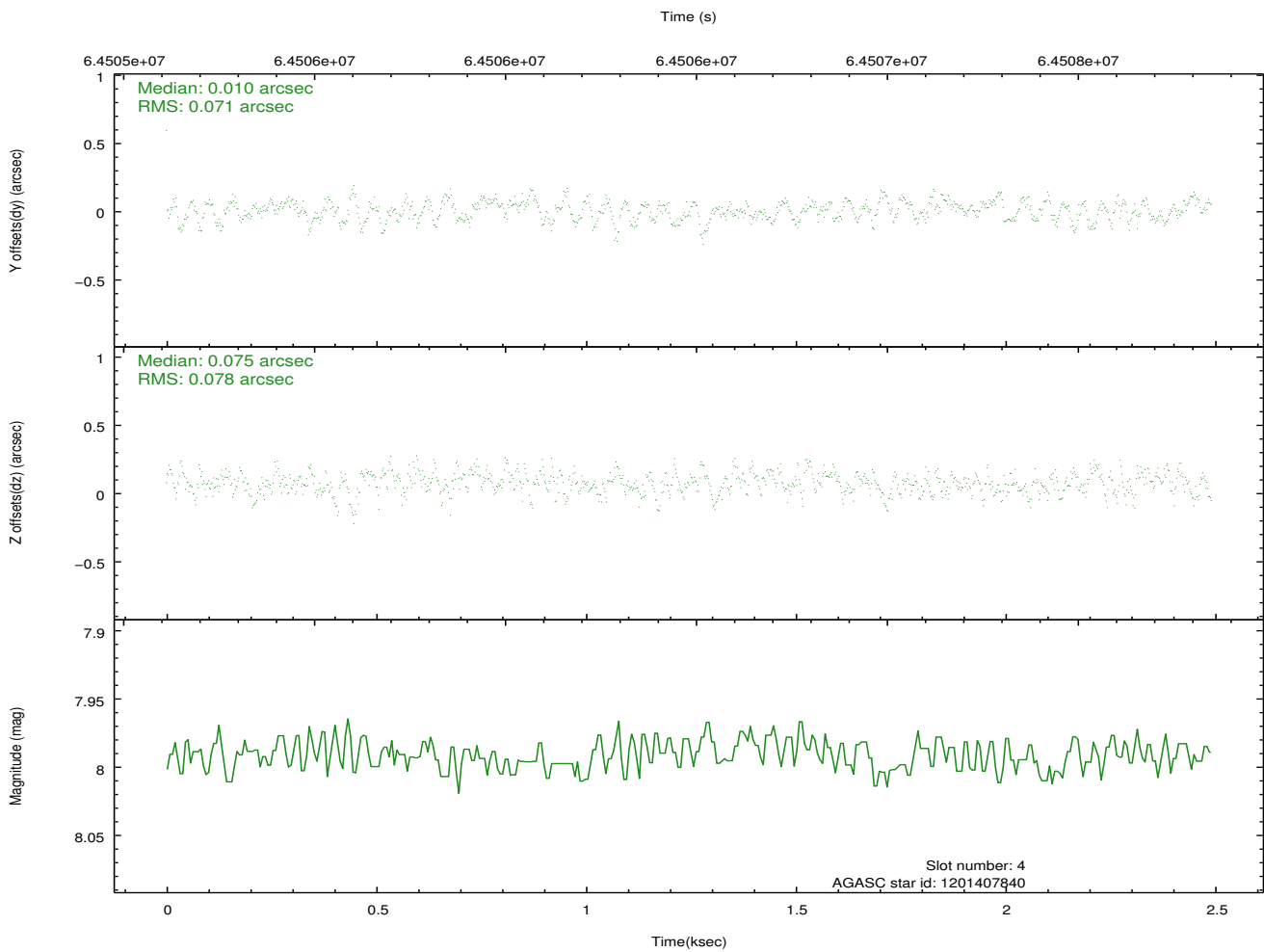
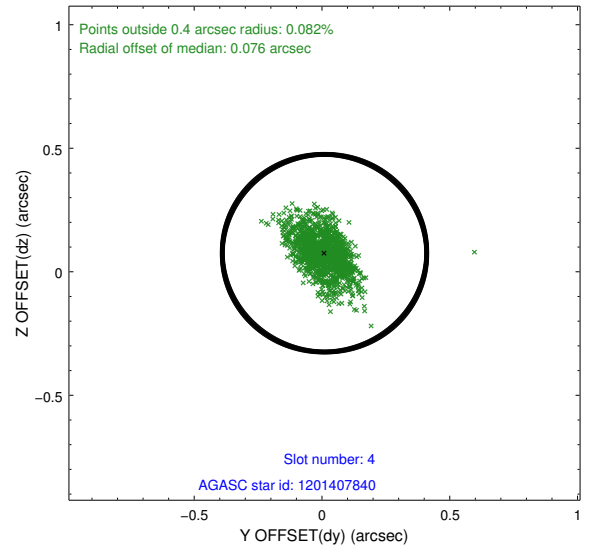
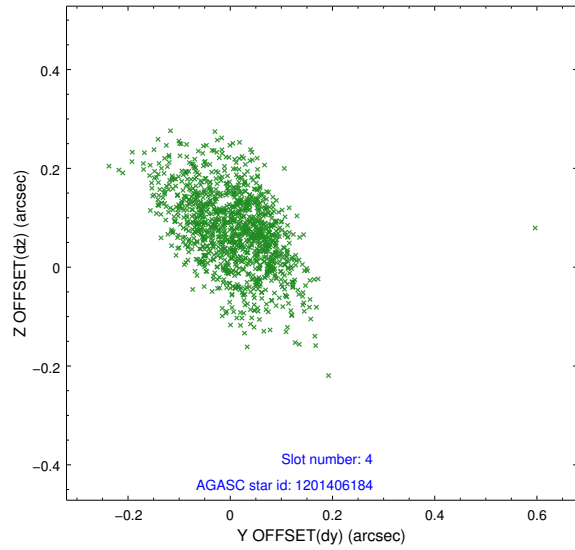
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	608	0.121	-0.055	0.007	0.016	0.000000	0.000000	-1155.58	-451.60
1	FID	HRC-S-3	6.99	608	0.139	-0.145	0.008	0.022	0.000000	0.000000	-1160.15	577.10
2	FID	HRC-S-4	6.94	608	0.127	-0.096	0.006	0.013	0.000000	0.000000	1240.81	581.32
3	GUIDE	1201406184	7.92	1215	-0.111	0.065	0.095	0.184	82.503234	-69.975517	399.57	-2256.18
4	GUIDE	1201407840	7.99	1216	0.010	0.075	0.108	0.185	83.696303	-70.172201	2012.73	-2049.76
5	GUIDE	1200885760	9.49	1215	0.000	-0.162	0.121	0.204	83.723637	-68.777667	-661.94	2198.13
6	GUIDE	1200883536	9.88	1216	0.100	0.027	0.135	0.219	83.119228	-69.218429	-457.73	445.87
7	BAD	1200883712	11.00	1142	0.036	0.001	0.251	0.437	82.967832	-68.544140	-1951.76	2366.93

2.4 Star Slots

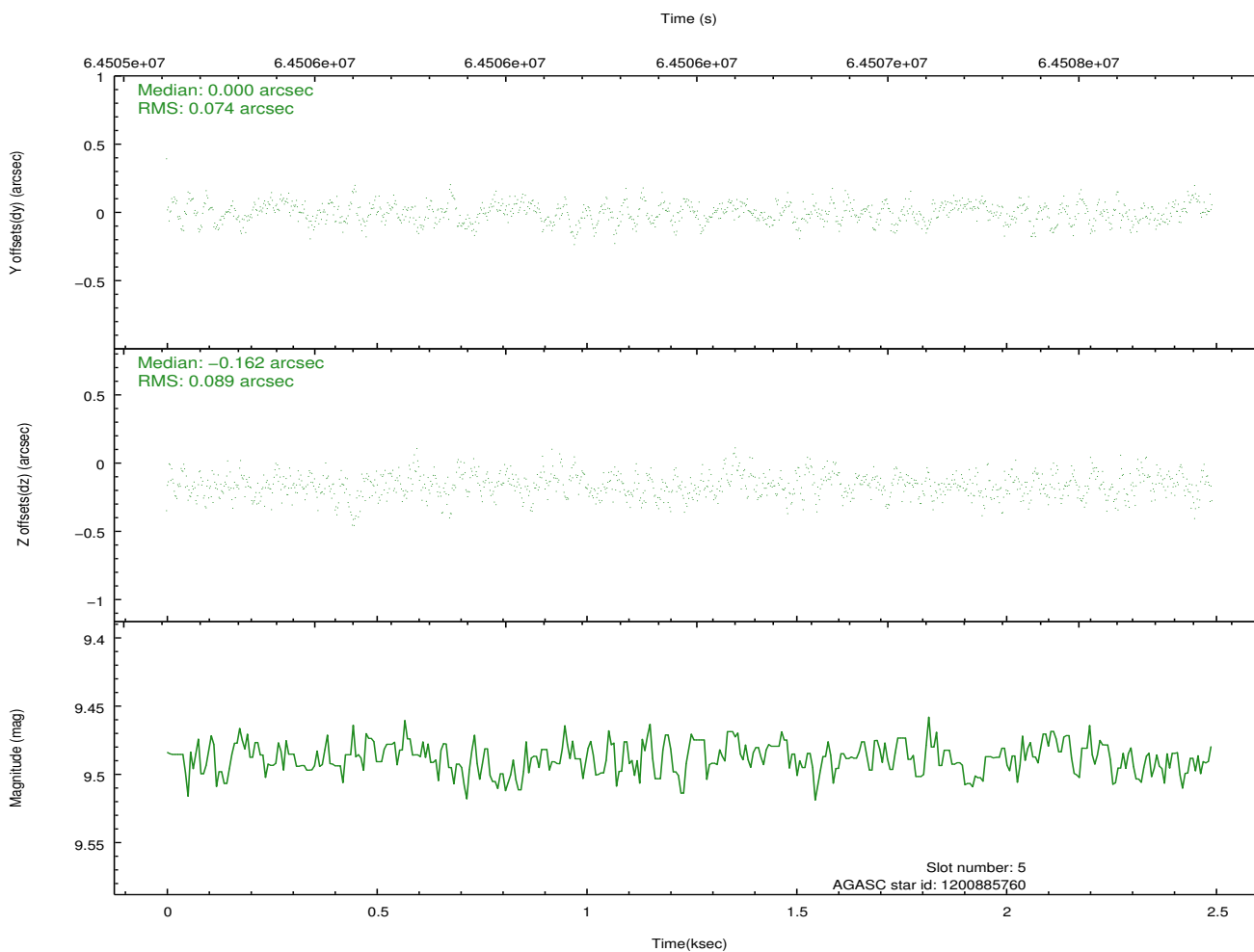
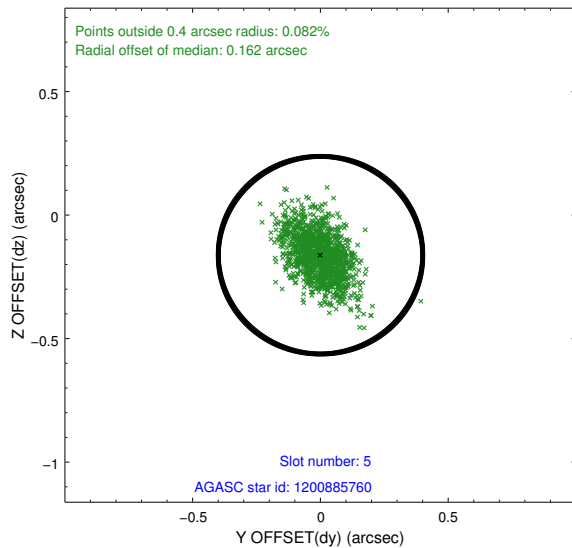
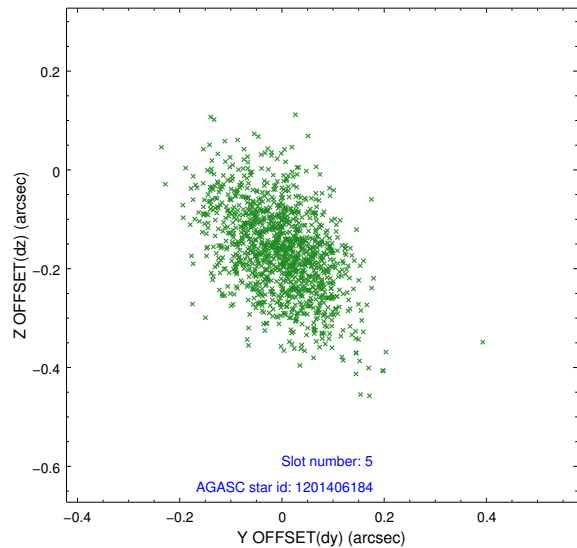
2.4.1 Slot 3



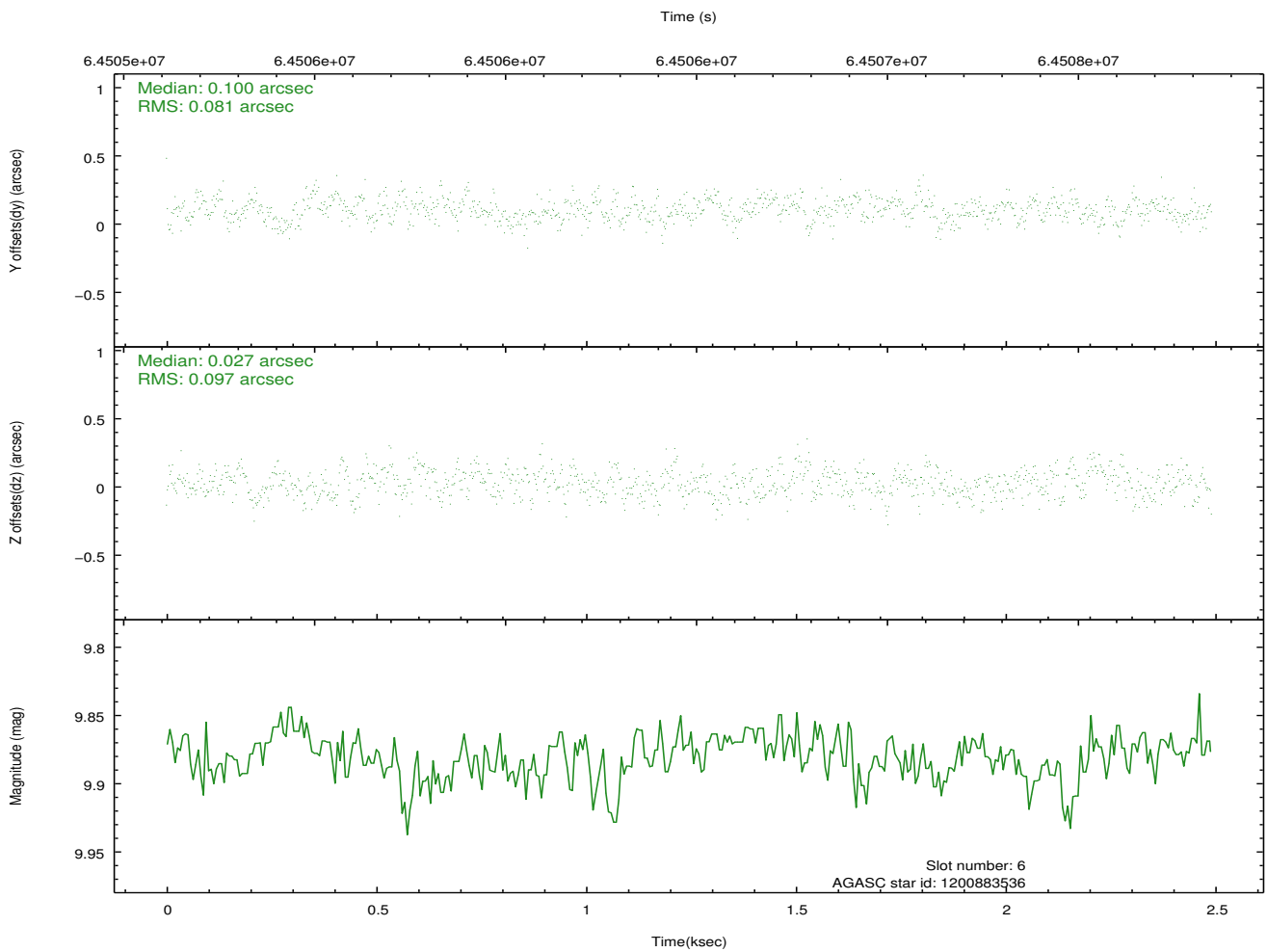
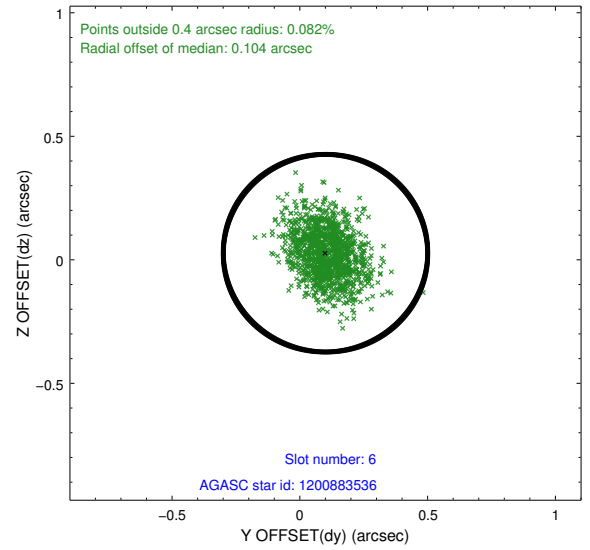
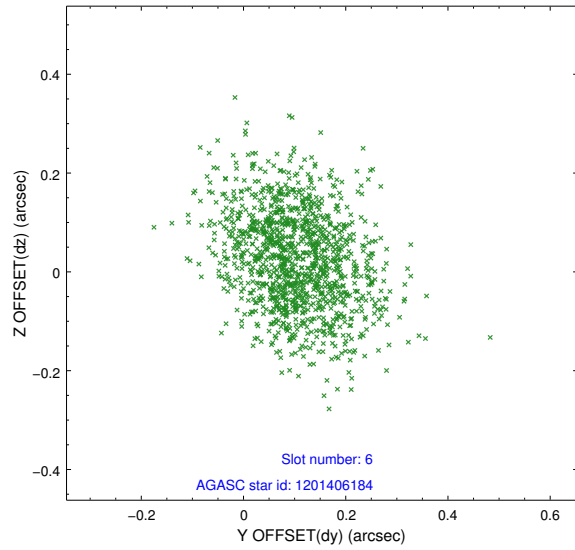
2.4.2 Slot 4



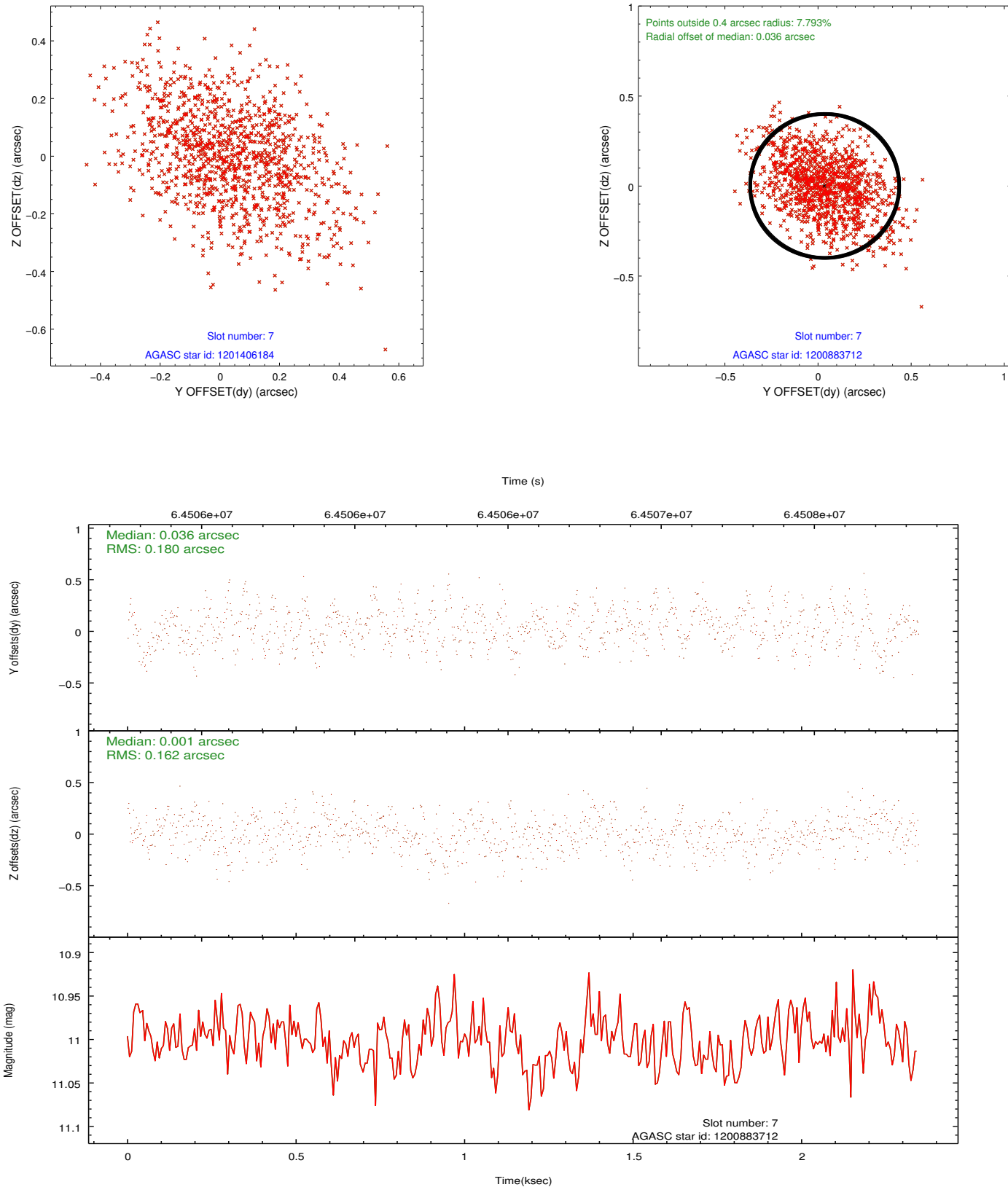
2.4.3 Slot 5



2.4.4 Slot 6

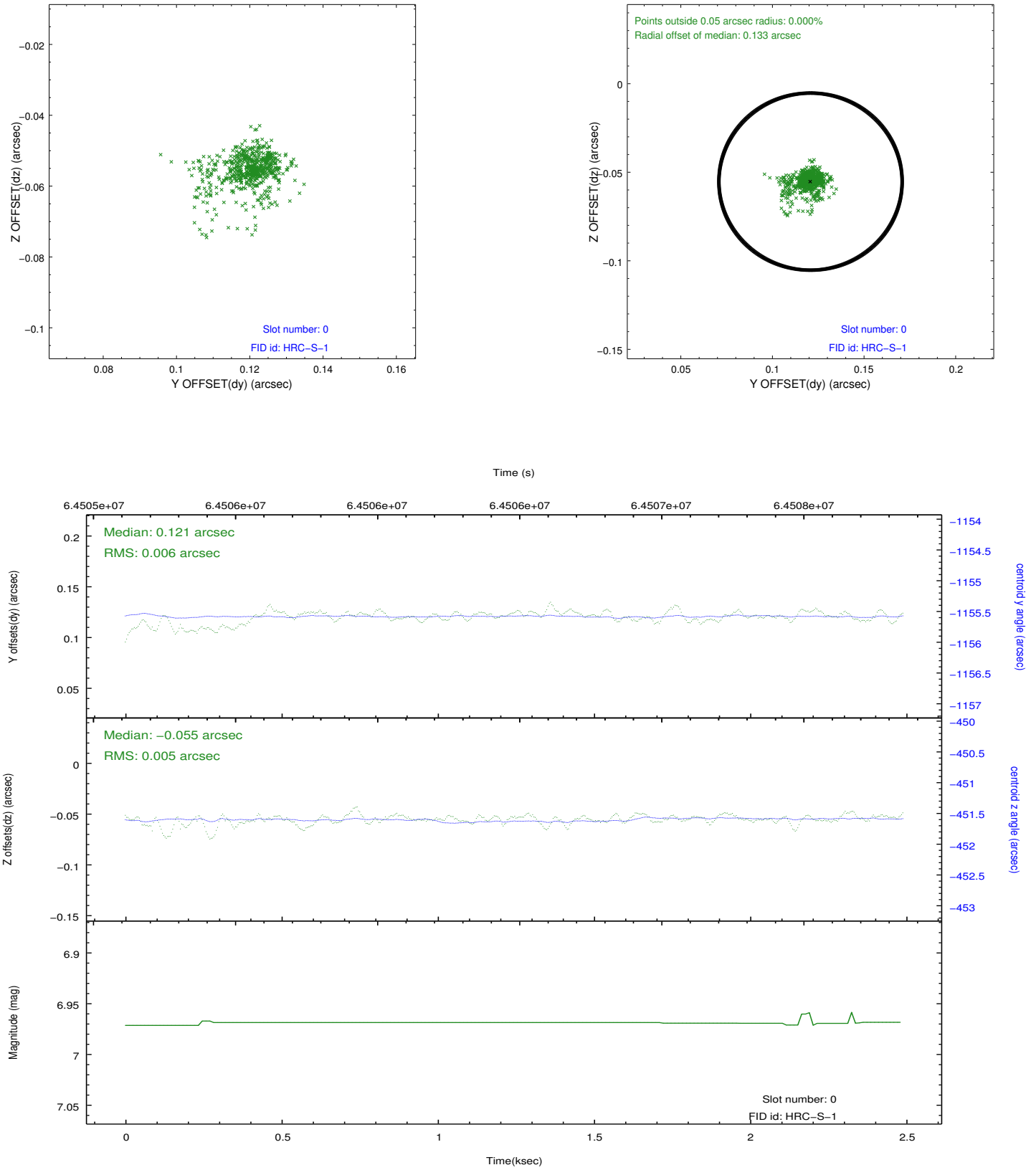


2.4.5 Slot 7

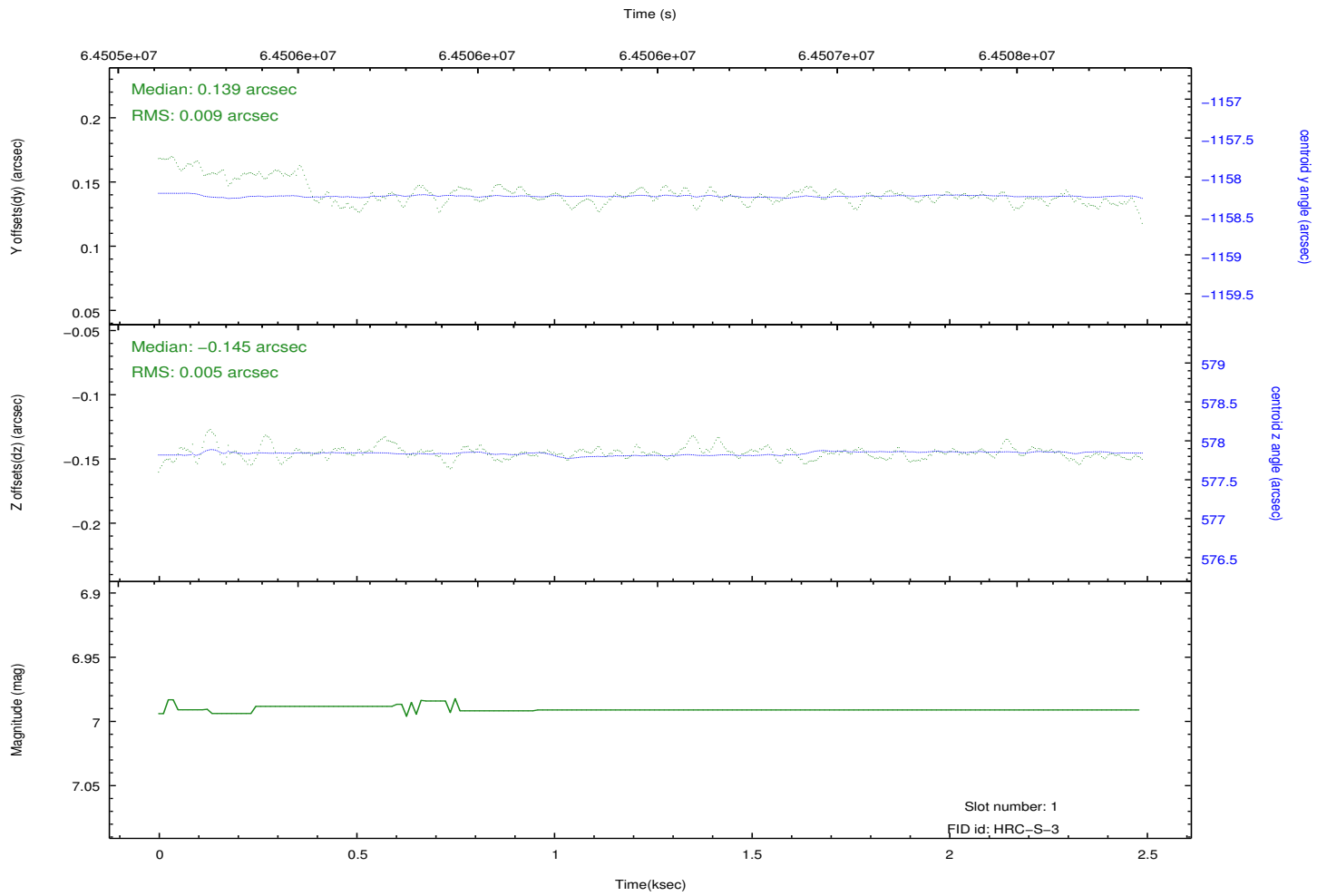
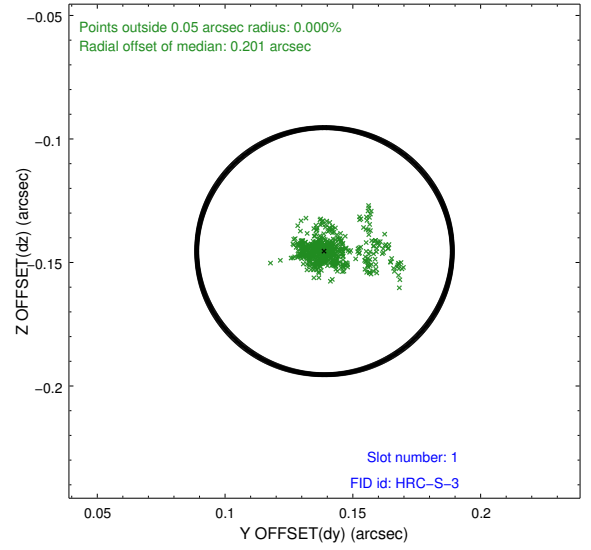
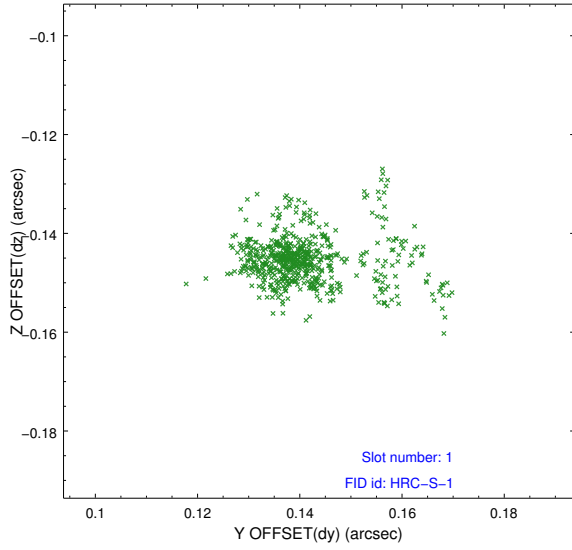


2.5 FID Slots

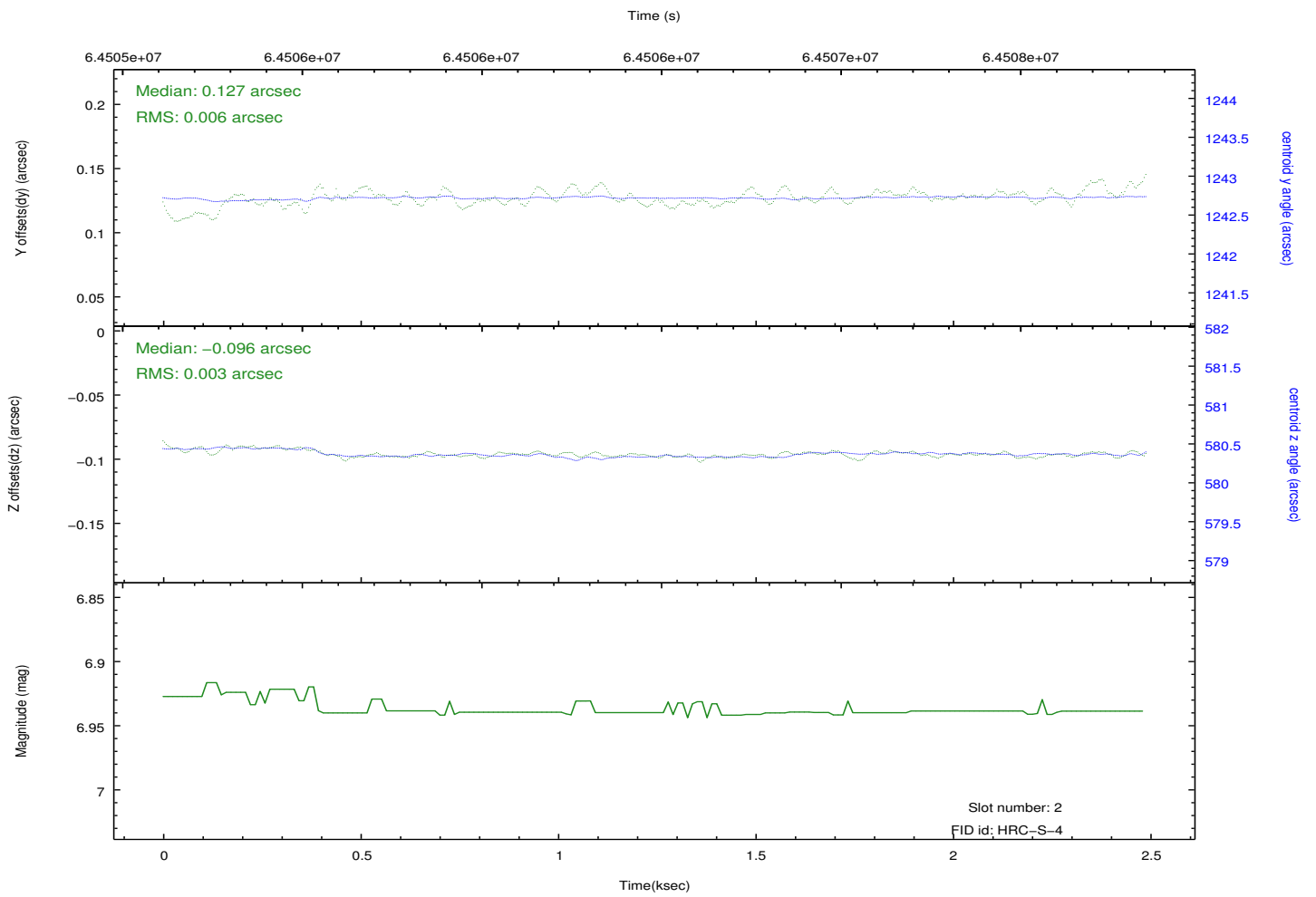
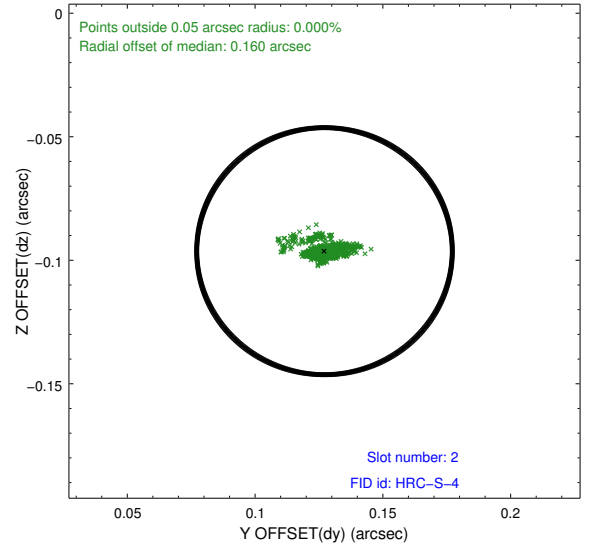
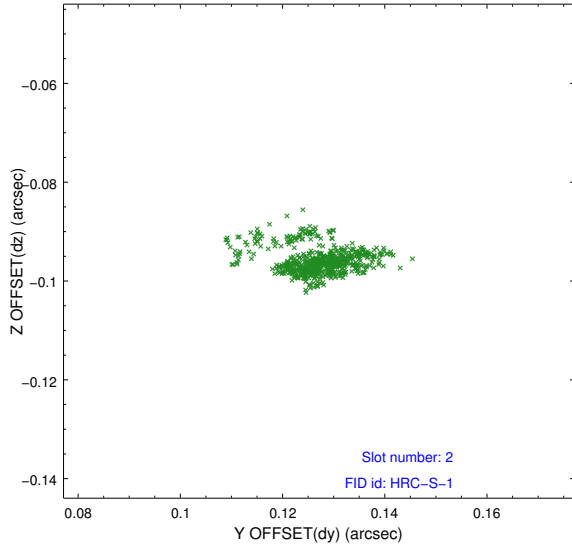
2.5.1 Slot 0



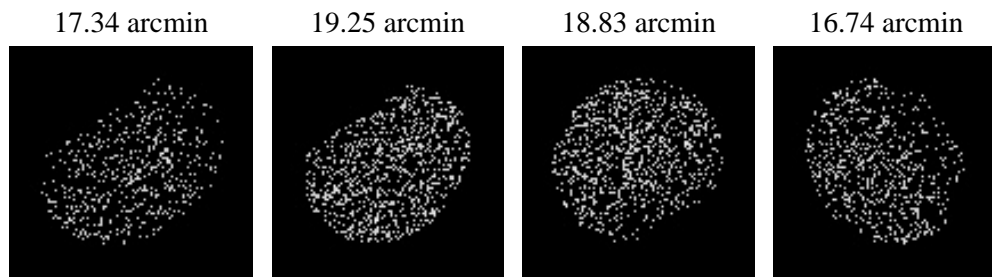
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.205

A.2 Comments

Target is very off-axis.=====

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 guide star from the solution.