

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3682 - L2 Version 3
Chandra X-Ray Center

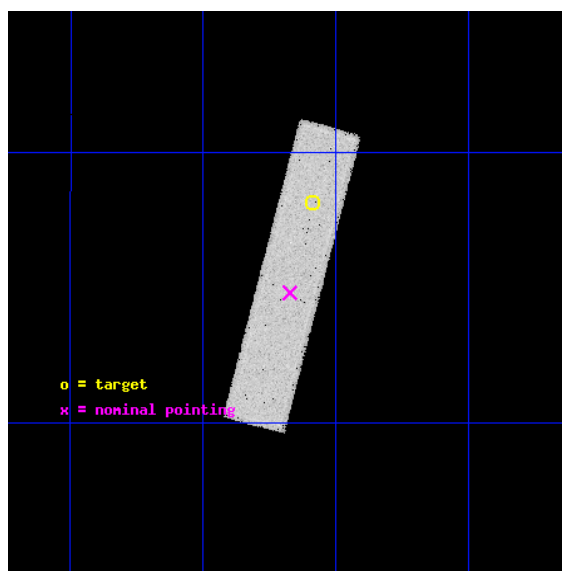
L2 Processing Date : Oct 22 2012

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1 Front

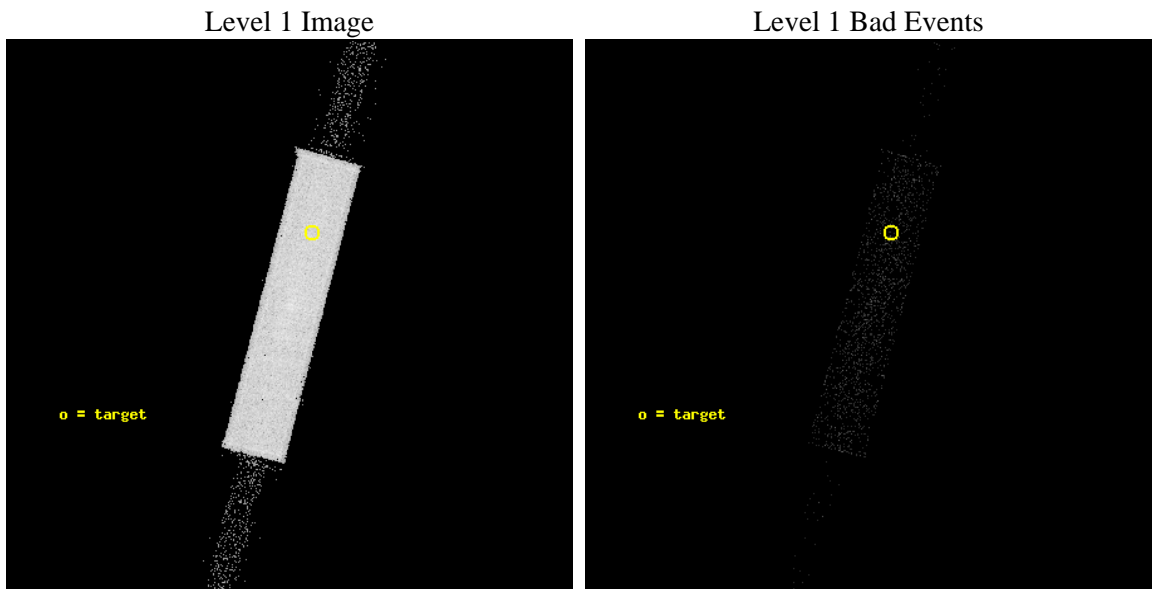
seq_num	290236	Sequence number
obs_id	3682	Observation id
title	AO4 MEASUREMENTS OF THE OPTICAL/UV TRANSMISSION OF THE HRC AND ACIS FILTERS	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	BETELGEUSE	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.836456524914	Nominal RA [deg]
dec_nom	7.2412815950394	Nominal Dec [deg]
roll_nom	284.59149126653	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2142.5063399374	[s]
livetime	2131.3164575638	Ontime multiplied by DTCOR
l2events	72746	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2142.5063399374	[s]
caldsver	4.5.2	 	l1events	109801	Number of level 1 events
date	2012-10-22T04:02:52	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

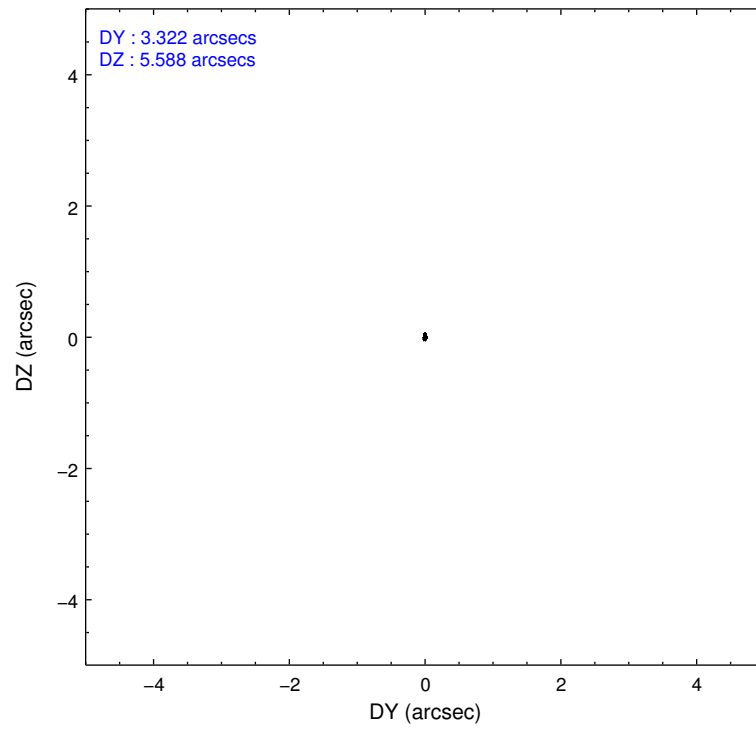
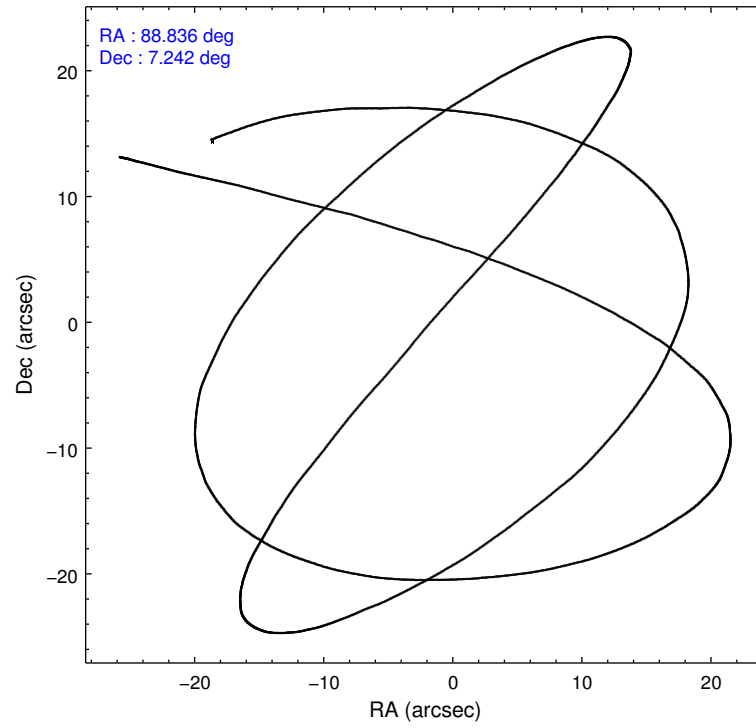
Level 1 Events

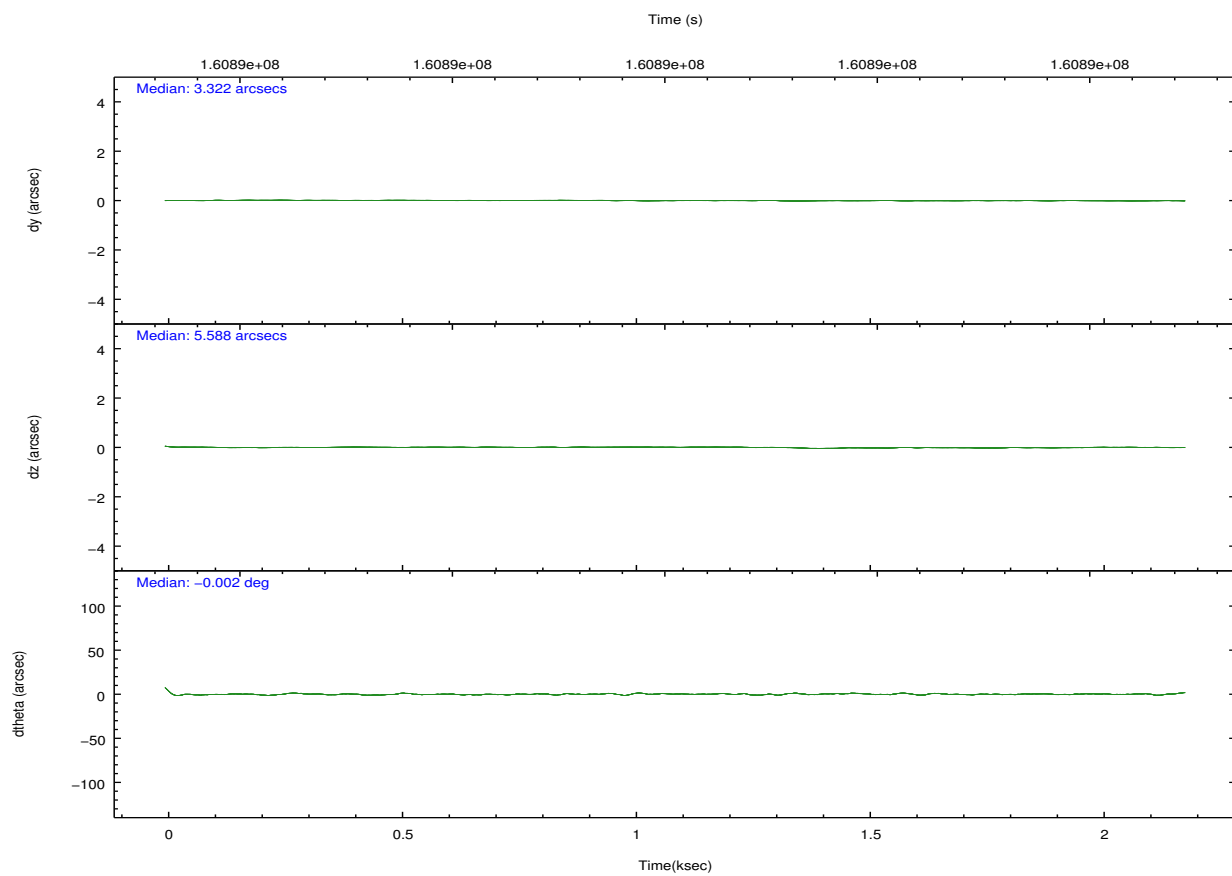
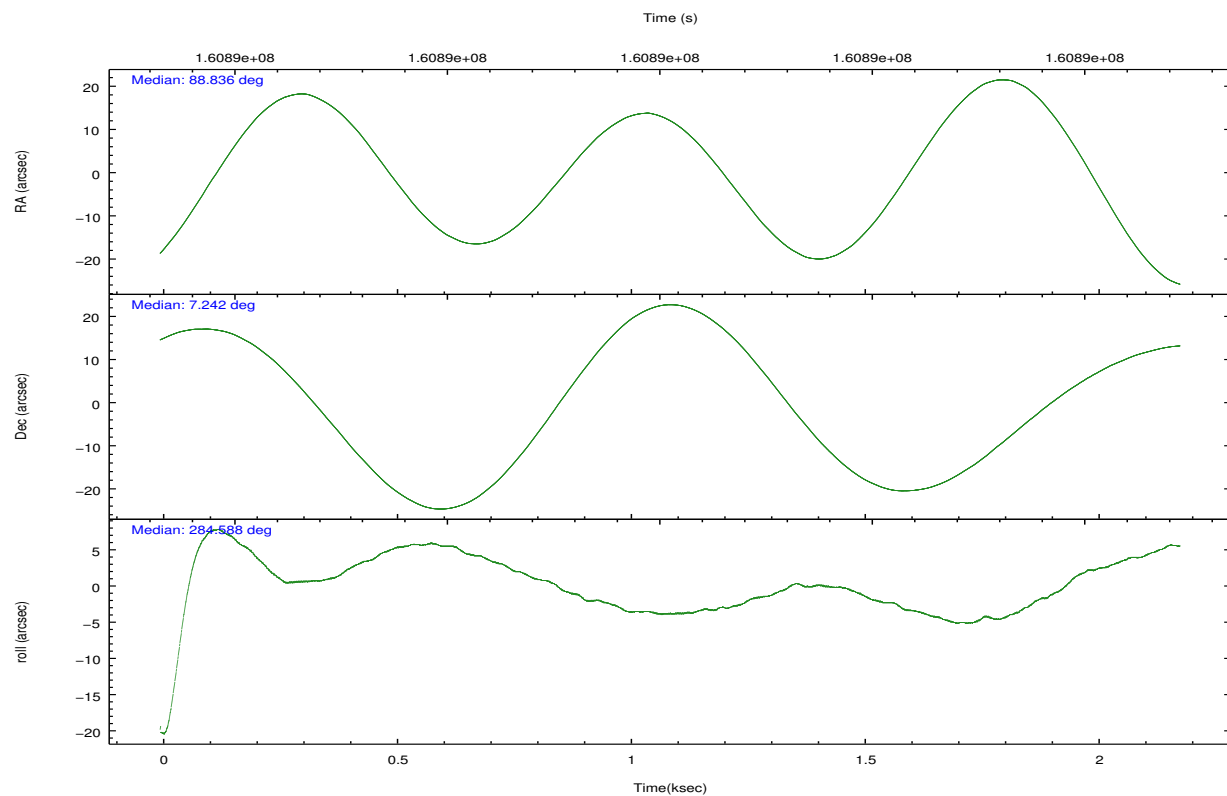
	segment 1	segment 2	segment 3
level 1 events	1375	107132	1294
rejected events	1375	15771	1294
rejected %	100%	14%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	88.814891	88.83645652491442			
[deg] Pointing Dec	7.260496	7.2412815950394			
[deg] Pointing Roll	284.526914	284.5914912665272			
[s] Window start time (MET)	160488064.184000	160488064.184000			
[s] Window stop time (MET)	162820864.184000	162820864.184000			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	160892110.184000	160891733.41066			
Observation start date	2003-02-06T04:14:06	2003-02-06T04:08:53			
[s] Observation end time (MET)	160894110.184000	160894243.63577			
Observation end date	2003-02-06T04:47:26	2003-02-06T04:50:43			

2.3 Aspect



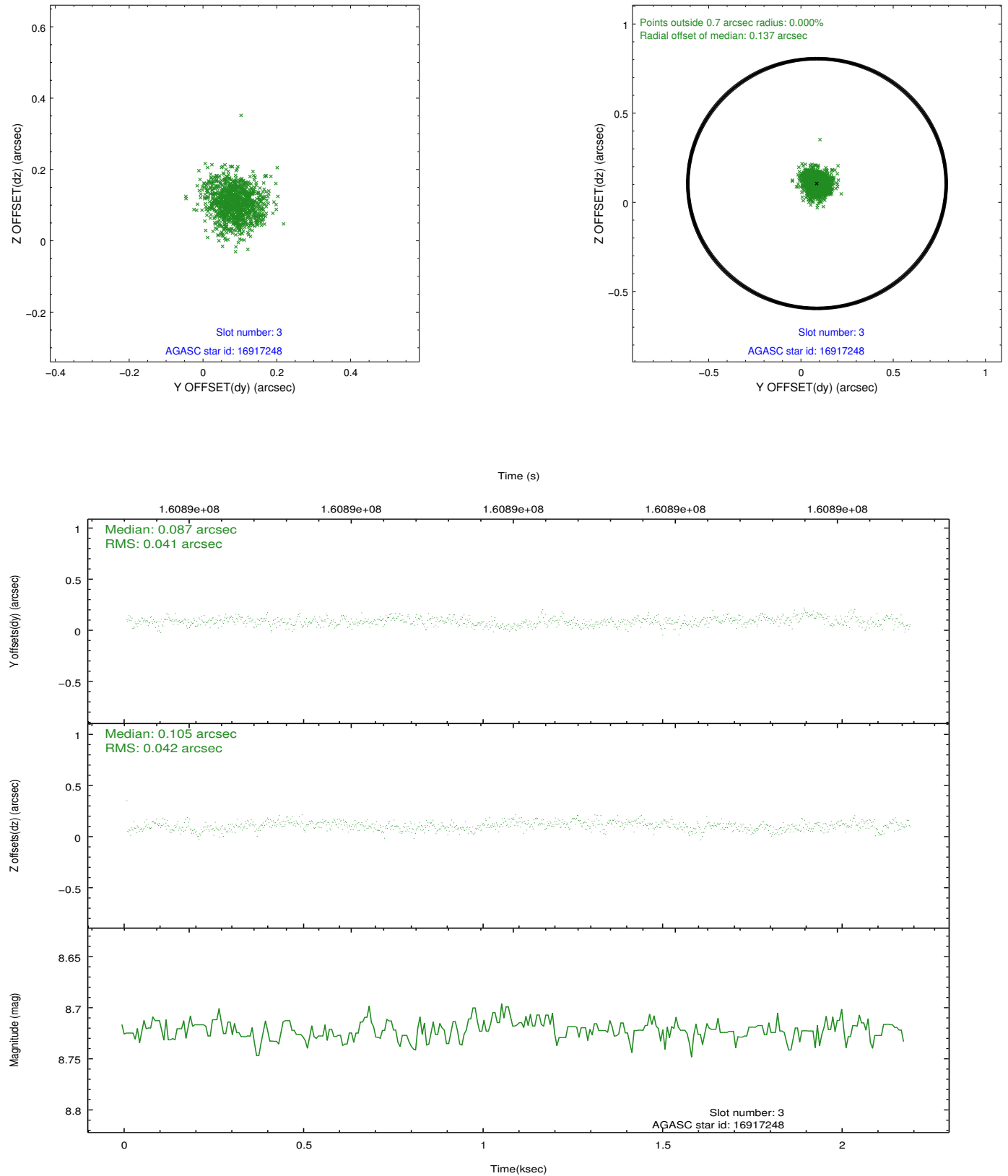


Slot Statistics

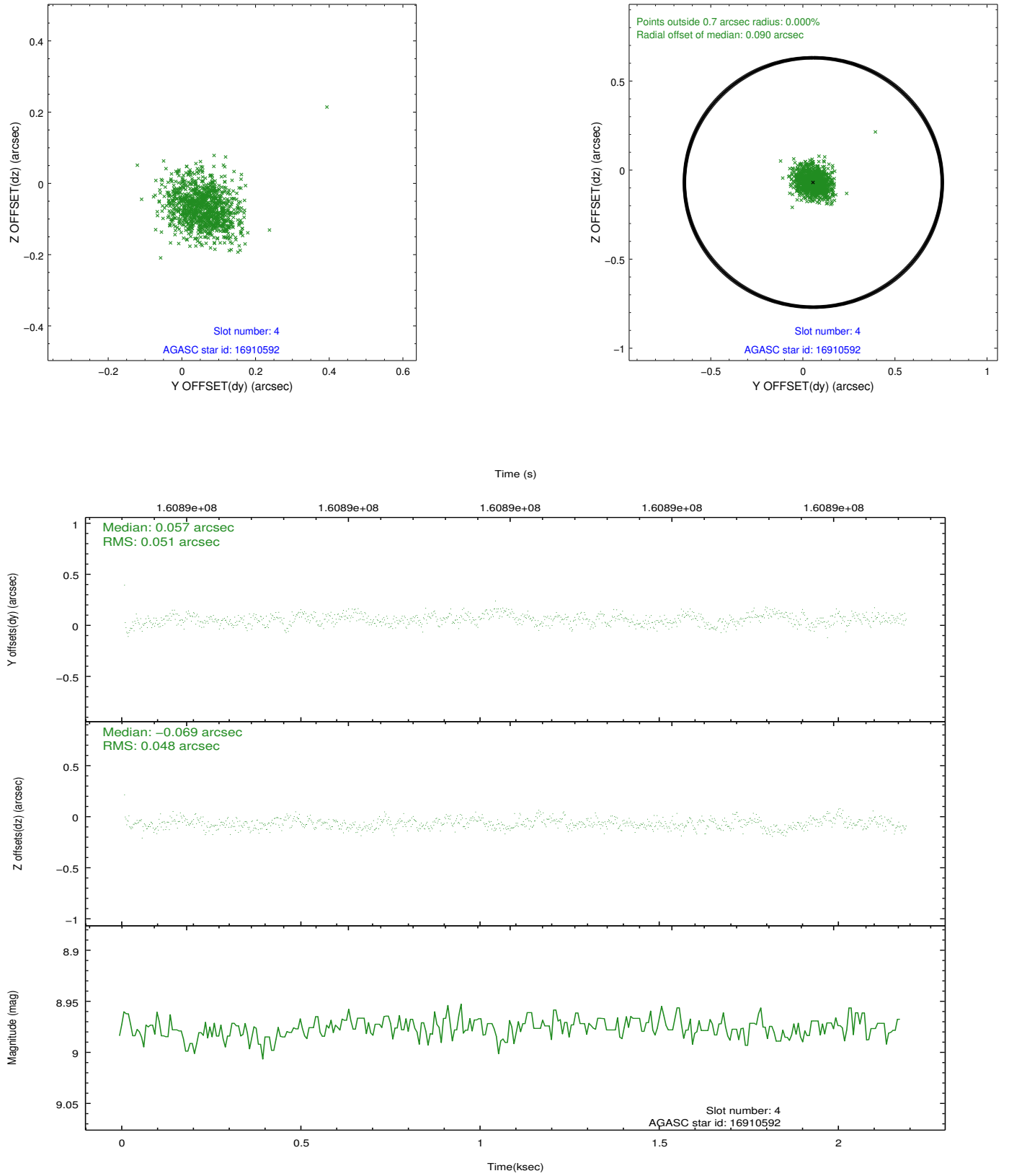
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.00	532	0.111	-0.157	0.008	0.015	0.000000	0.000000	1242.27	-446.79
1	FID	HRC-S-3	7.03	533	0.145	-0.108	0.005	0.009	0.000000	0.000000	-1157.75	574.63
2	FID	HRC-S-4	6.96	532	0.150	-0.031	0.008	0.015	0.000000	0.000000	1238.73	579.15
3	GUIDE	16917248	8.72	1065	0.087	0.105	0.063	0.100	89.306967	6.774731	2133.55	1263.69
4	GUIDE	16910592	8.98	1065	0.057	-0.069	0.074	0.121	88.532936	6.726769	1609.34	-1457.60
5	GUIDE	16918456	9.58	1063	0.038	0.010	0.112	0.178	89.526896	7.059699	1337.69	2279.34
6	GUIDE	93854800	7.58	1064	-0.129	-0.103	0.063	0.099	88.376308	7.655454	-1768.02	-1157.15
7	GUIDE	93855168	9.06	1064	-0.047	0.063	0.081	0.132	89.021483	7.846508	-1859.06	1240.25

2.4 Star Slots

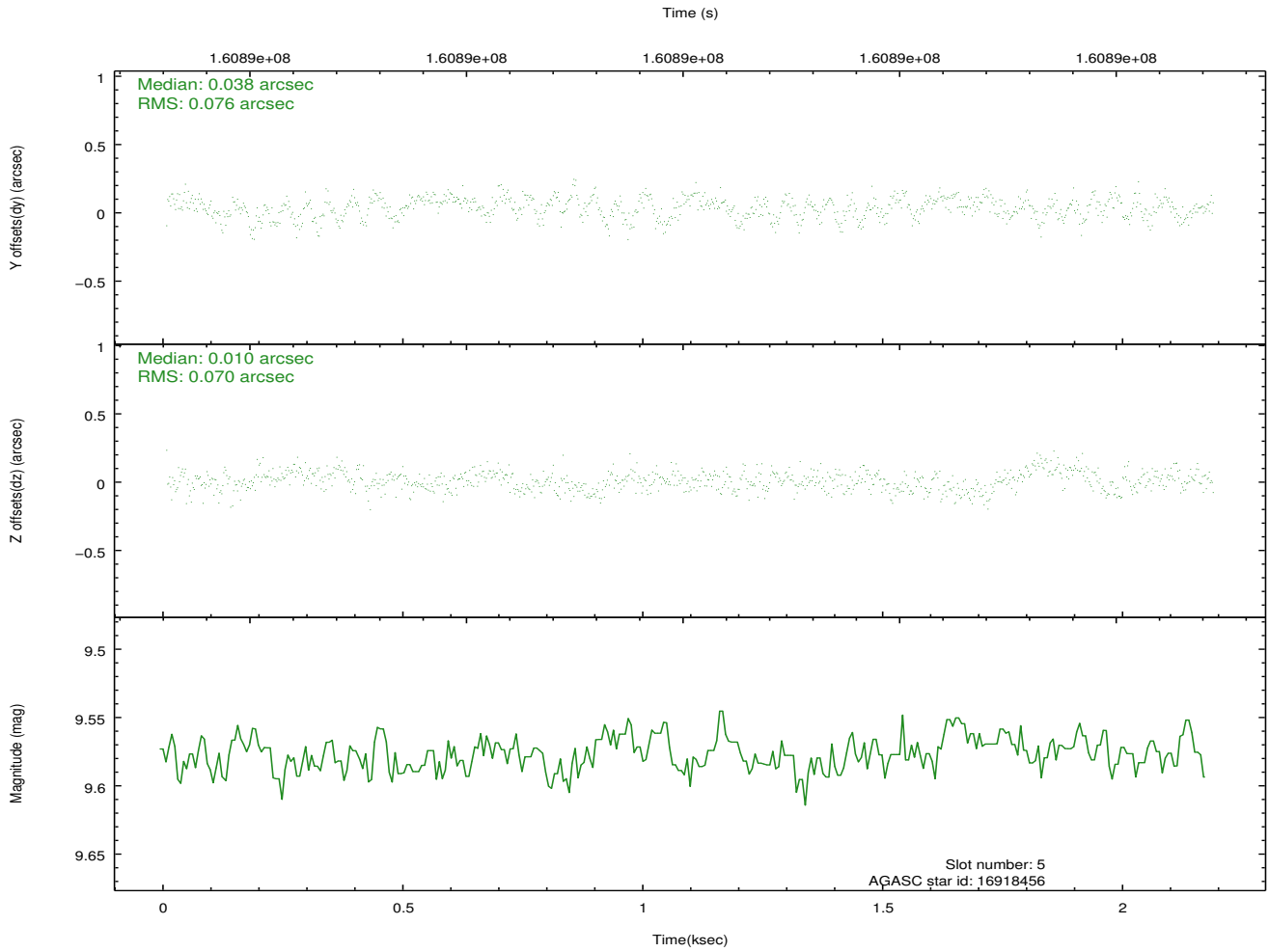
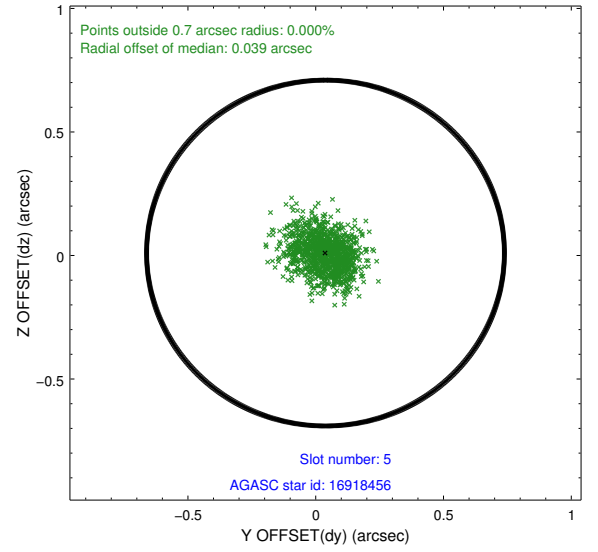
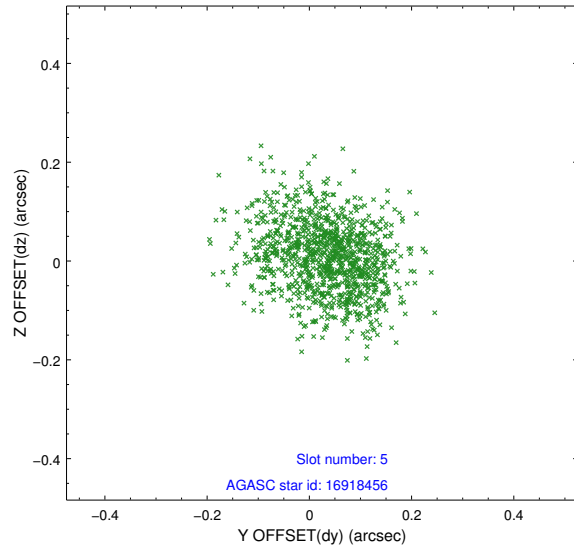
2.4.1 Slot 3



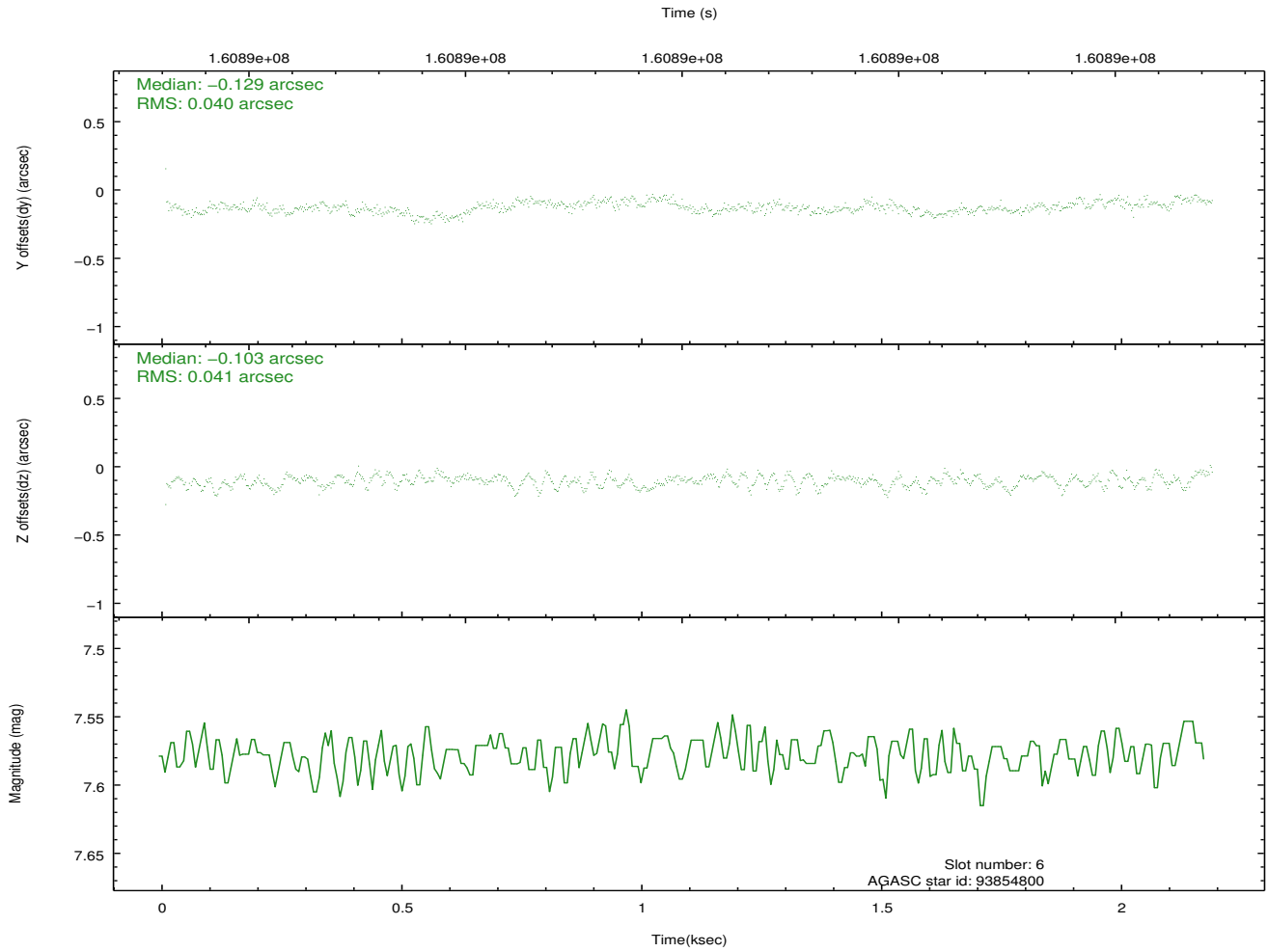
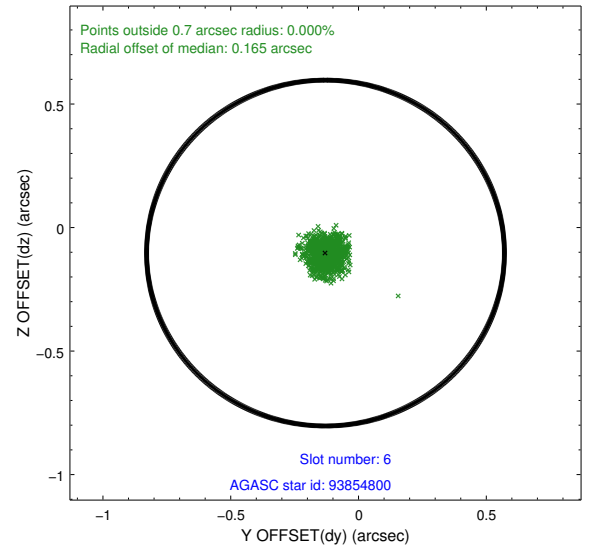
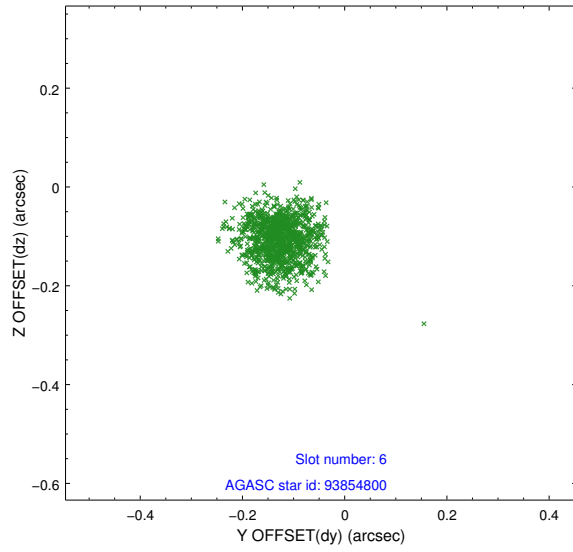
2.4.2 Slot 4



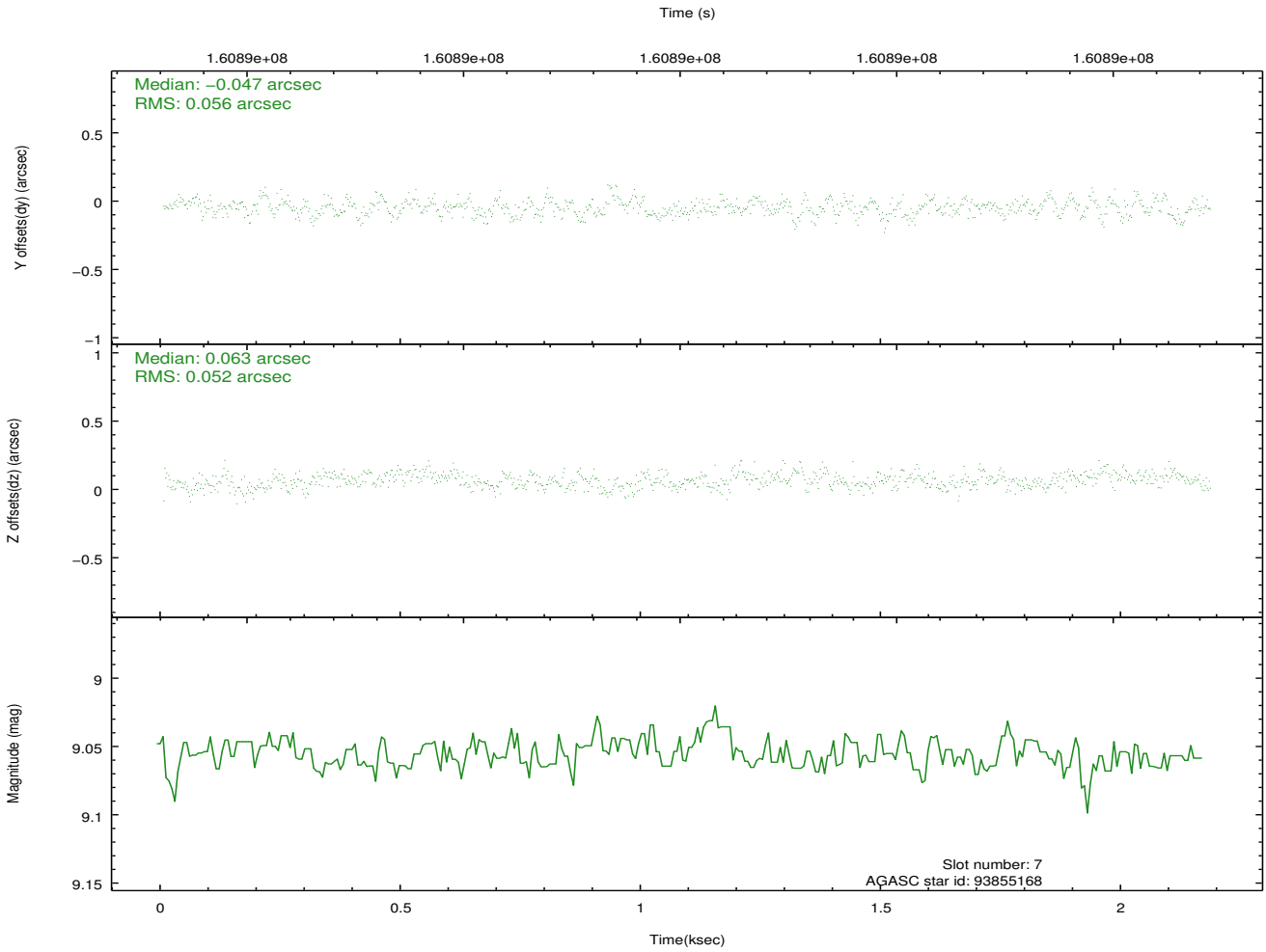
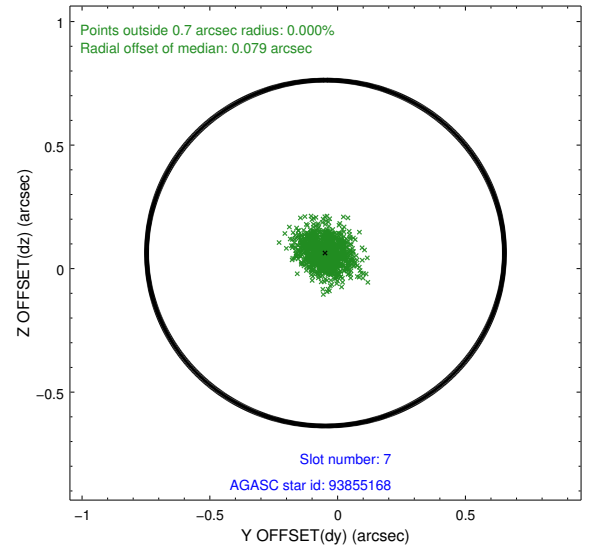
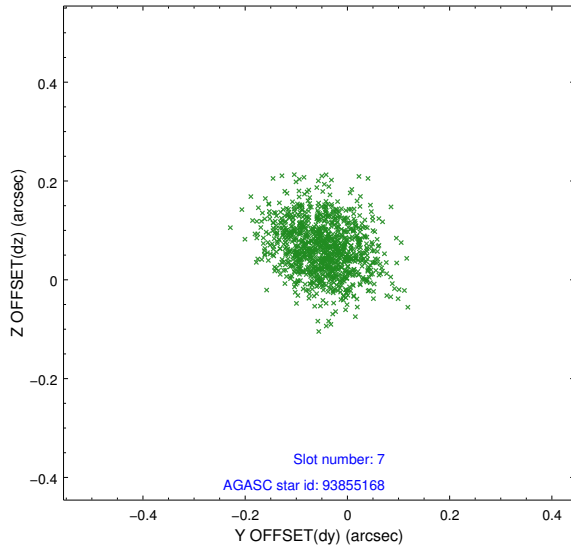
2.4.3 Slot 5



2.4.4 Slot 6

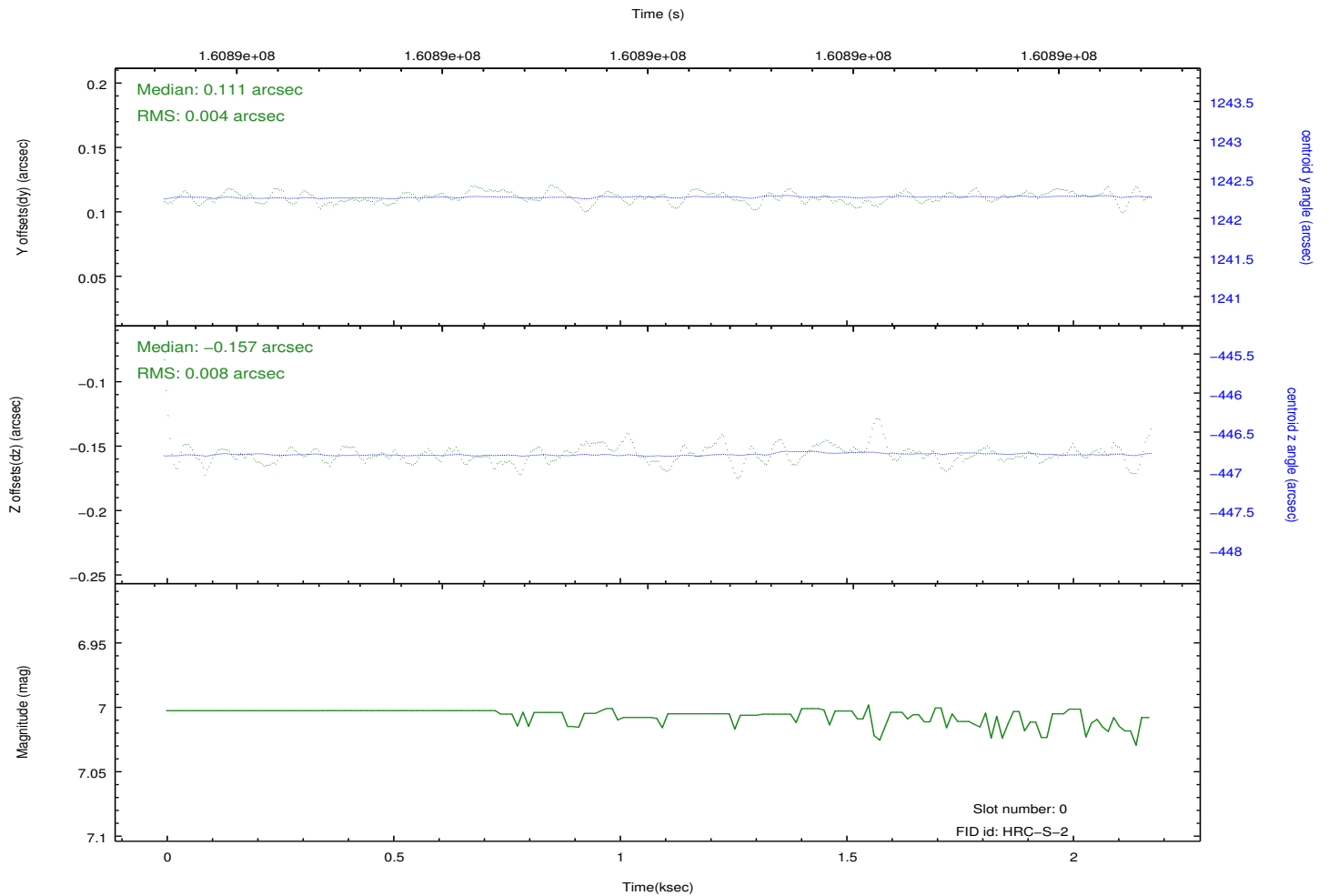
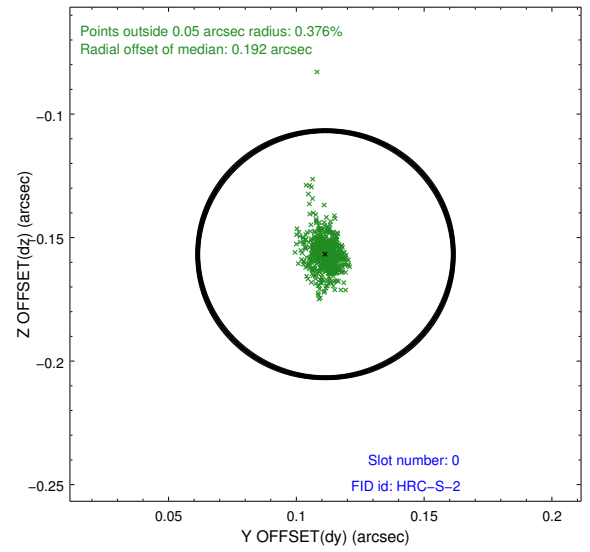
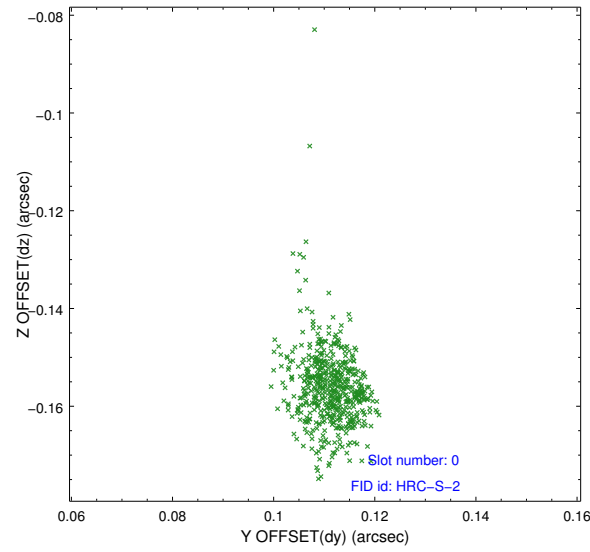


2.4.5 Slot 7

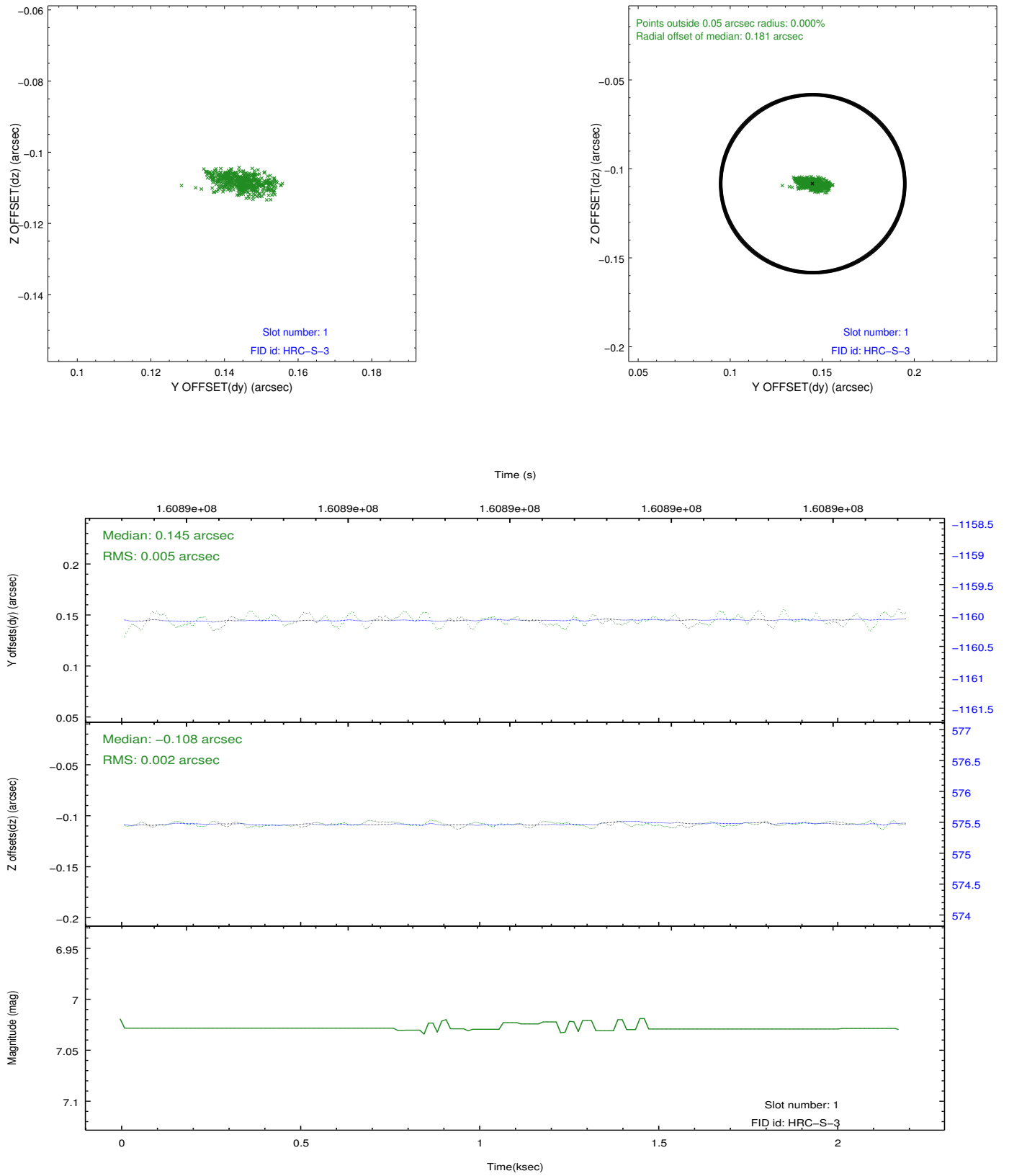


2.5 FID Slots

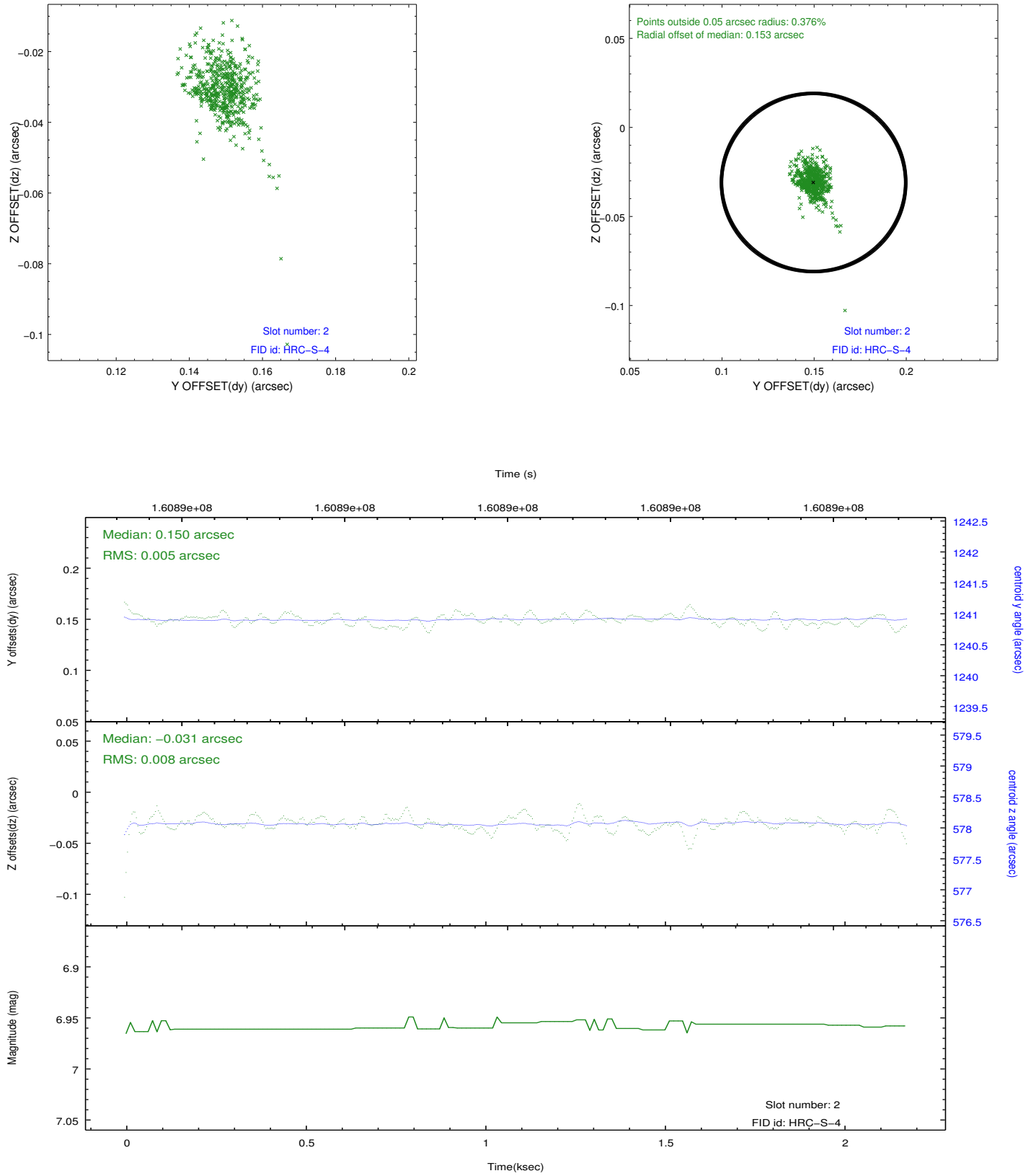
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.142

A.2 Comments

Window constraint satisfied.