

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6462 - L2 Version 3
Chandra X-Ray Center

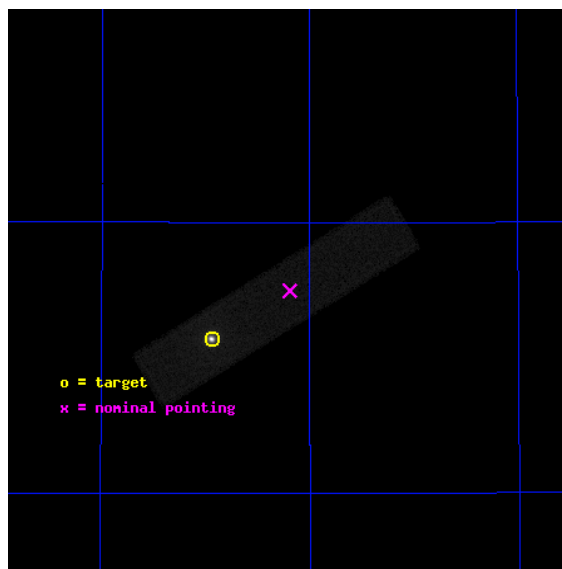
L2 Processing Date : Aug 11 2012

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1 Front

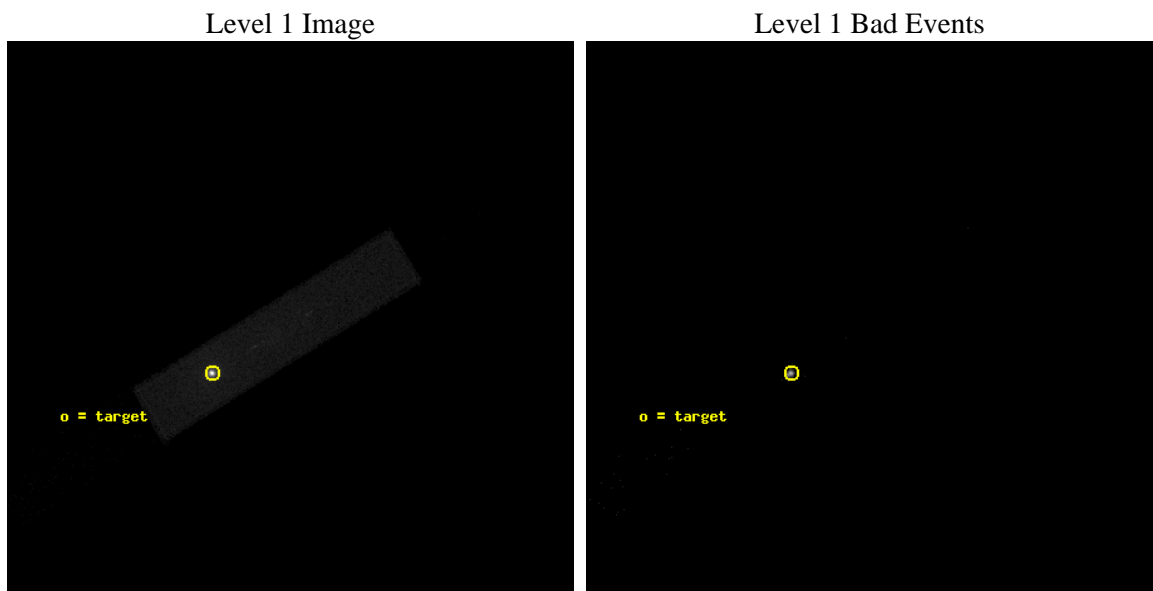
seq_num	290555	Sequence number
obs_id	6462	Observation id
title	AO7 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.04788868776	Nominal RA [deg]
dec_nom	38.873918640474	Nominal Dec [deg]
roll_nom	148.32610660523	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2157.6251007617	[s]
livetime	1722.2286693246	Ontime multiplied by DTCOR
l2events	376584	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	2157.6251007617	[s]
caldsver	4.5.1.1	 	l1events	453413	Number of level 1 events
date	2012-08-11T07:17:50	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

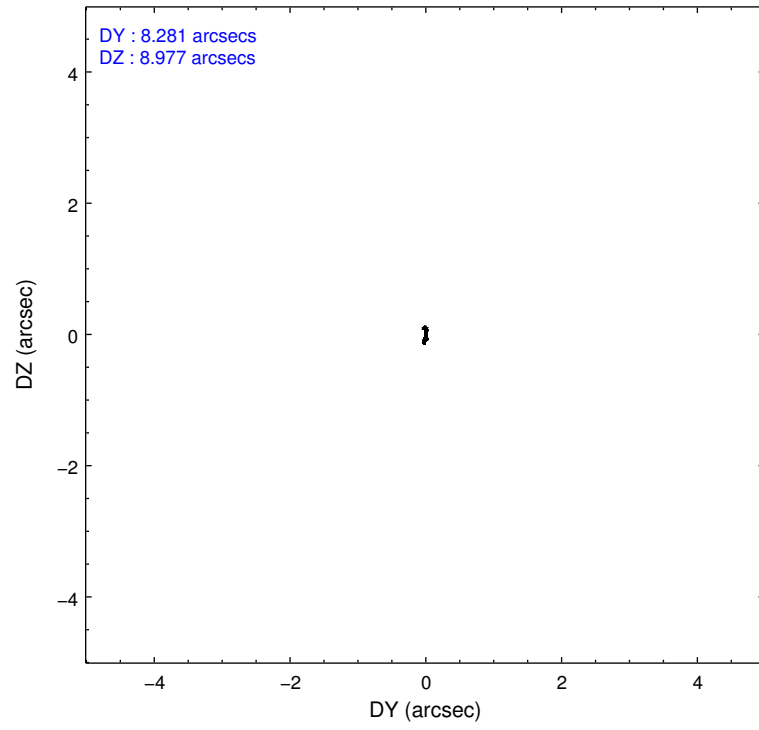
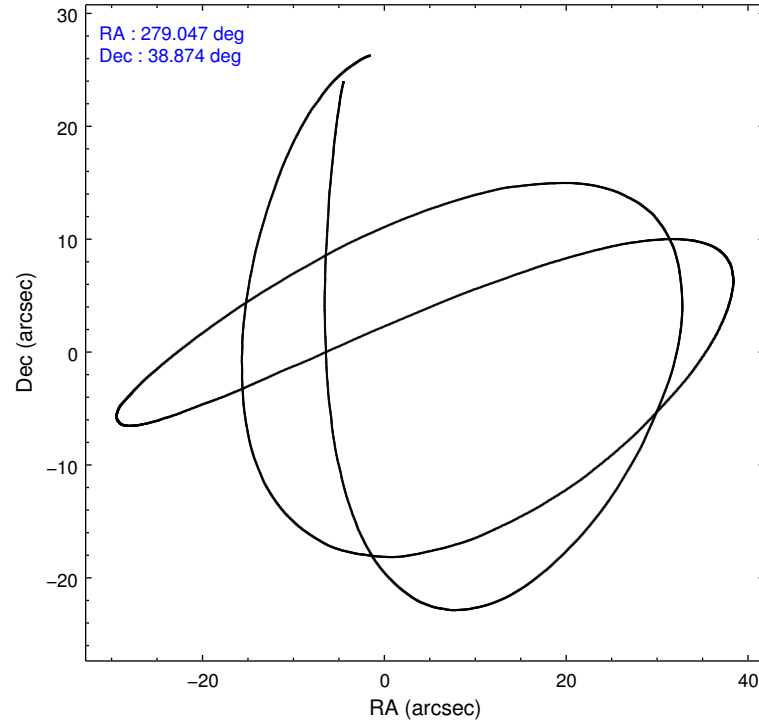
Level 1 Events

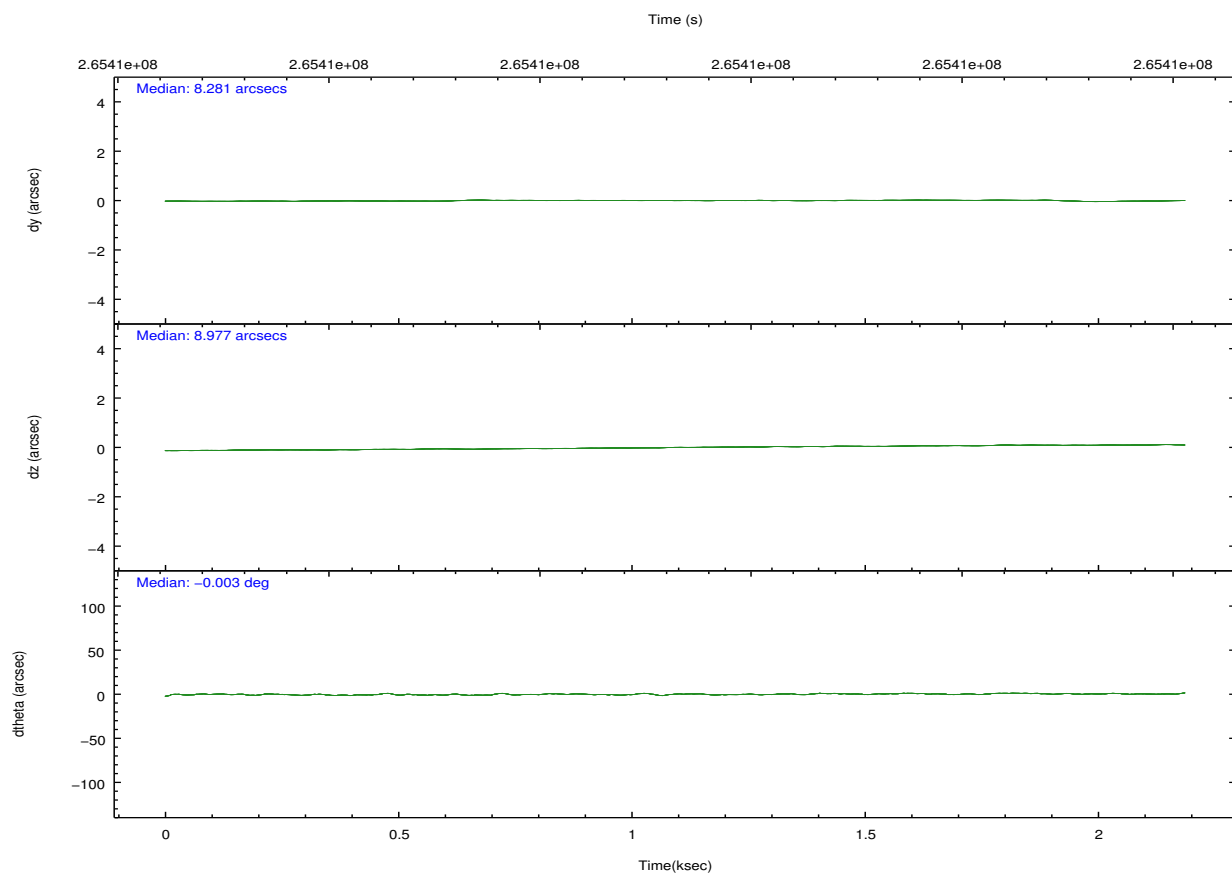
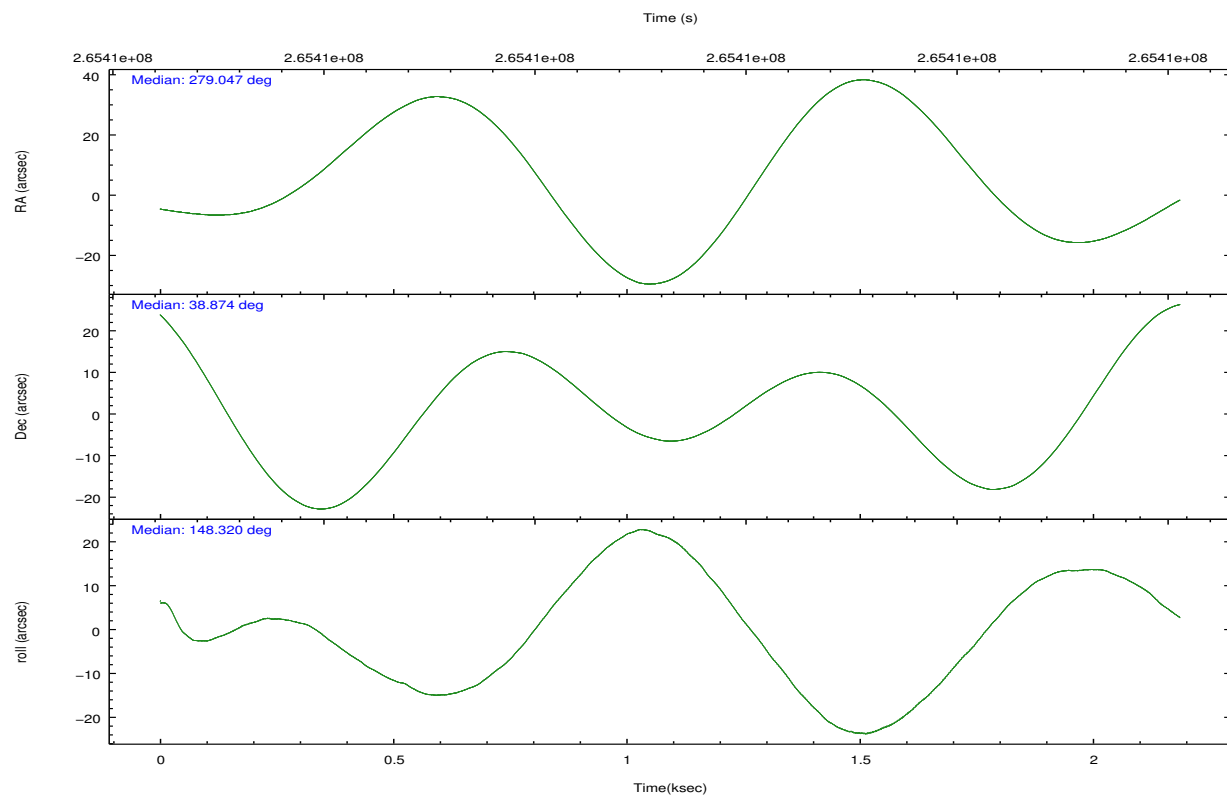
	segment 1	segment 2	segment 3
level 1 events	5857	446320	1236
rejected events	5823	48491	1226
rejected %	99%	10%	99%

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	279.084881	279.0478886877593			
[deg] Pointing Dec	38.874749	38.87391864047441			
[deg] Pointing Roll	148.235526	148.3261066052297			
[s] Window start time (MET)	262828865.184000	262828865.184000			
[s] Window stop time (MET)	268012865.184000	268012865.184000			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	265408410.184000	265408034.0182			
Observation start date	2006-05-30T20:32:25	2006-05-30T20:27:14			
[s] Observation end time (MET)	265410410.184000	265410544.24331			
Observation end date	2006-05-30T21:05:45	2006-05-30T21:09:04			

2.3 Aspect



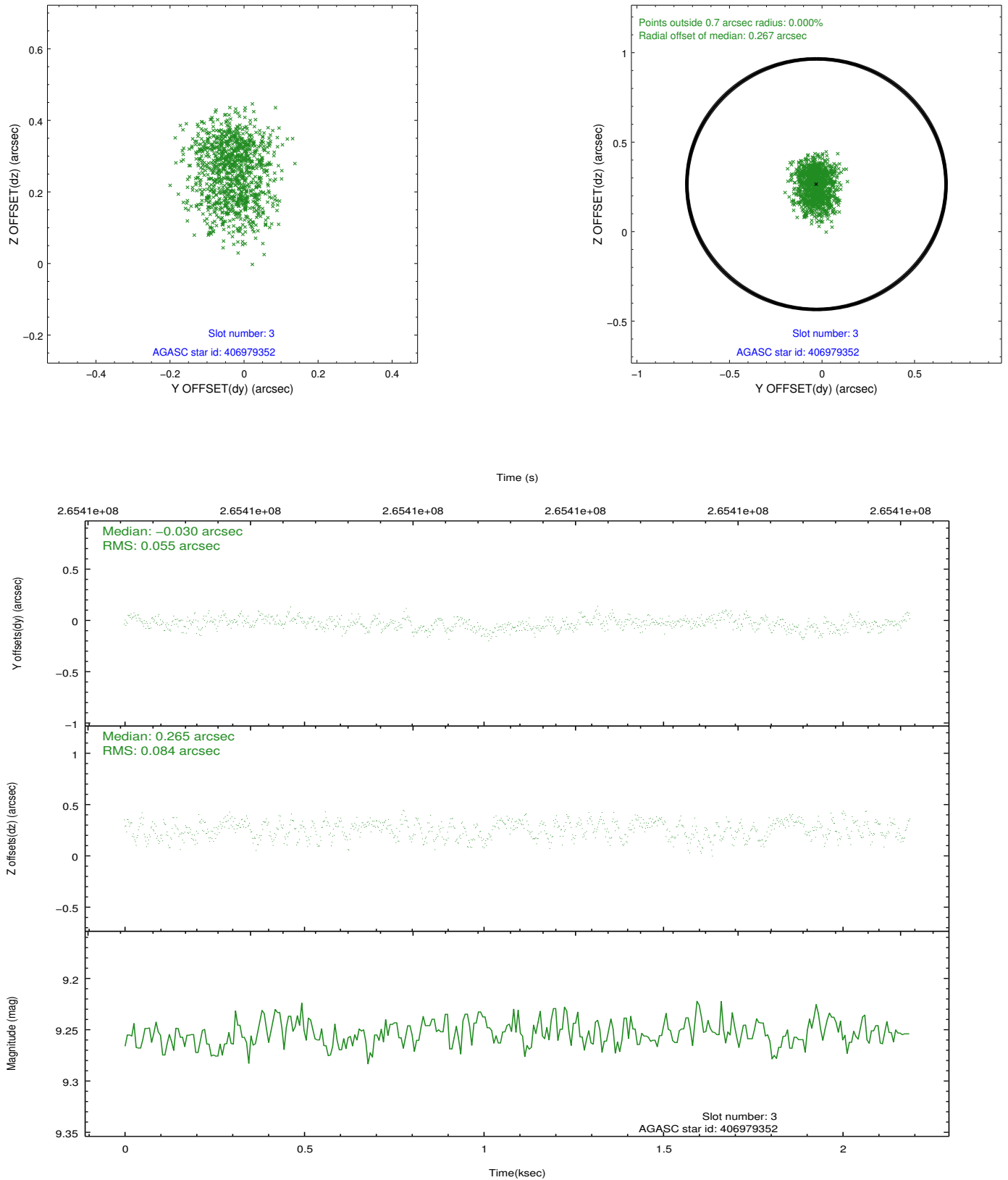


Slot Statistics

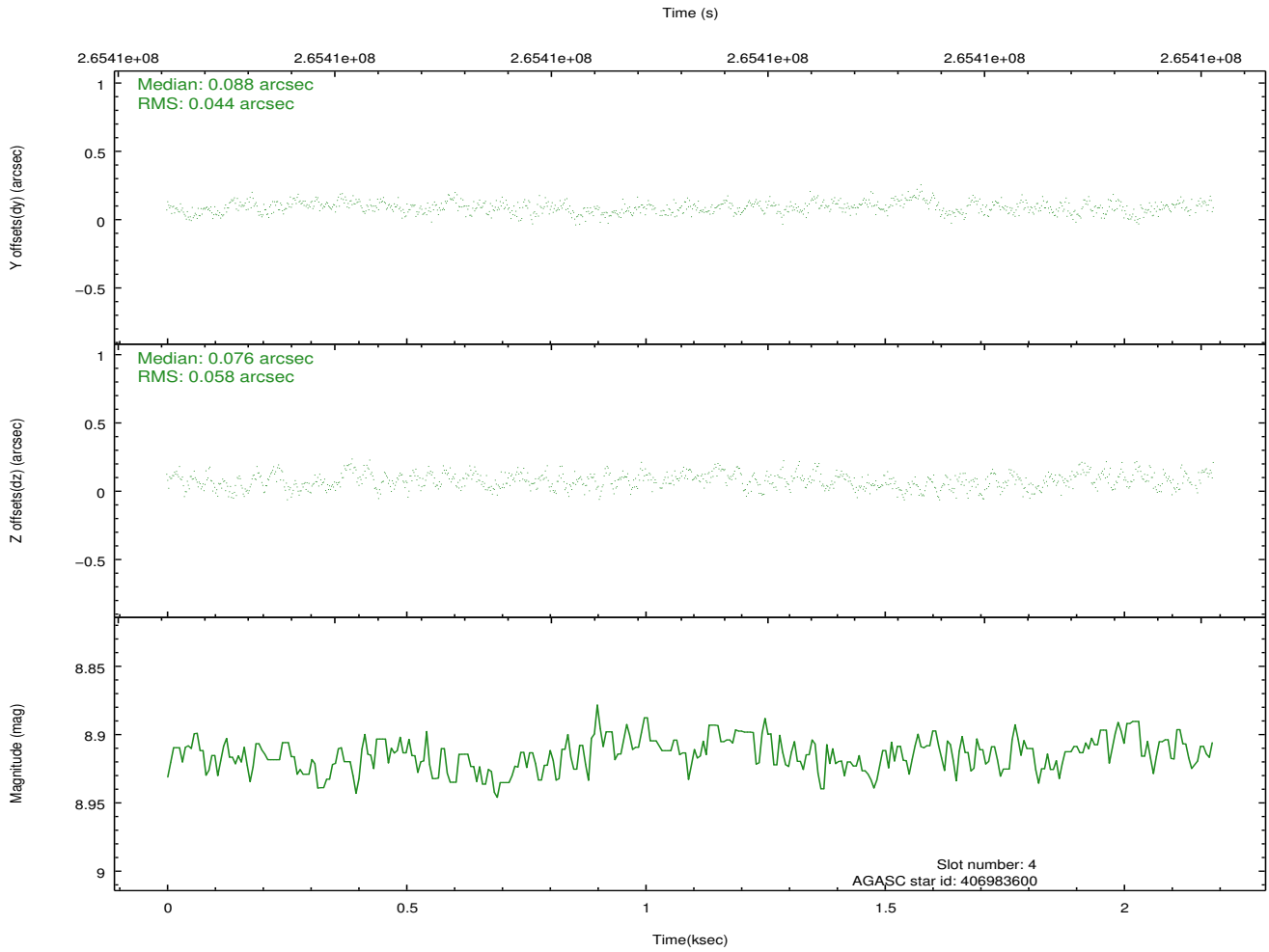
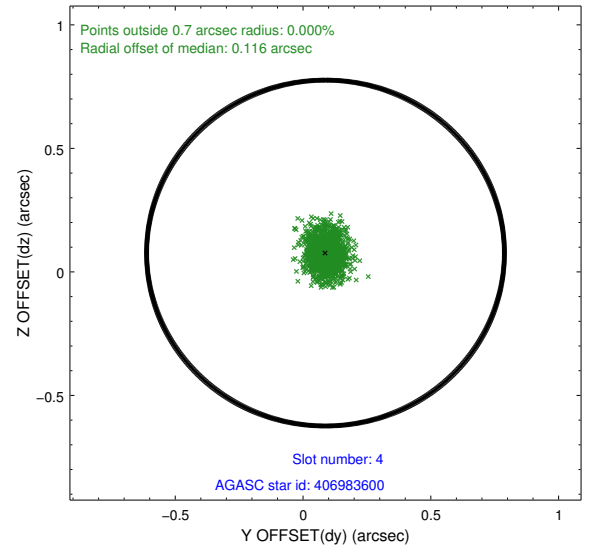
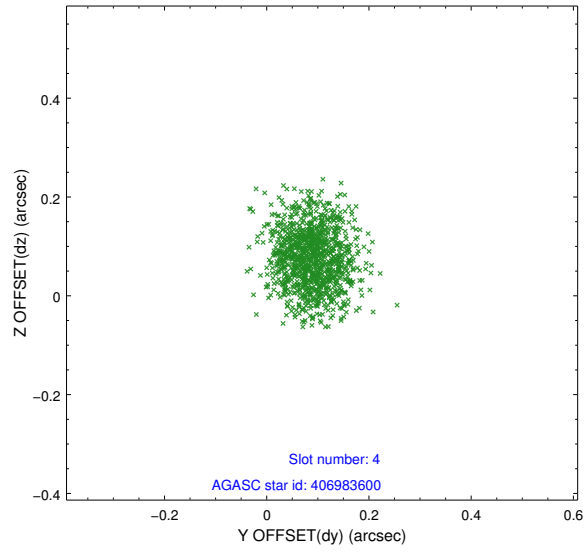
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	534	0.142	-0.165	0.007	0.013	0.000000	0.000000	-1162.44	-457.63
1	FID	HRC-S-2	6.99	534	0.157	-0.117	0.005	0.008	0.000000	0.000000	1235.06	-451.08
2	FID	HRC-S-3	7.01	534	0.091	-0.020	0.007	0.013	0.000000	0.000000	-1162.90	571.19
3	GUIDE	406979352	9.25	1068	-0.030	0.265	0.106	0.170	279.968297	39.230258	-1414.80	-2395.22
4	GUIDE	406983600	8.91	1062	0.088	0.076	0.077	0.123	279.940957	39.020708	-1754.79	-1719.91
5	GUIDE	406985120	7.42	1068	0.083	-0.146	0.068	0.114	278.839732	38.894839	621.11	296.74
6	GUIDE	407510432	8.16	1067	0.032	0.130	0.089	0.139	278.762778	39.530640	2005.22	-1538.34
7	GUIDE	406987272	6.94	1067	-0.174	-0.318	0.061	0.101	278.536588	38.437504	490.29	2145.50

2.4 Star Slots

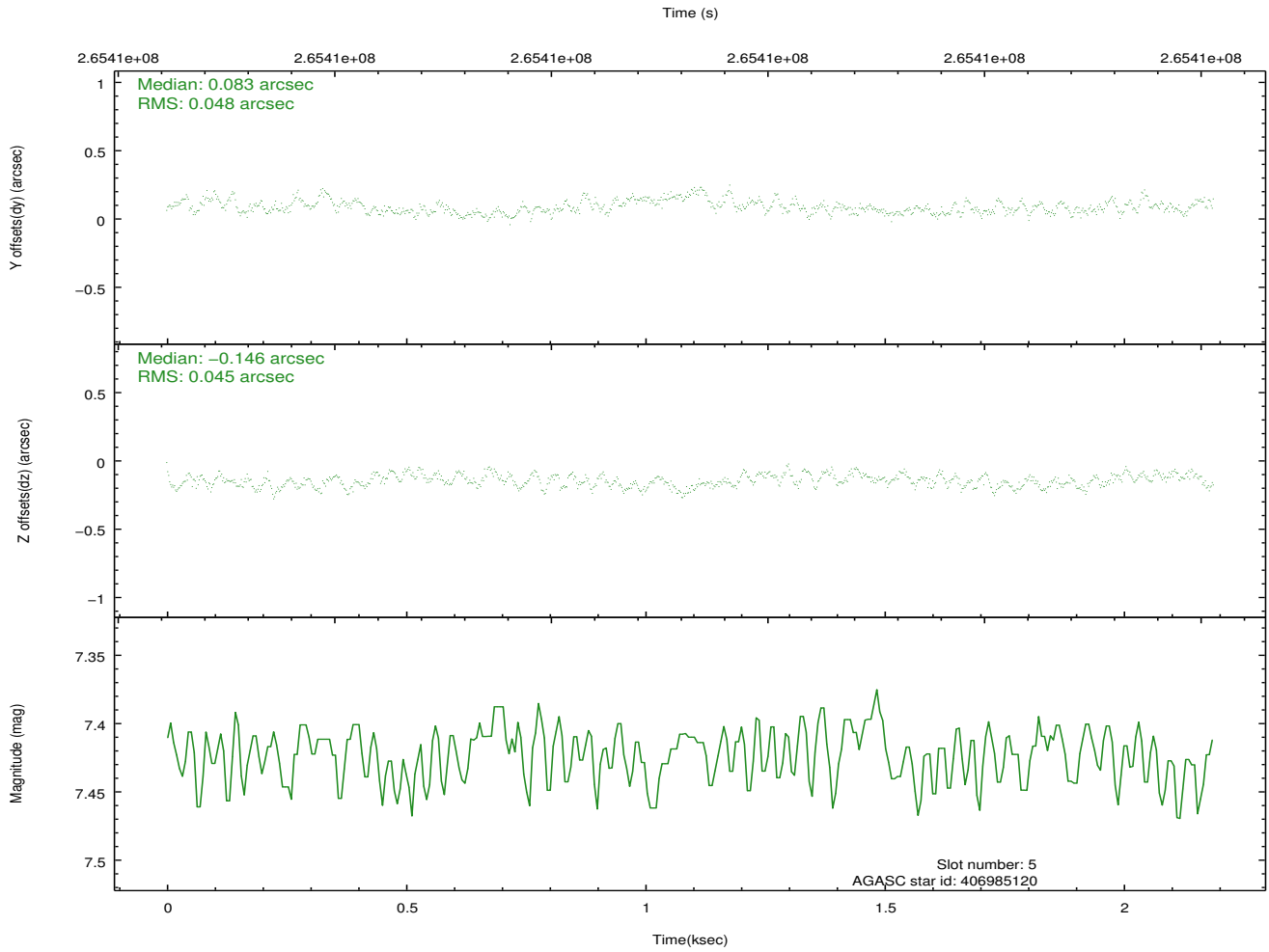
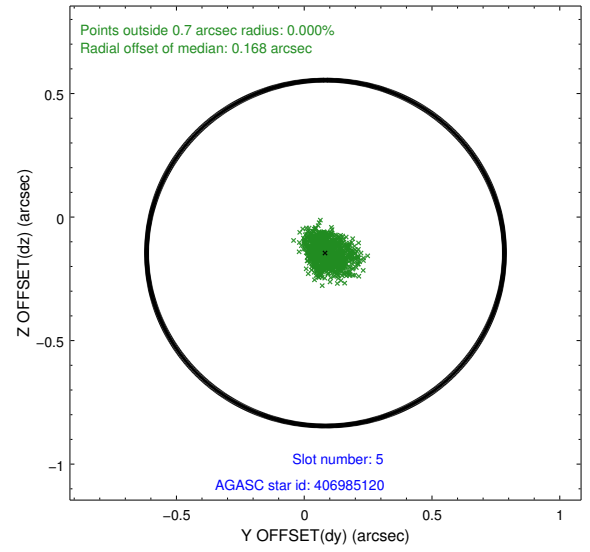
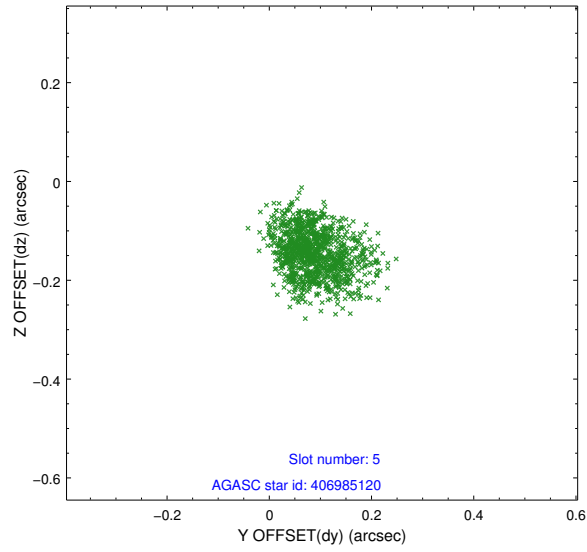
2.4.1 Slot 3



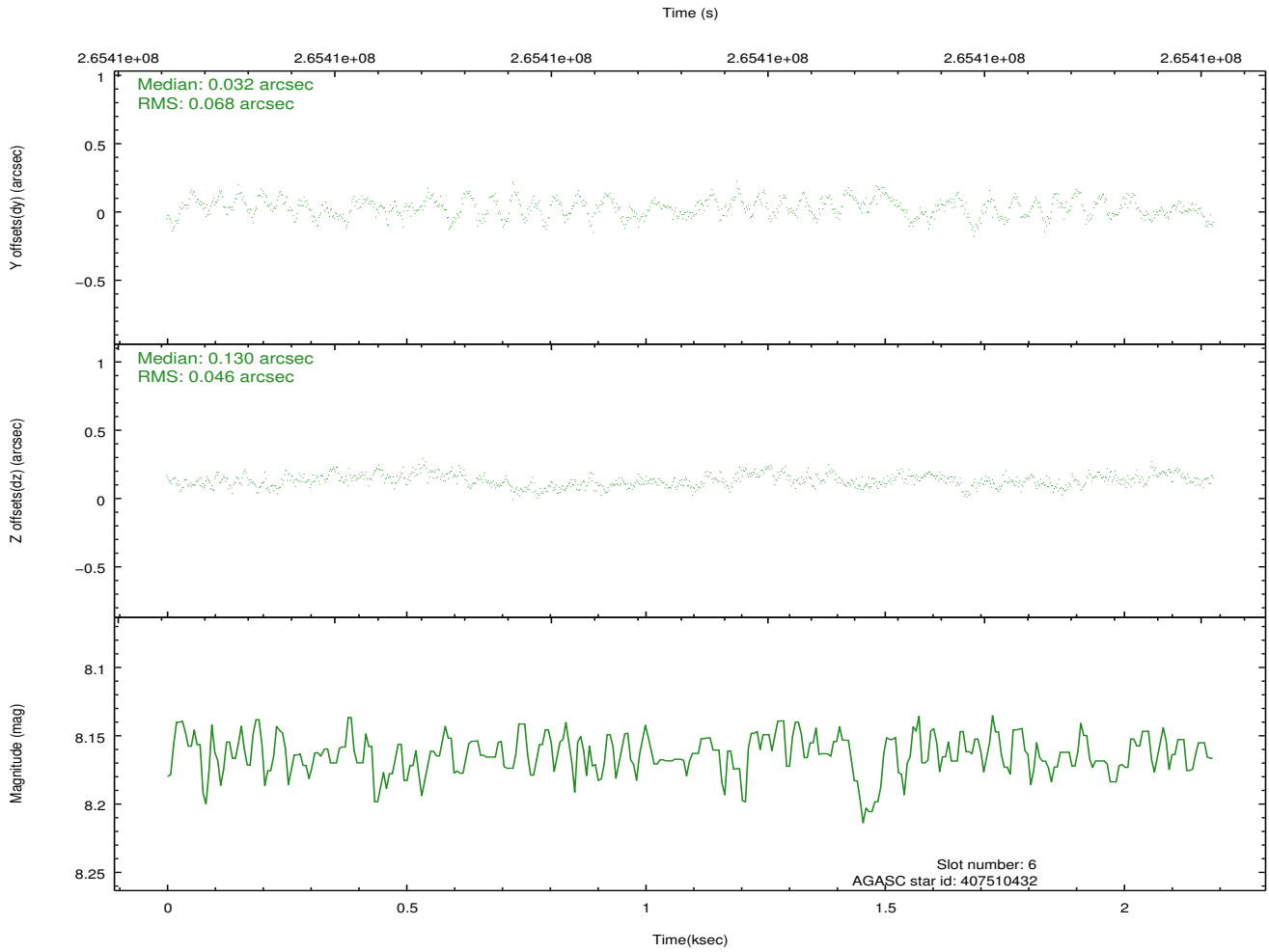
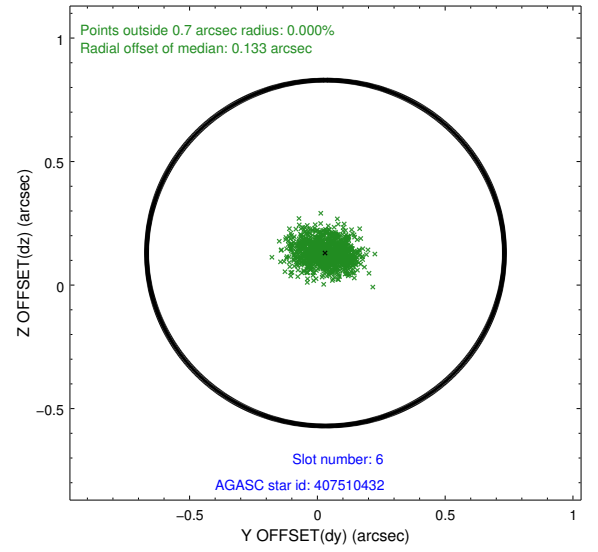
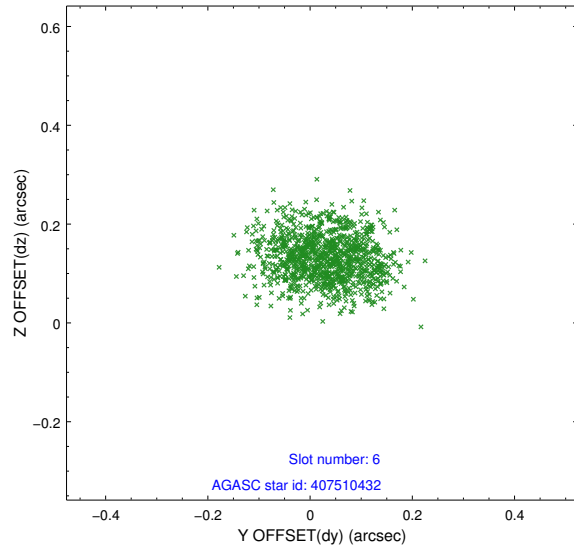
2.4.2 Slot 4



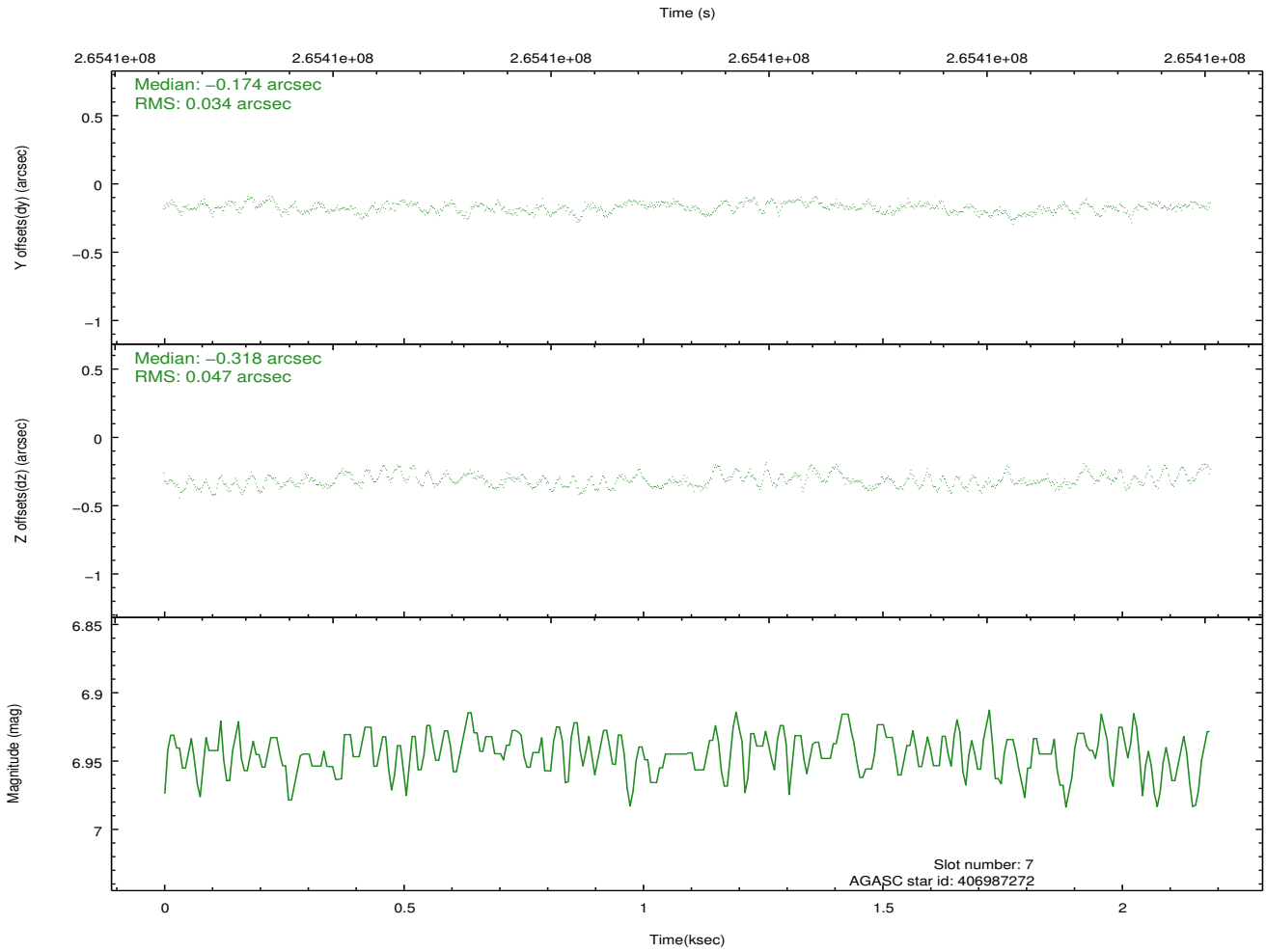
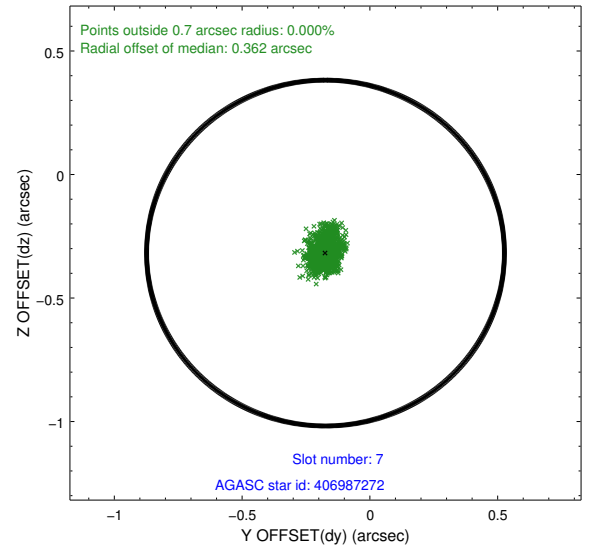
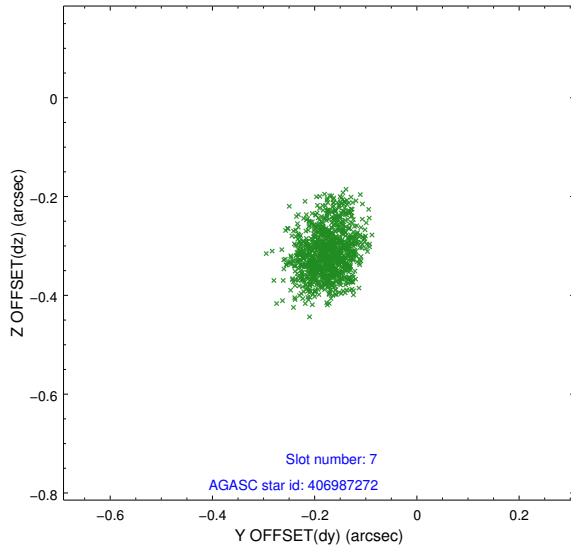
2.4.3 Slot 5



2.4.4 Slot 6

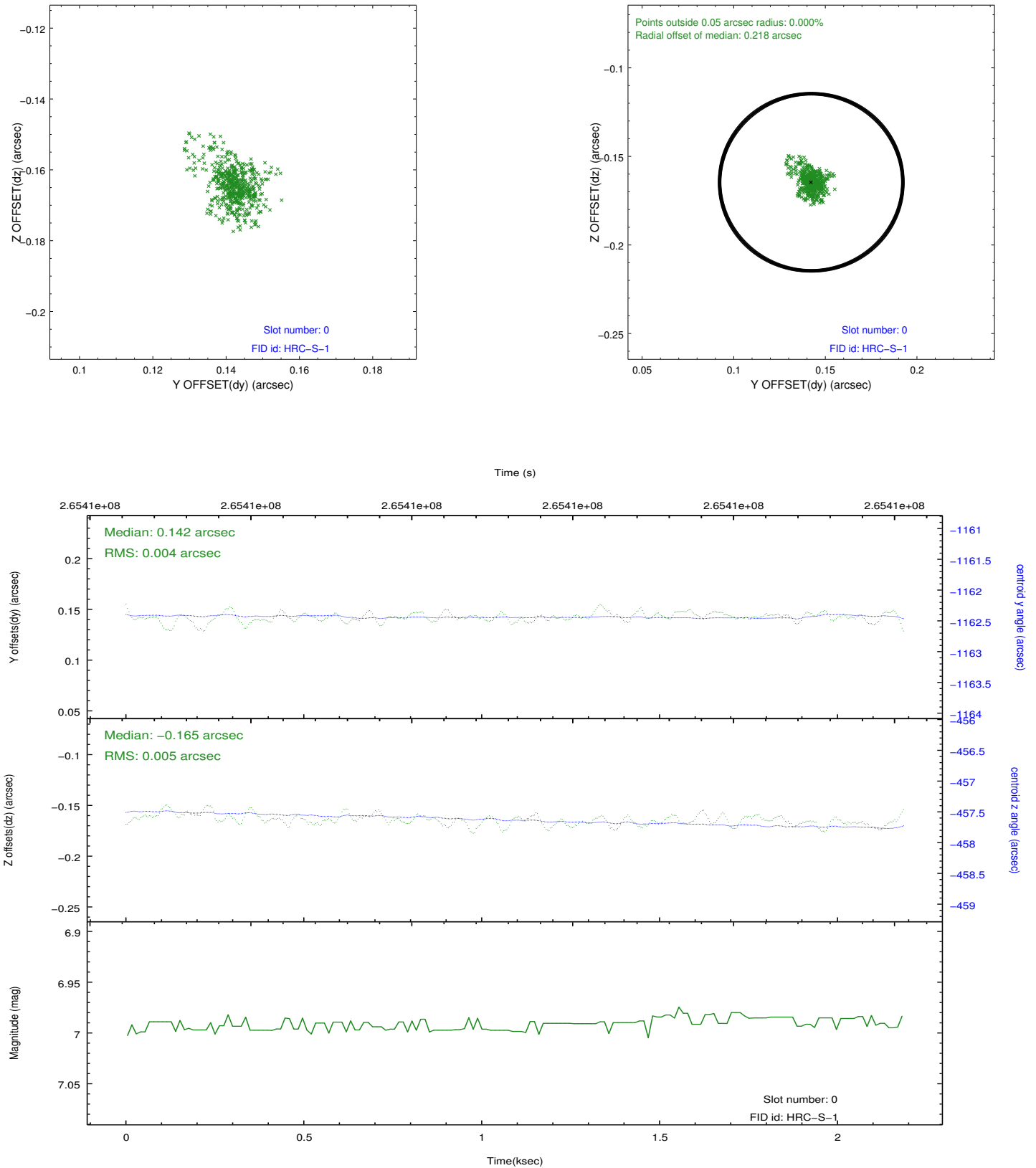


2.4.5 Slot 7

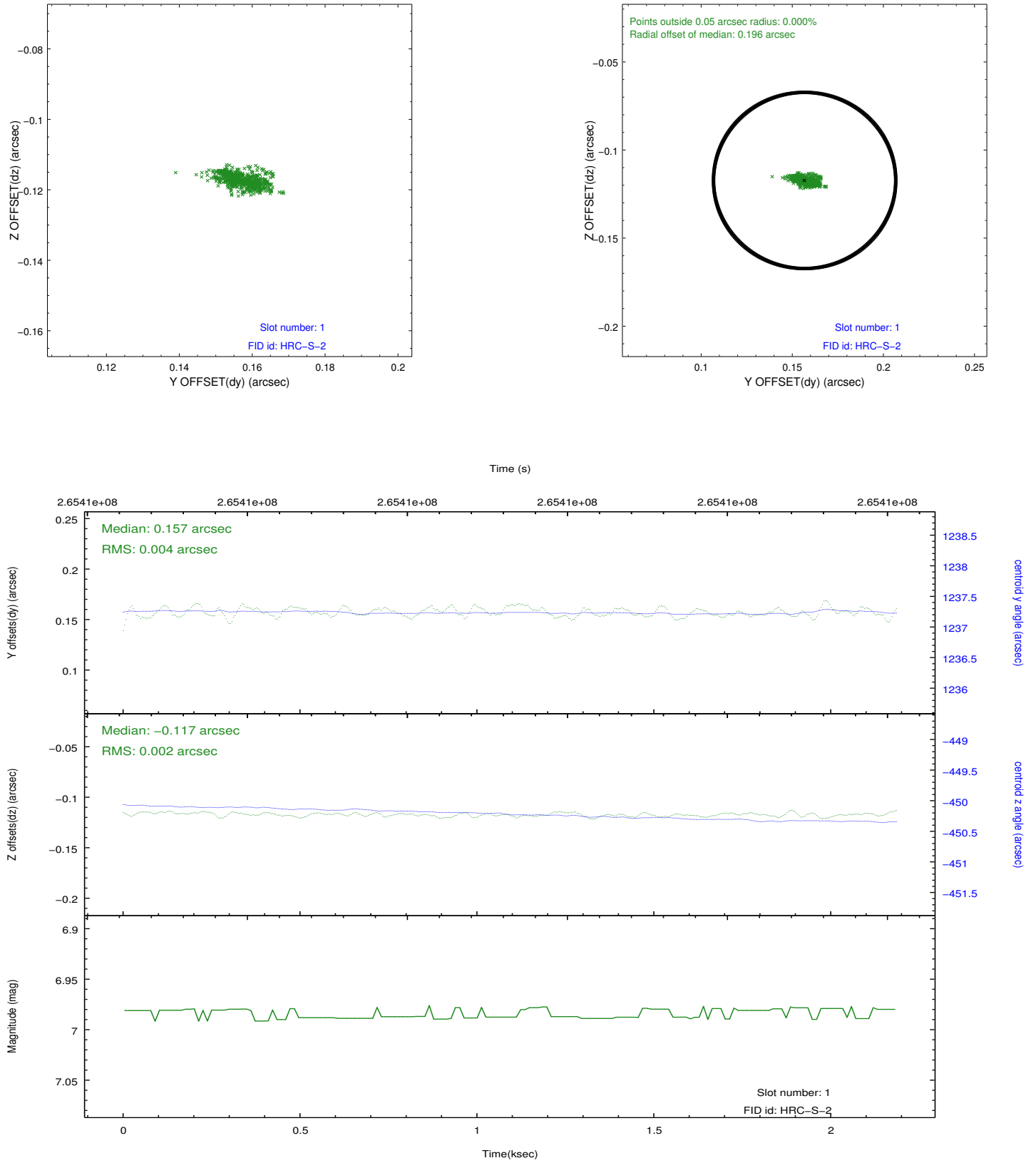


2.5 FID Slots

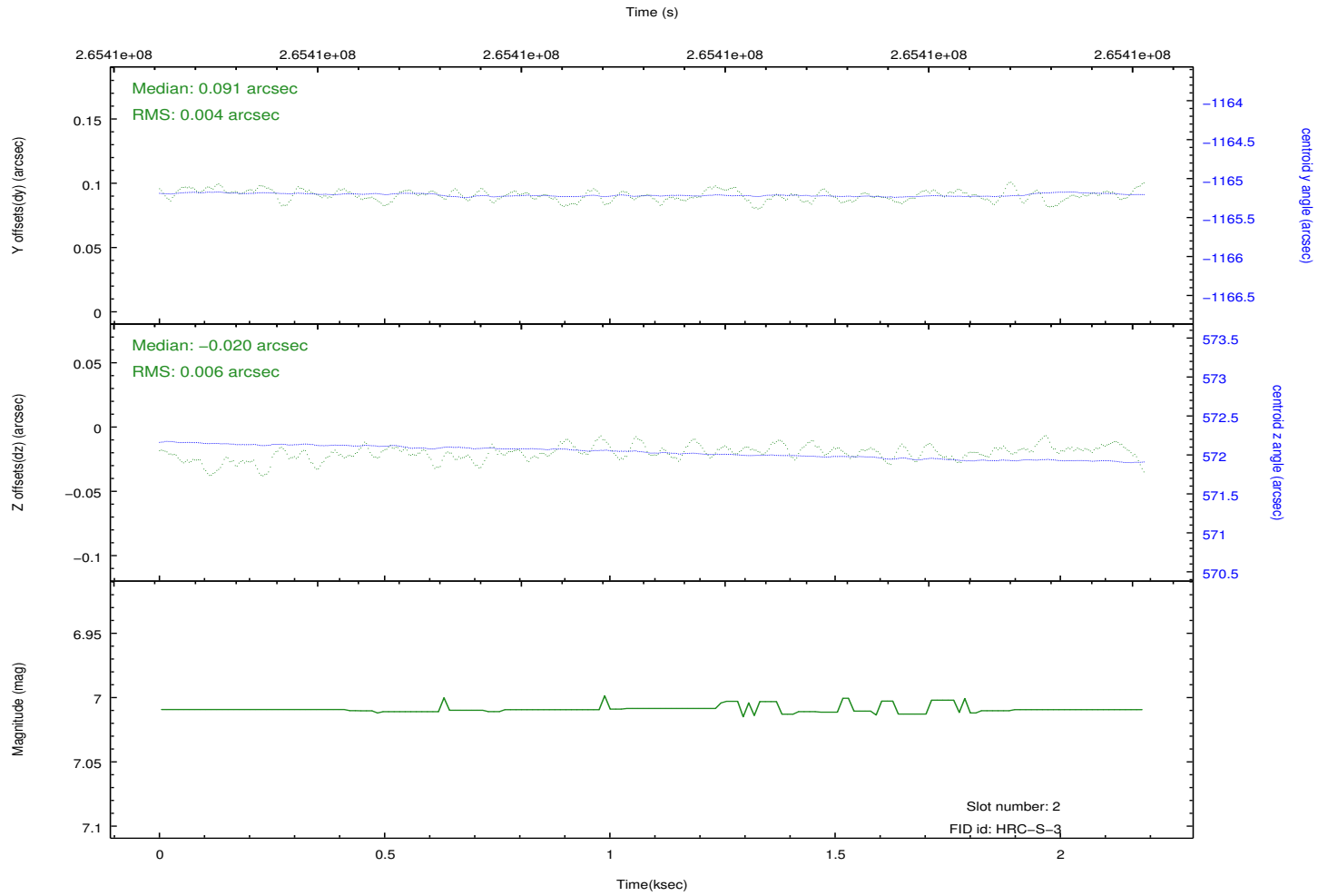
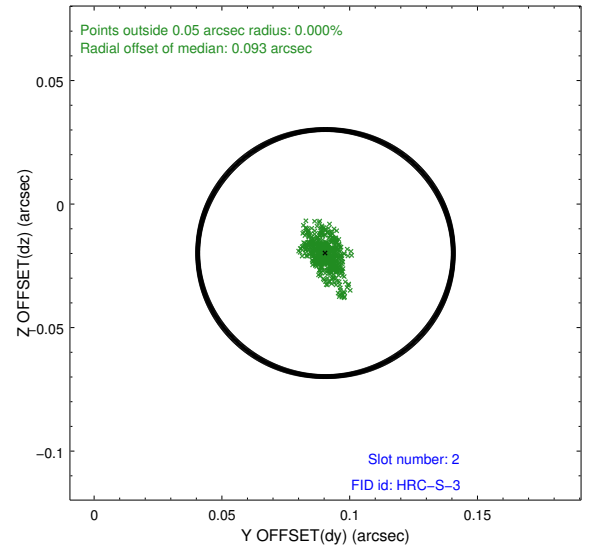
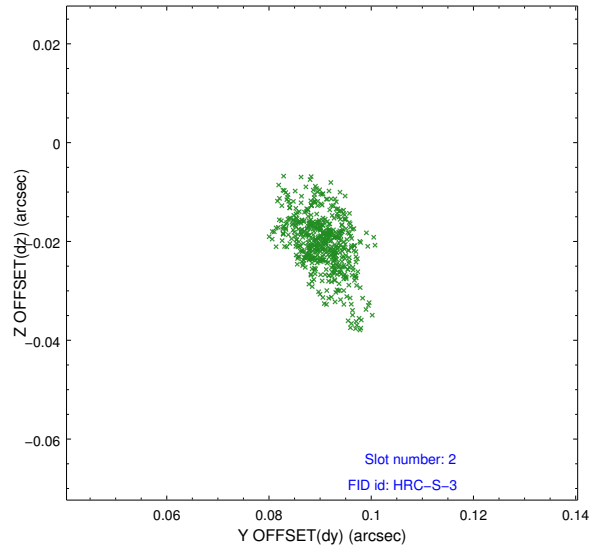
2.5.1 Slot 0



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)	2012.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1576251

A.2 Comments

Window constraint met. The target is off-axis from the aim point and therefore extended.