

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13073 - L2 Version 4
Chandra X-Ray Center

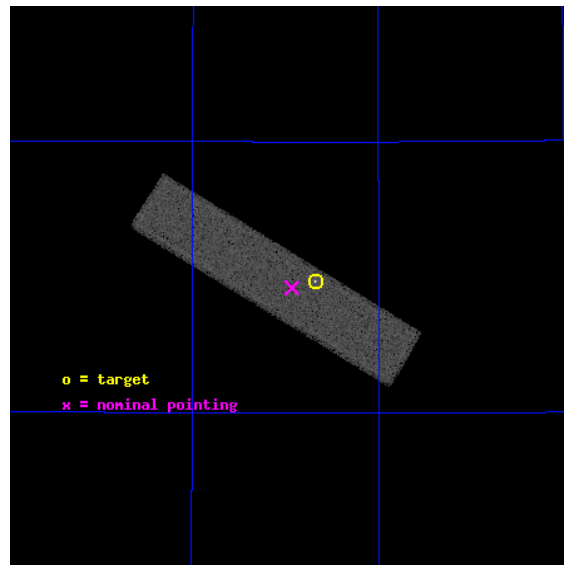
L2 Processing Date : Aug 9 2012

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1 Front

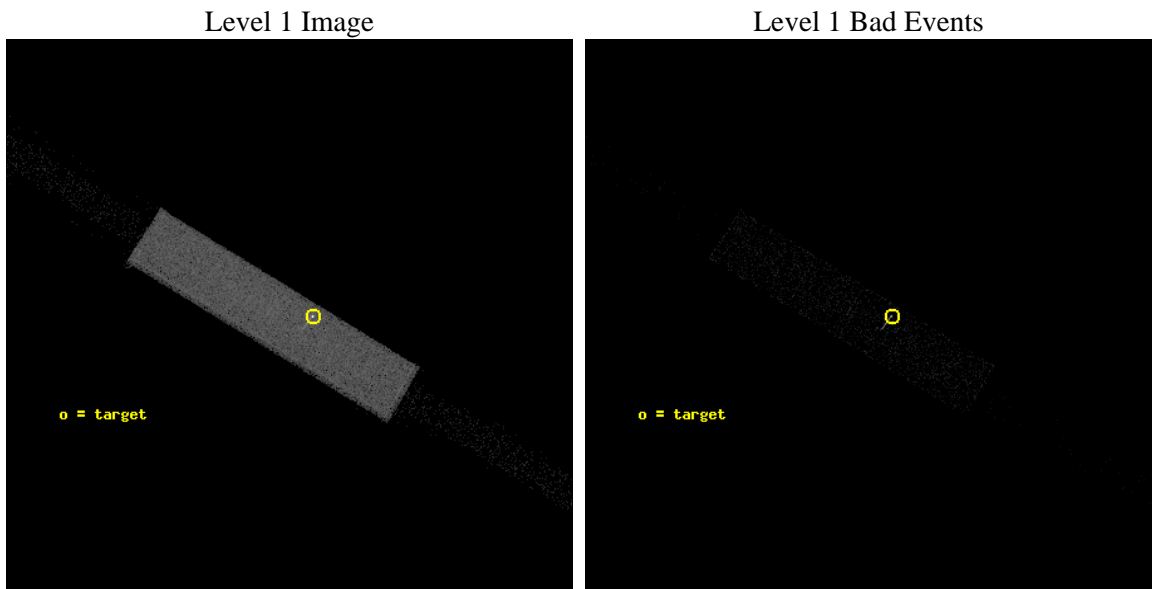
seq_num	290992	Sequence number
obs_id	13073	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23275590771	Nominal RA [deg]
dec_nom	45.730649239463	Nominal Dec [deg]
roll_nom	211.22050893463	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1153.3813104033	[s]
livetime	1145.1390500657	Ontime multiplied by DTCOR
l2events	61358	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	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1153.3813104033	[s]
caldbver	4.5.1.1	 	l1events	95109	Number of level 1 events
date	2012-08-10T01:49:37	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

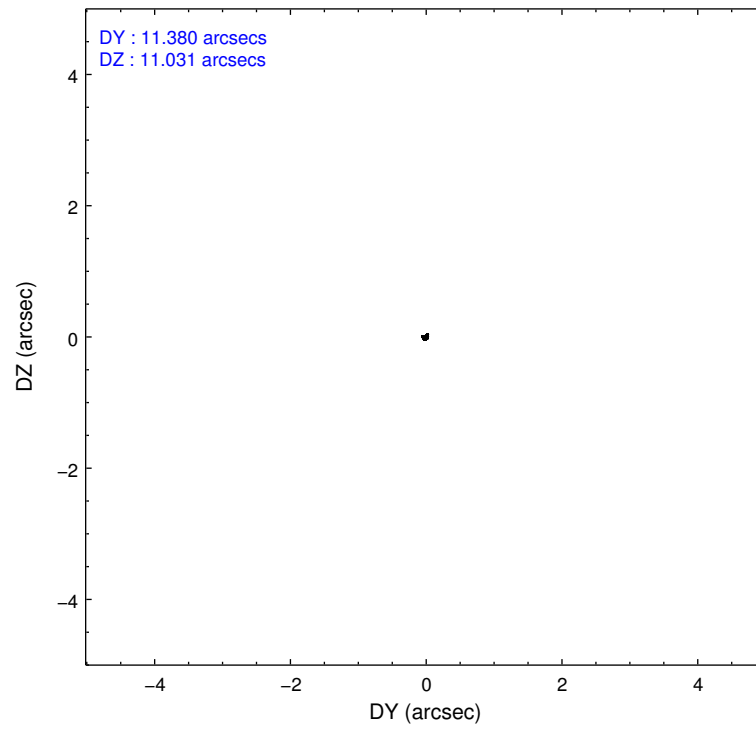
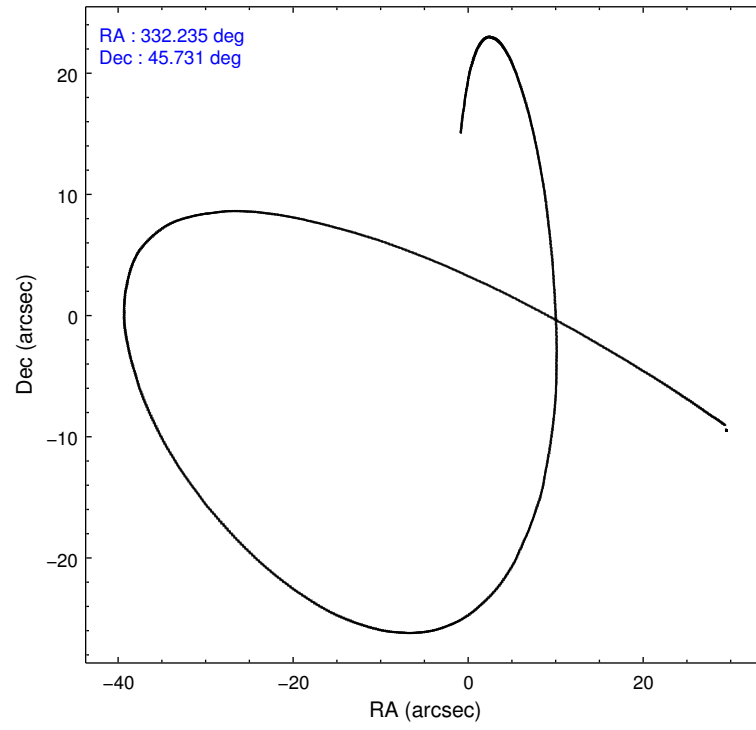
	segment 1	segment 2	segment 3
level 1 events	833	93417	859
rejected events	833	21434	859
rejected %	100%	22%	100%

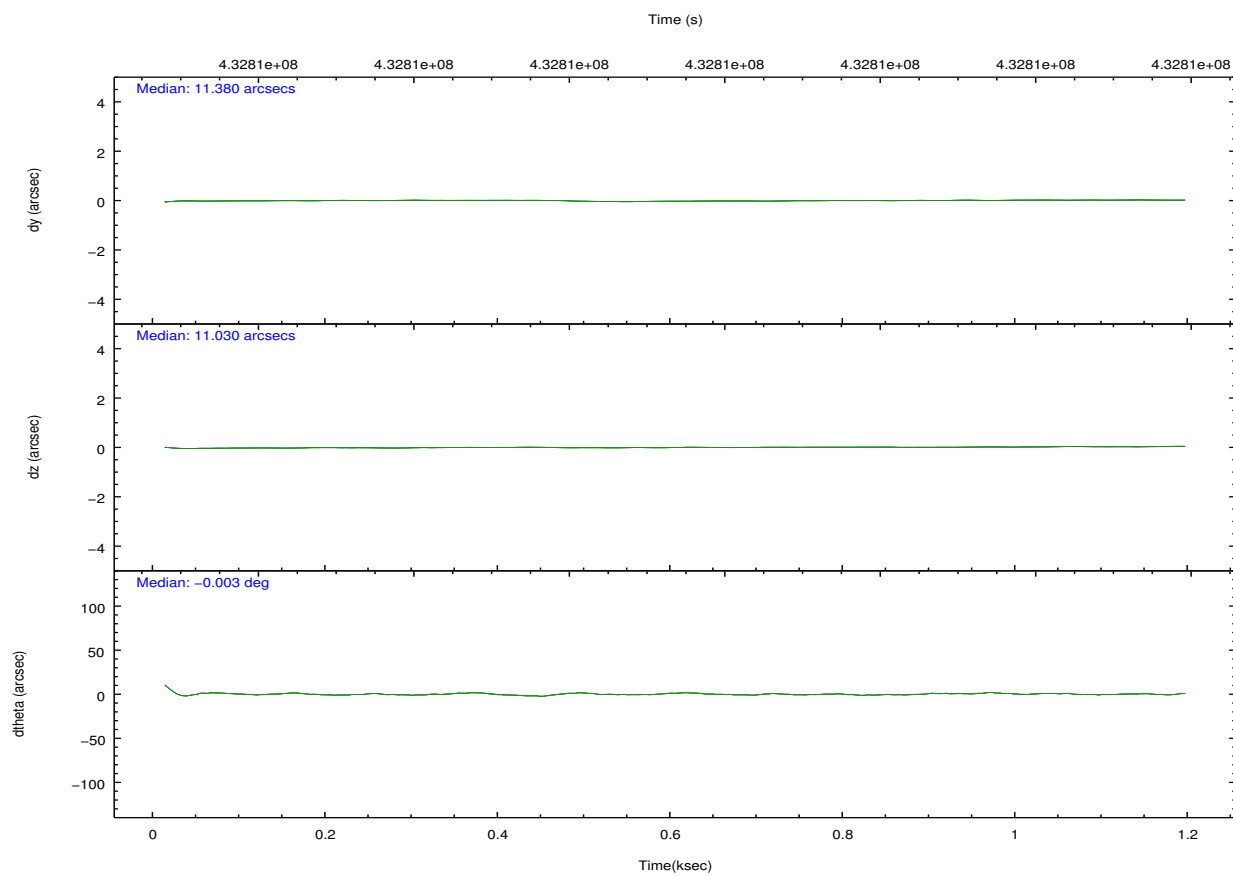
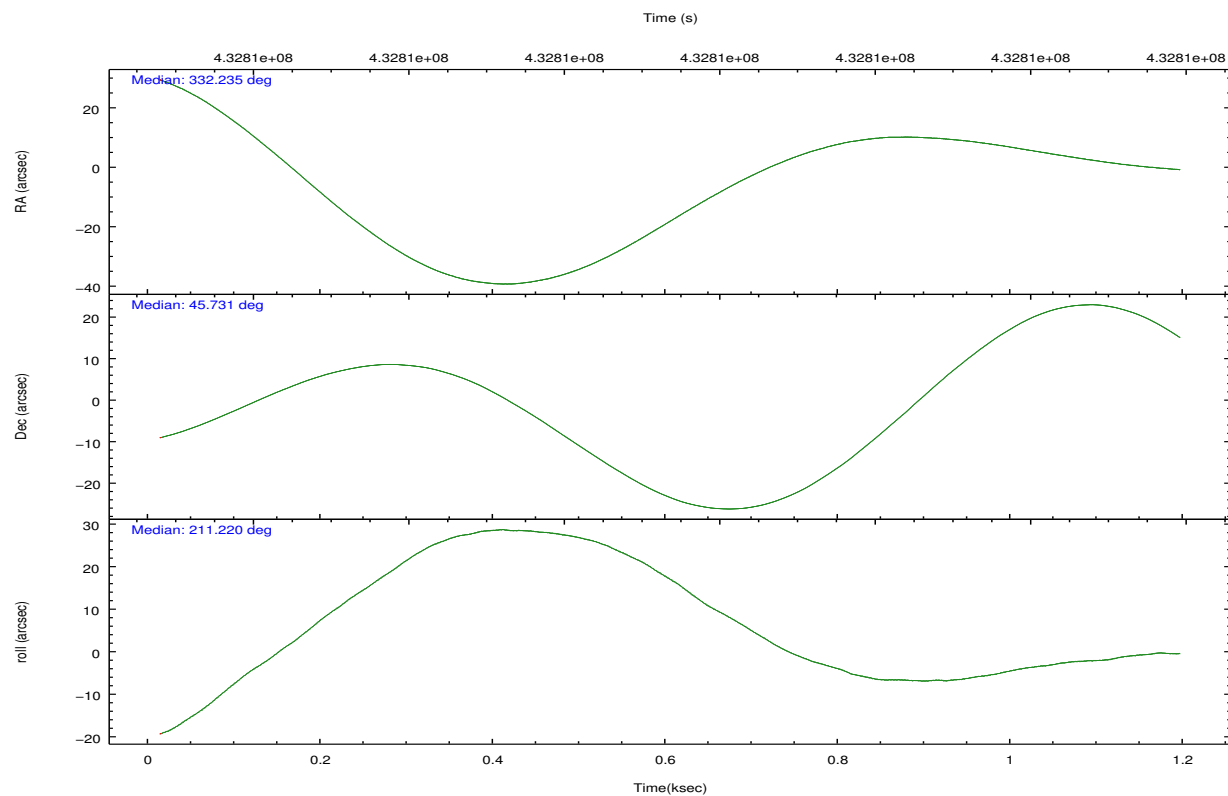
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.250743	332.2327559077116
[deg] Pointing Dec	45.755744	45.73064923946264
[deg] Pointing Roll	211.140248	211.2205089346336
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	432809542.184000	432809165.96224
Observation start date	2011-09-19T08:51:16	2011-09-19T08:46:05
[s] Observation end time (MET)	432810542.184000	432810675.78732
Observation end date	2011-09-19T09:07:56	2011-09-19T09:11:15

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



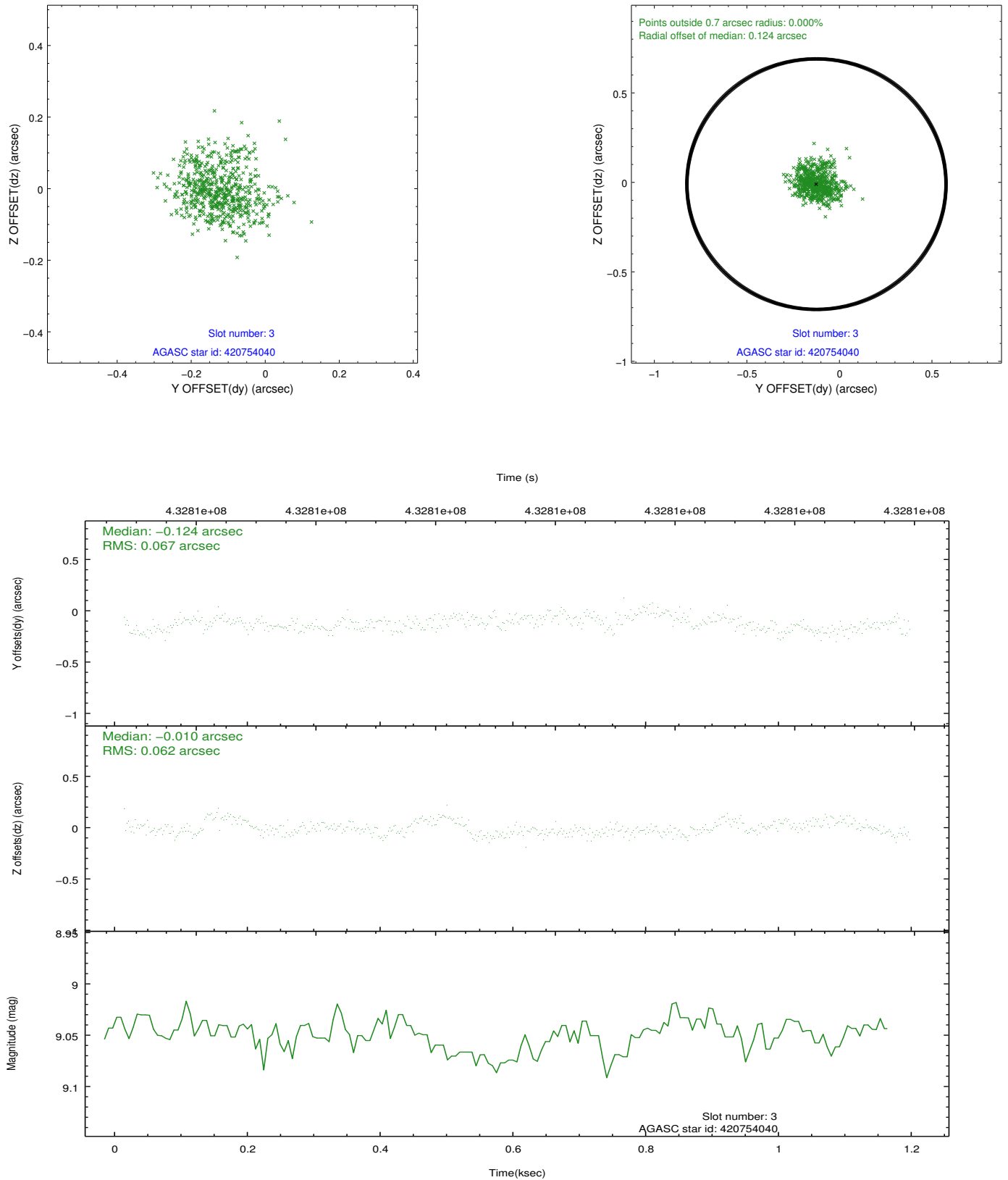


Slot Statistics

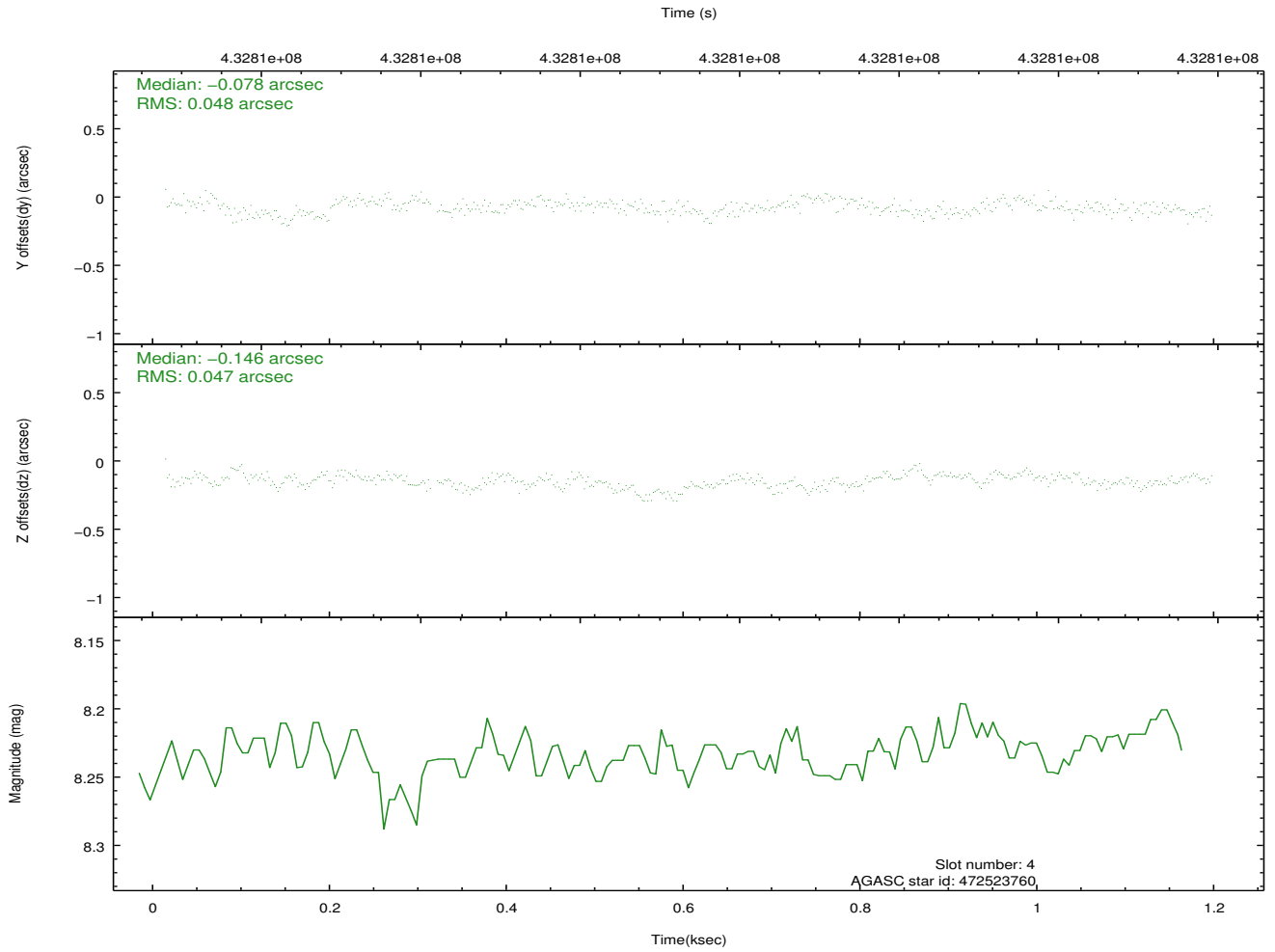
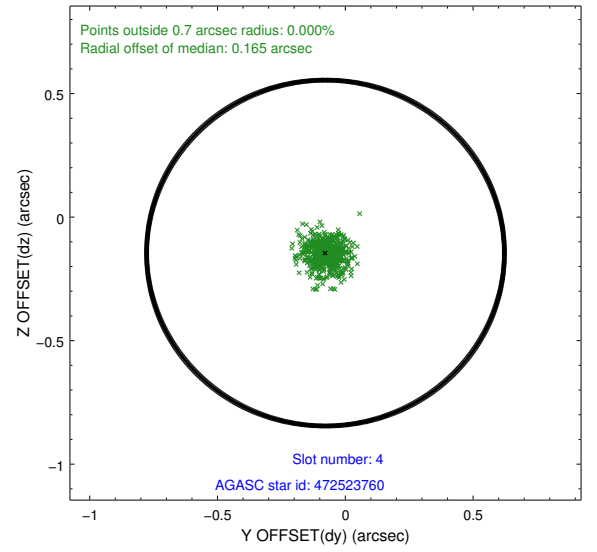
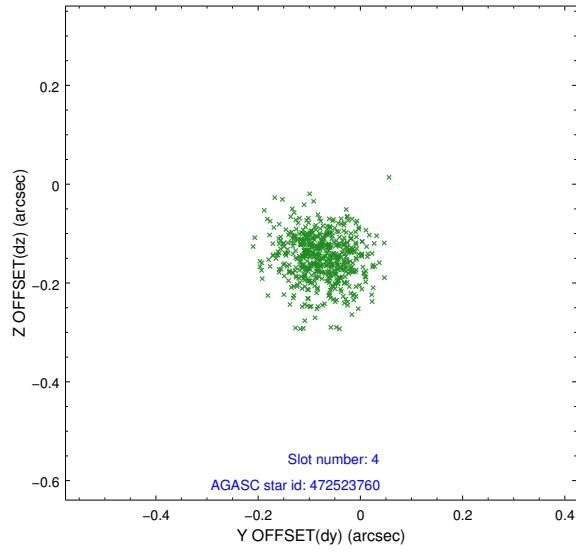
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	289	-0.042	-0.146	0.004	0.009	0.000000	0.000000	-1165.80	-459.69
1	FID	HRC-S-2	6.97	289	0.208	-0.123	0.009	0.015	0.000000	0.000000	1230.07	-453.89
2	FID	HRC-S-4	6.93	289	0.237	-0.034	0.007	0.013	0.000000	0.000000	1236.97	570.93
3	GUIDE	420754040	9.05	578	-0.124	-0.010	0.098	0.151	331.917939	44.882543	2351.63	2252.85
4	GUIDE	472523760	8.23	575	-0.078	-0.146	0.070	0.119	331.645363	45.403260	1968.76	295.95
5	GUIDE	472663080	9.40	578	0.150	0.032	0.122	0.198	332.652741	46.473840	-2186.10	-1696.39
6	GUIDE	472665256	9.01	578	0.135	0.012	0.099	0.157	332.808125	46.195041	-2011.17	-639.91
7	GUIDE	472659832	9.44	577	-0.082	0.130	0.138	0.270	332.780399	46.098139	-1773.32	-373.53

2.4 Star Slots

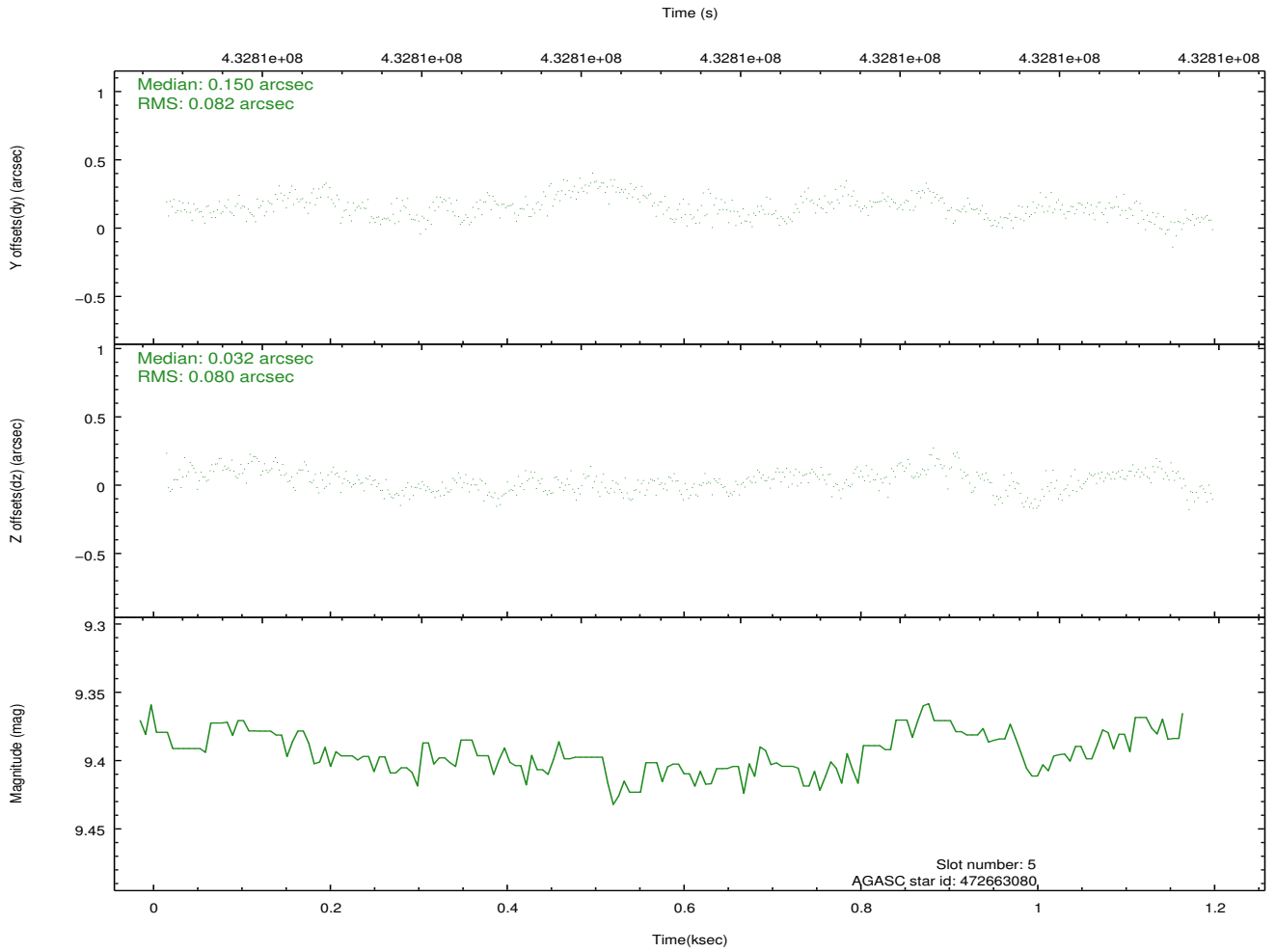
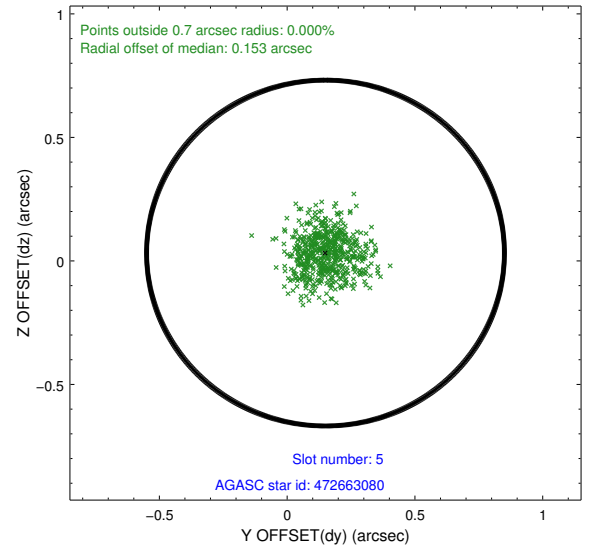
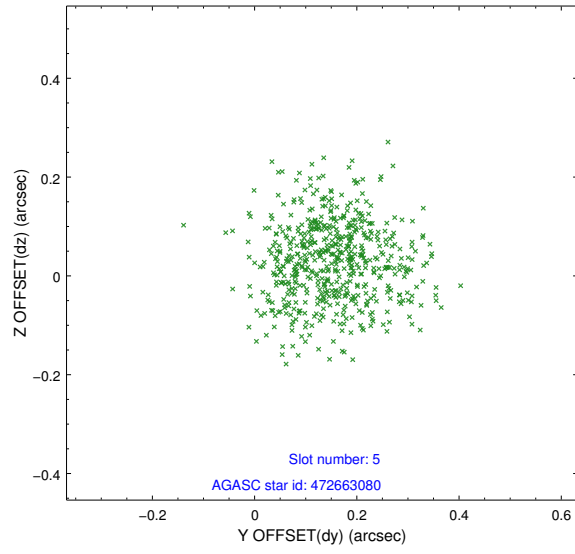
2.4.1 Slot 3



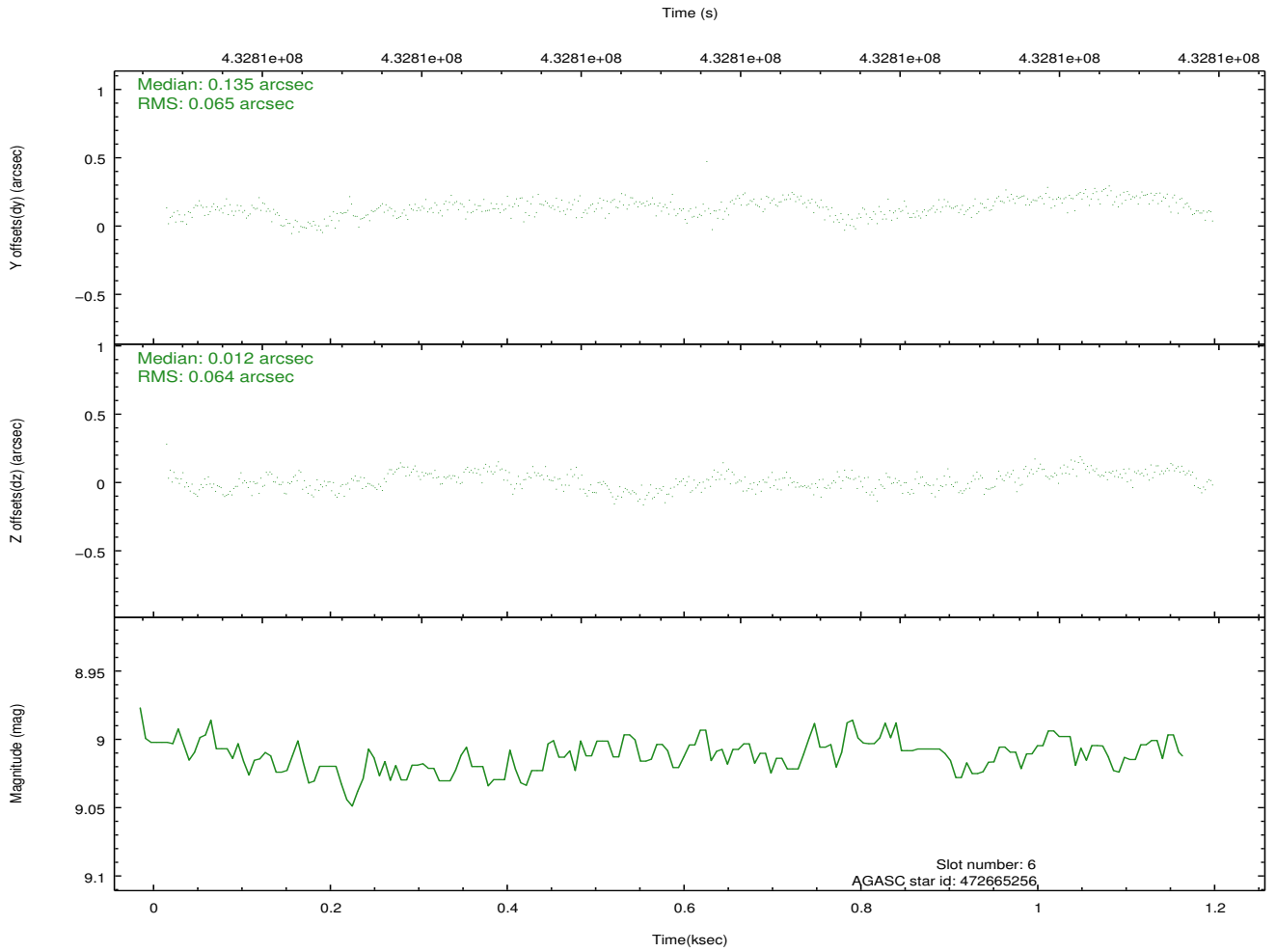
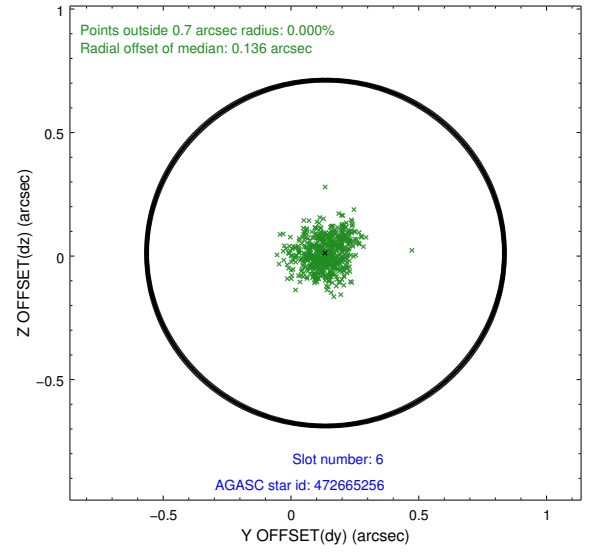
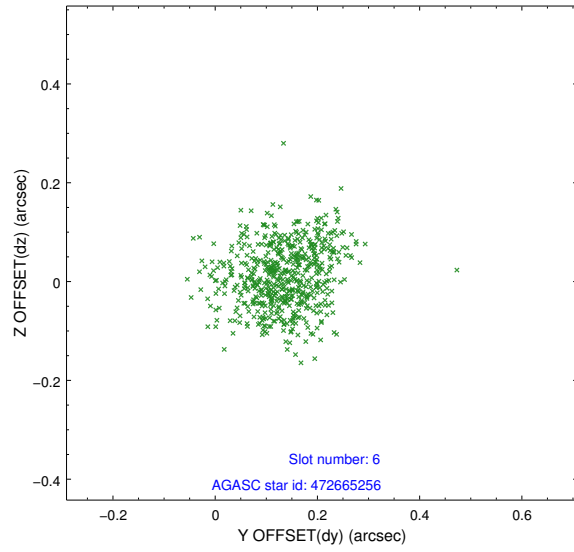
2.4.2 Slot 4



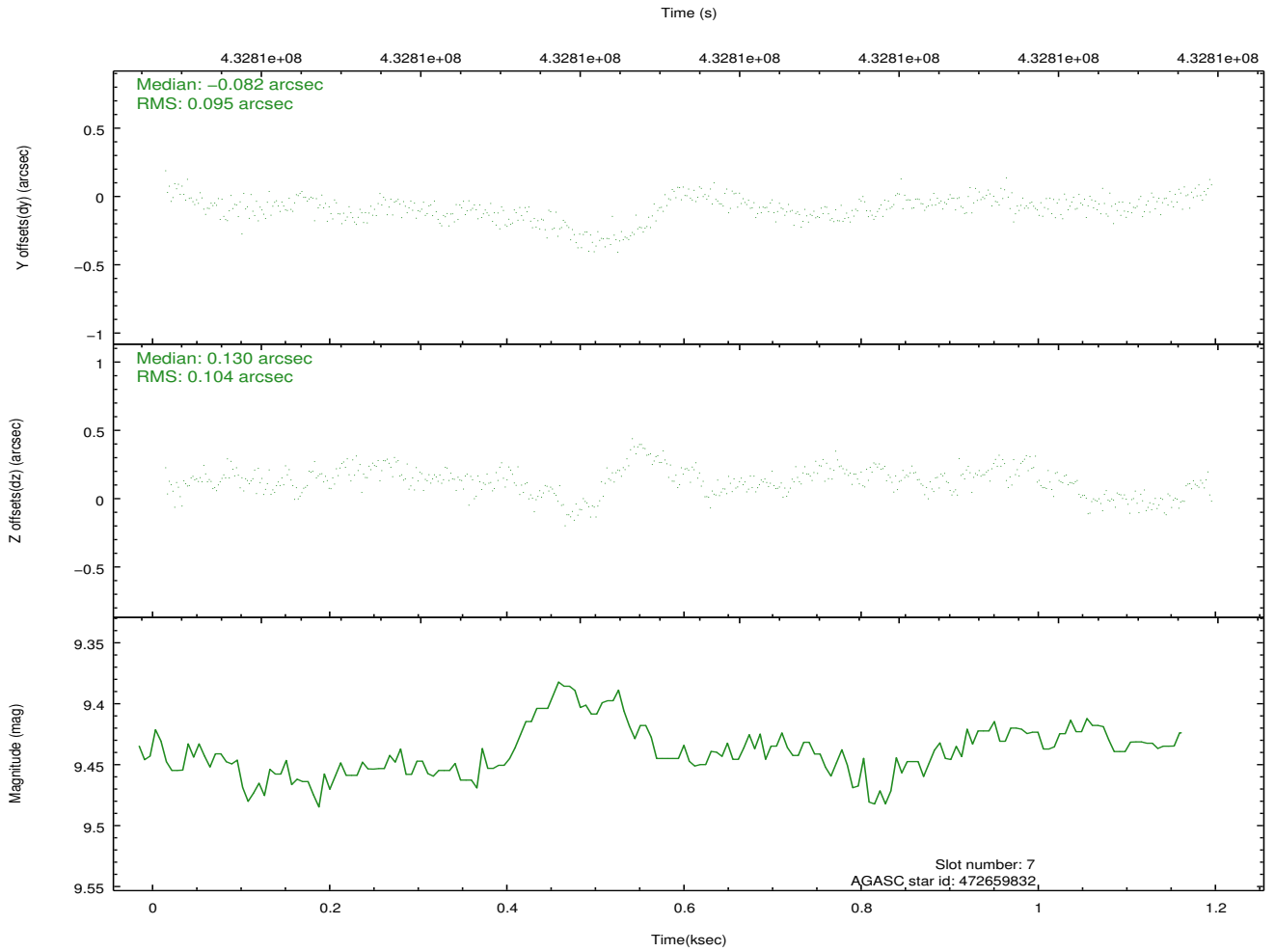
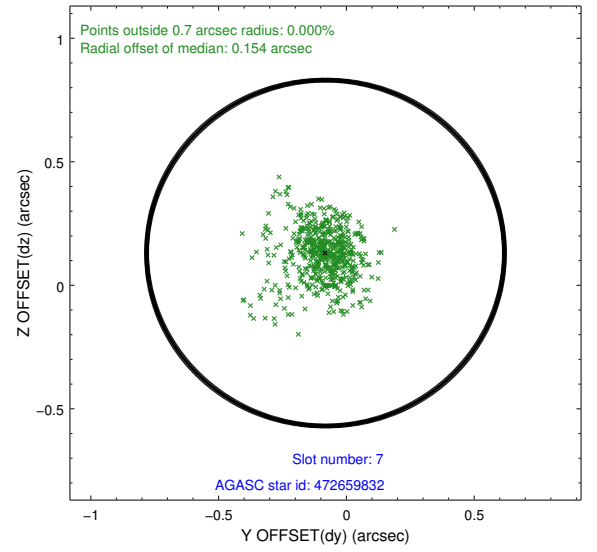
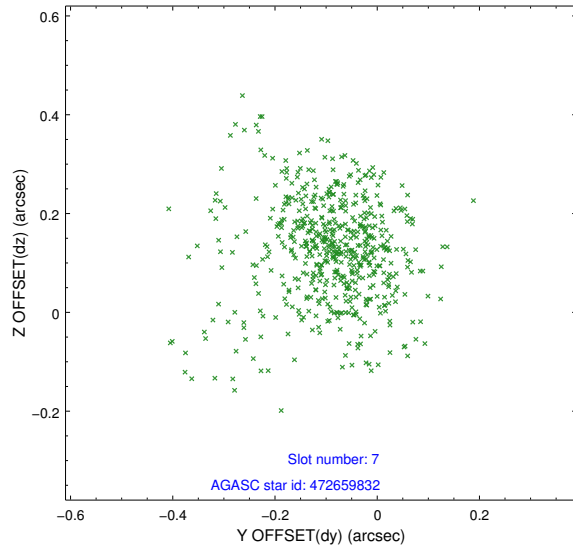
2.4.3 Slot 5



2.4.4 Slot 6

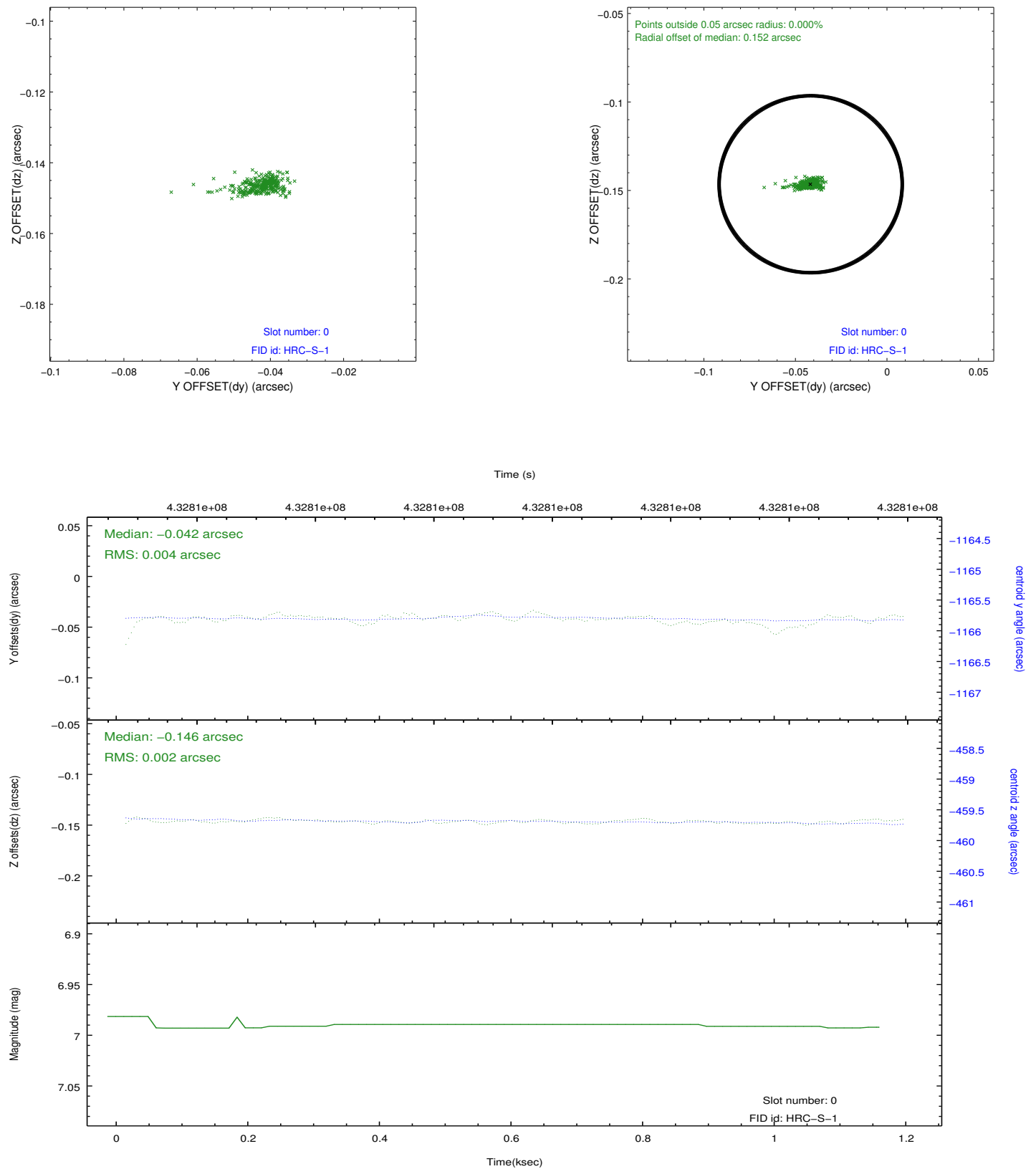


2.4.5 Slot 7

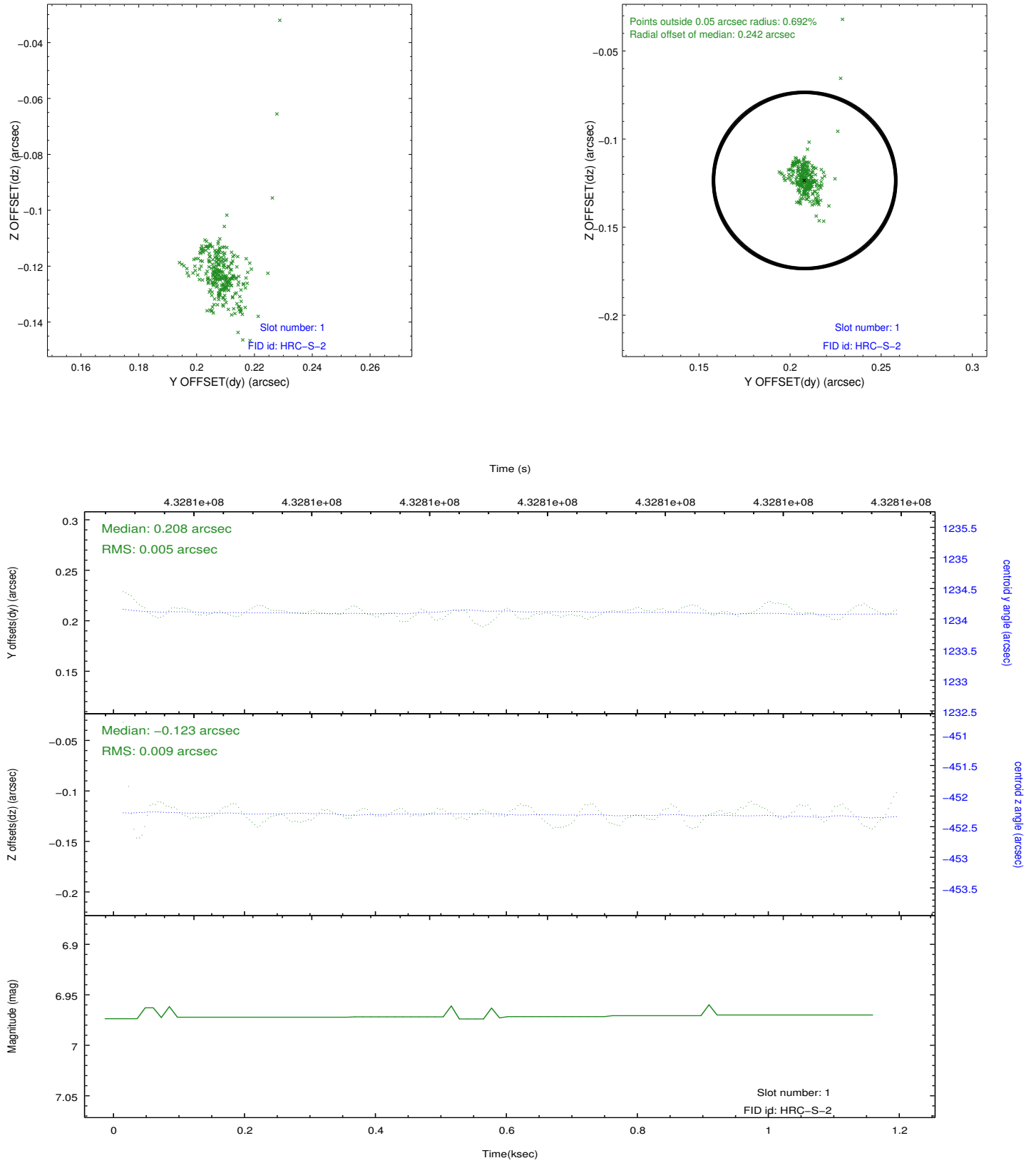


2.5 FID Slots

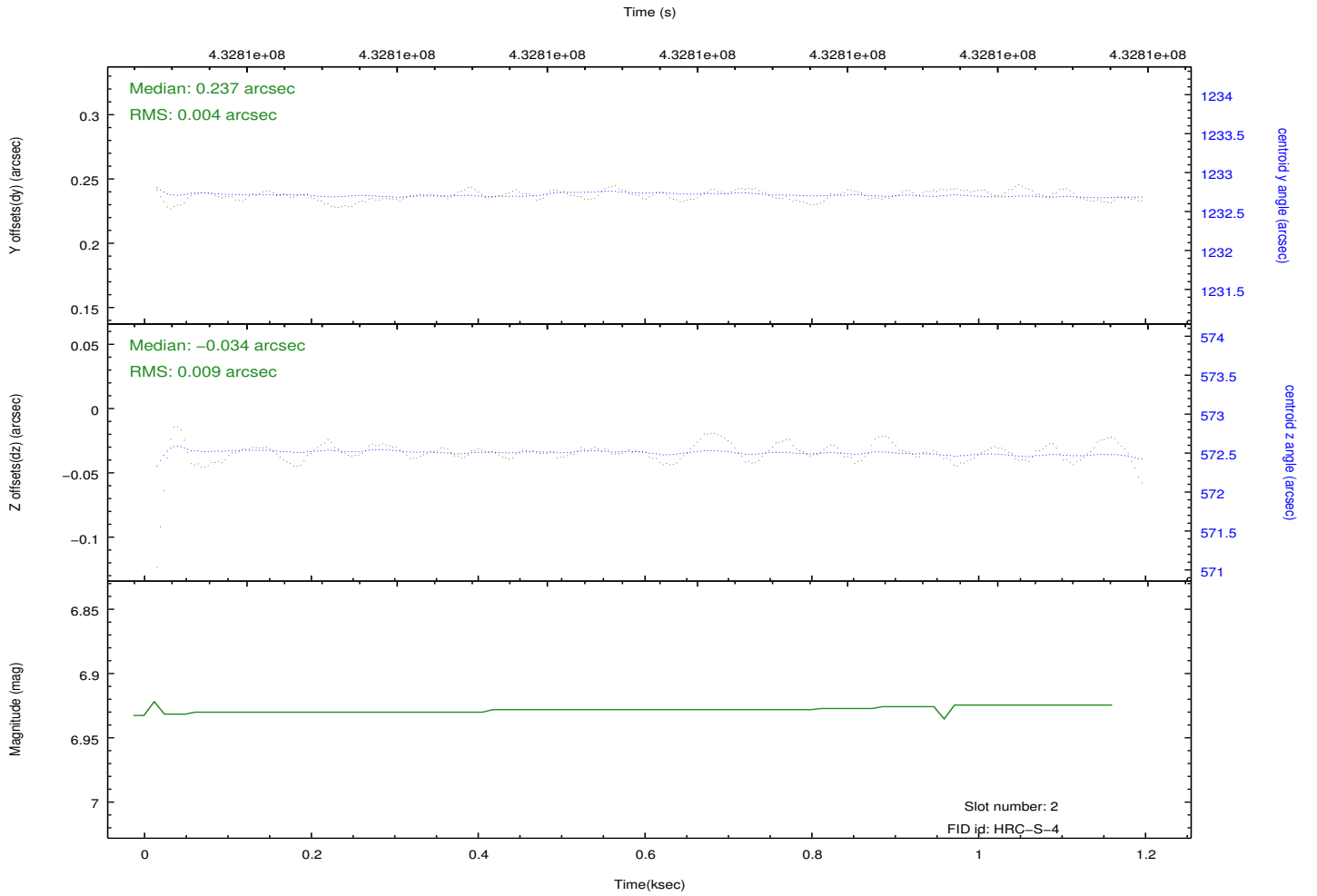
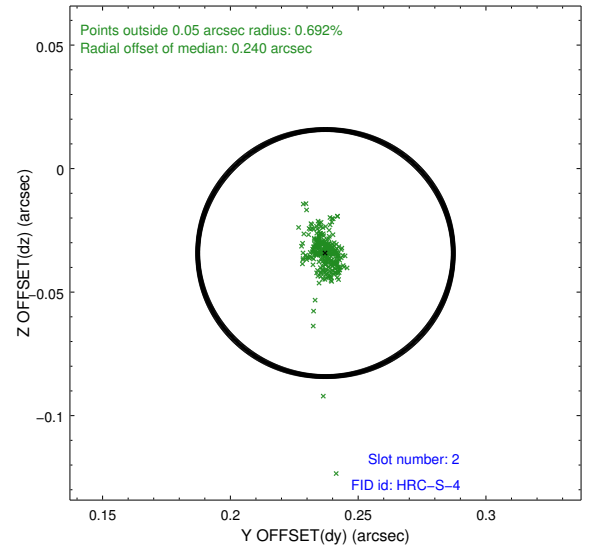
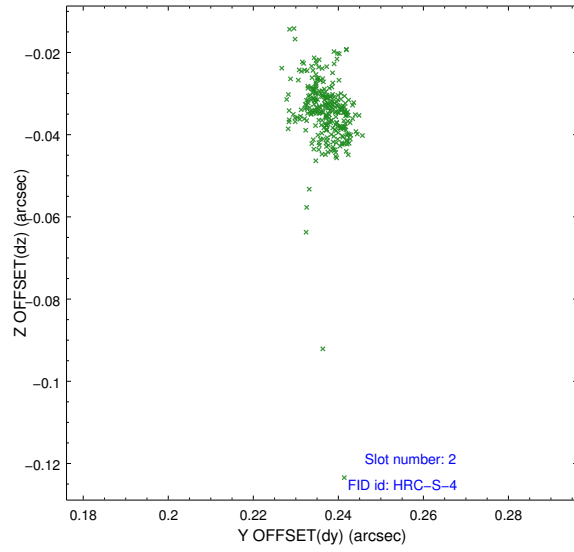
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.153381310463

A.2 Comments