

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5973 - L2 Version 3
Chandra X-Ray Center

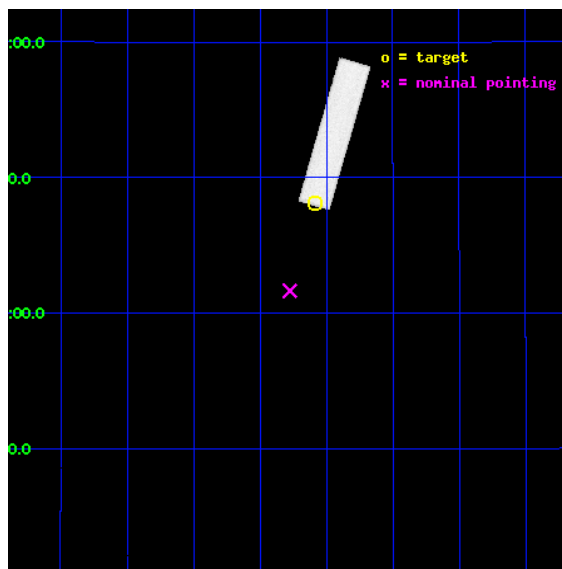
L2 Processing Date : Dec 16 2012

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1 Front

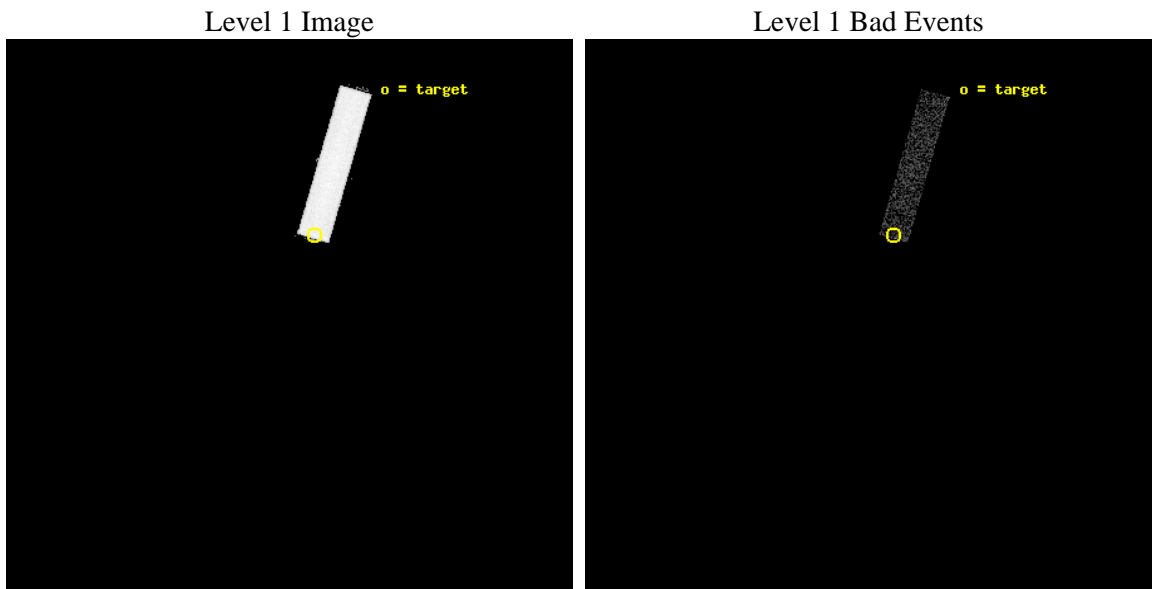
seq_num	290465	Sequence number
obs_id	5973	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.887595080109	Nominal RA [deg]
dec_nom	7.0823146918968	Nominal Dec [deg]
roll_nom	286.1665336217	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2184.5313487947	[s]
livetime	2171.3602526961	Ontime multiplied by DTCOR
l2events	95170	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	8.5.1	Processing system revision	ontime	2184.5313487947	[s]
caldsver	4.5.5	 	l1events	135878	Number of level 1 events
date	2012-12-17T01:37:07	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

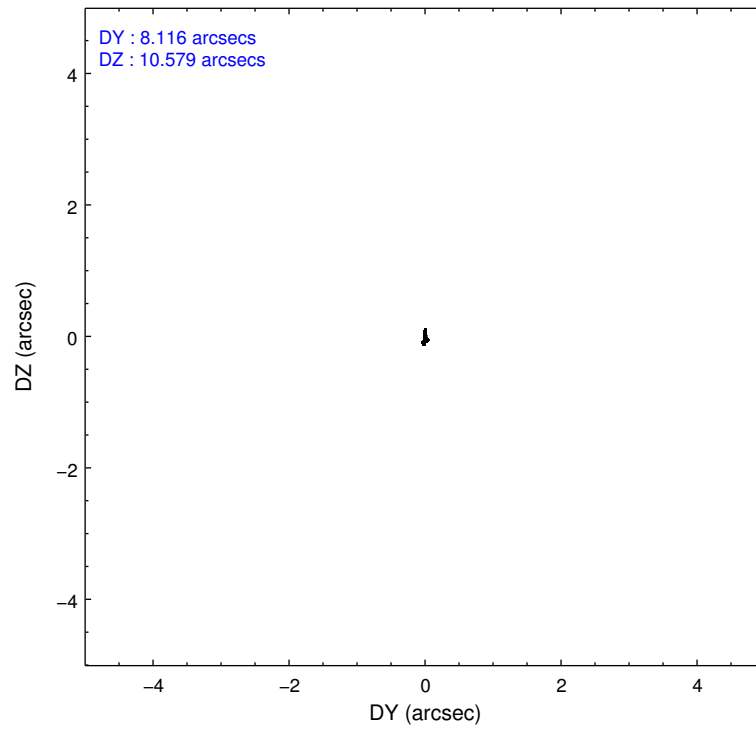
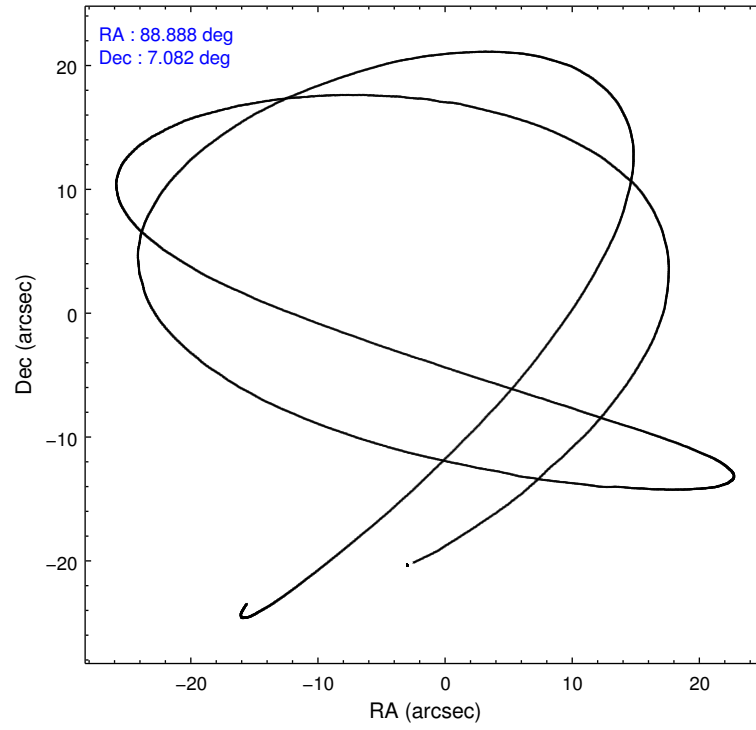
Level 1 Events

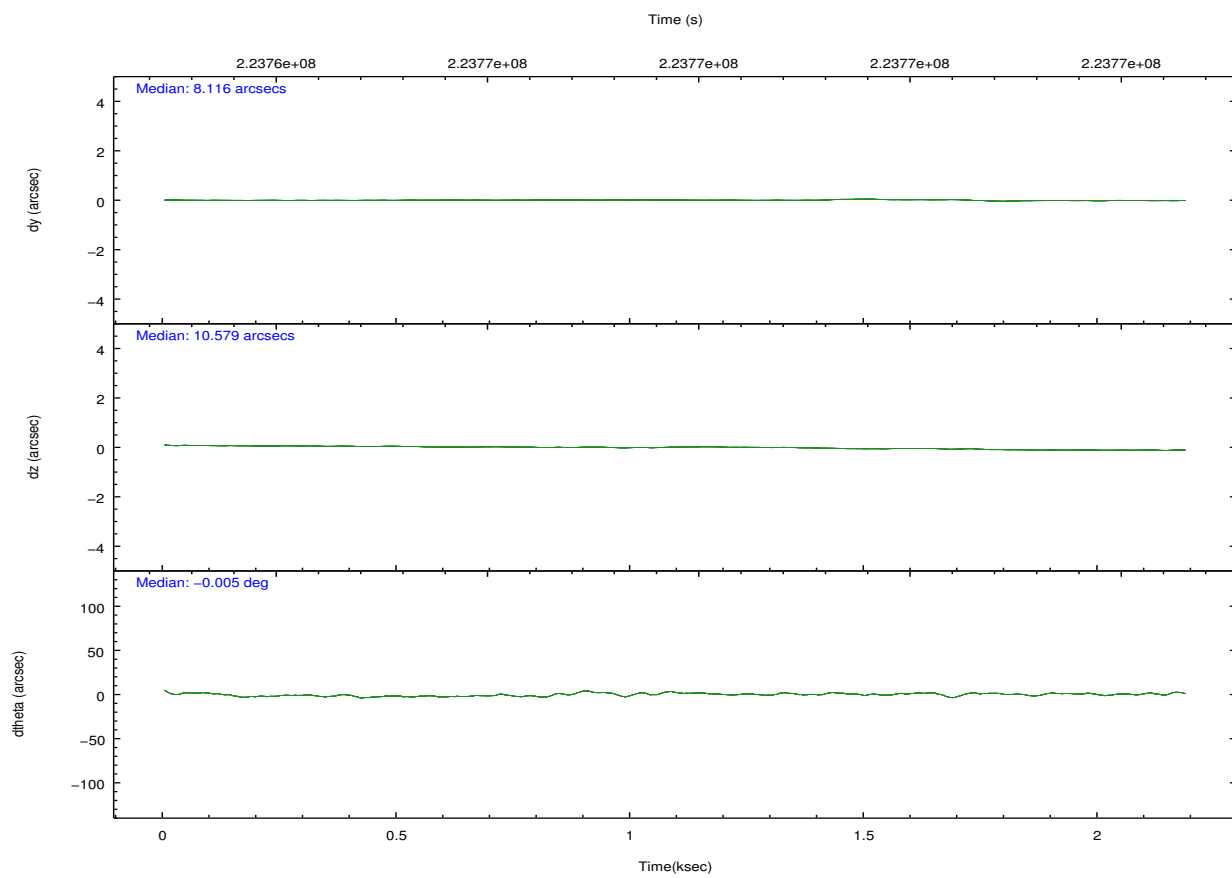
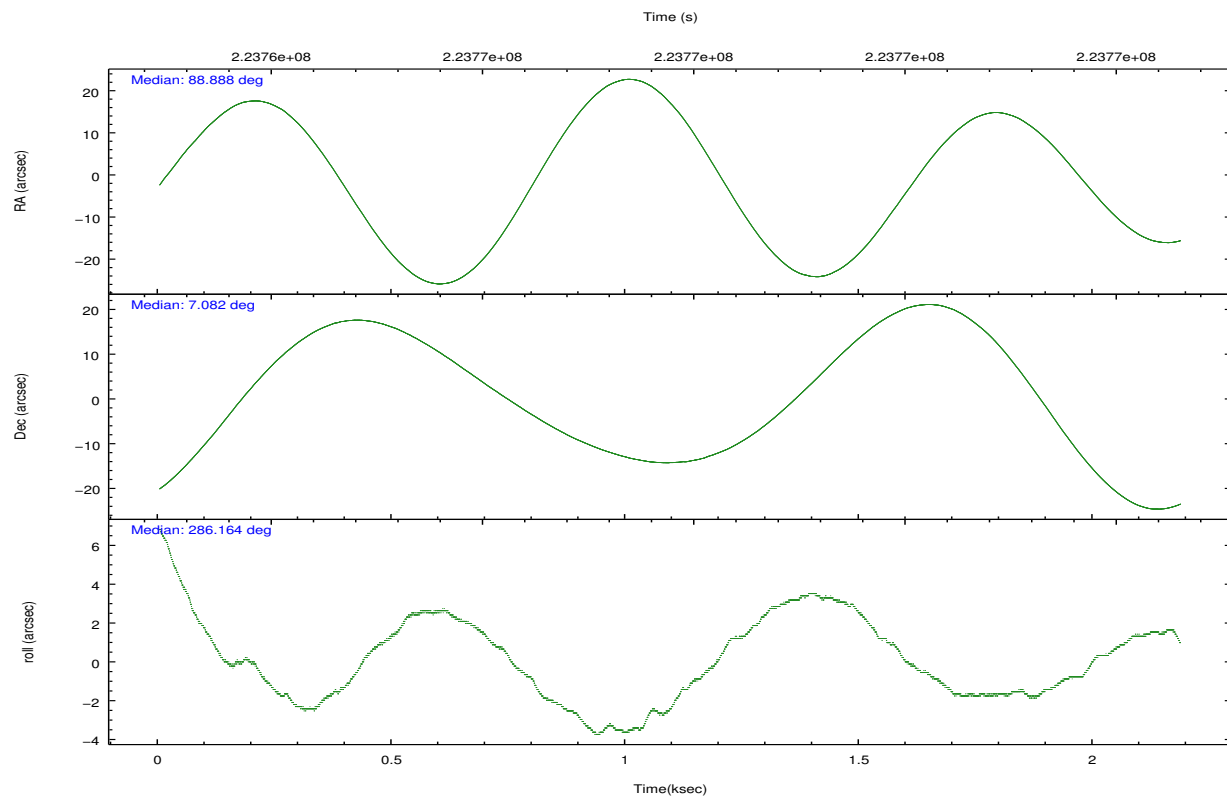
	segment 1	segment 2	segment 3
level 1 events	135834	44	0
rejected events	15663	6	0
rejected %	11%	13%	0%

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	88.865562	88.88759508010922			
[deg] Pointing Dec	7.101034	7.082314691896841			
[deg] Pointing Roll	286.101895	286.1665336216954			
[s] Window start time (MET)	223603264.184000	223603264.184000			
[s] Window stop time (MET)	228614464.184000	228614464.184000			
[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)	223765037.184000	223764661.12765			
Observation start date	2005-02-02T20:56:13	2005-02-02T20:51:01			
[s] Observation end time (MET)	223767037.184000	223767171.35276			
Observation end date	2005-02-02T21:29:33	2005-02-02T21:32:51			

2.3 Aspect



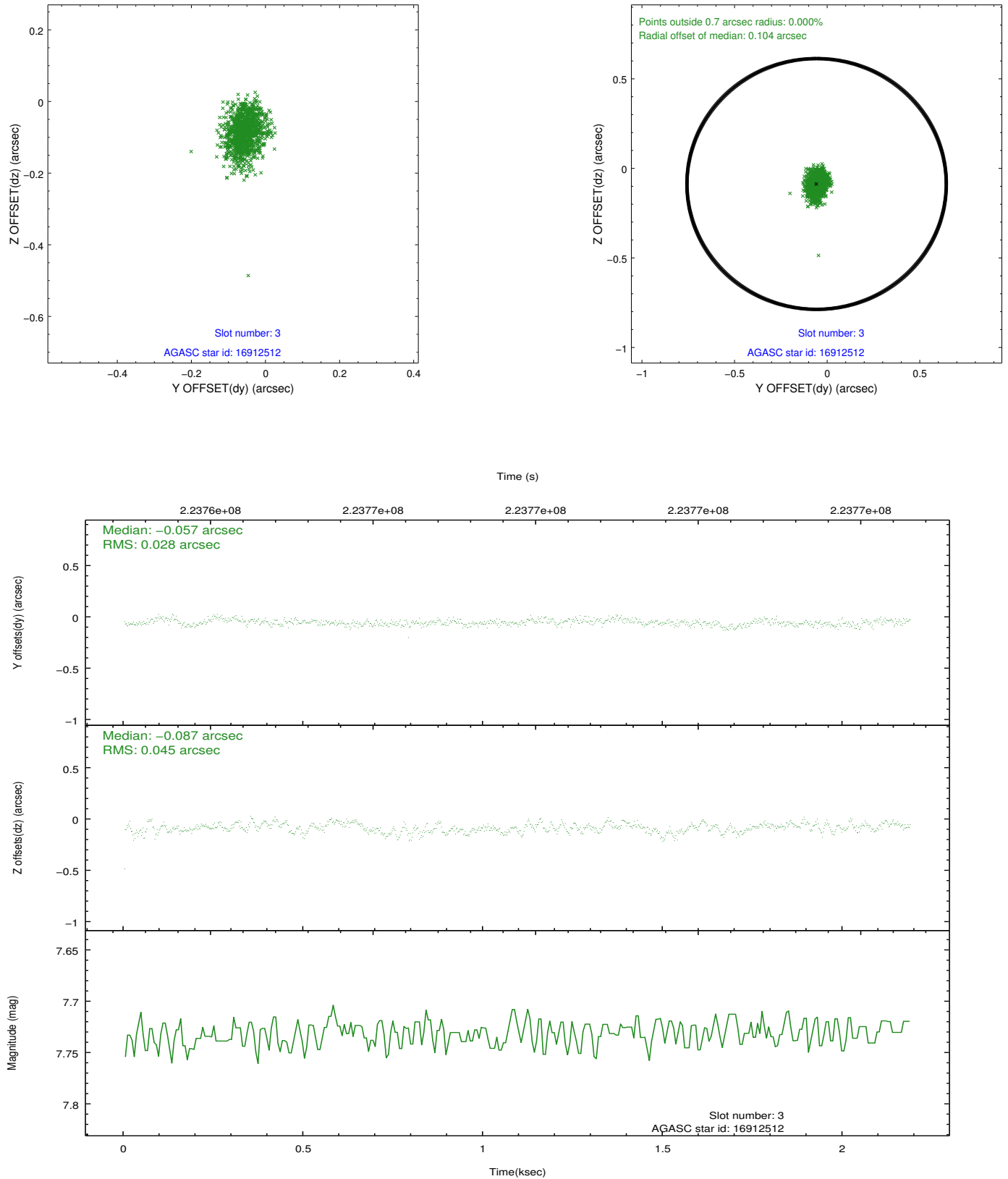


Slot Statistics

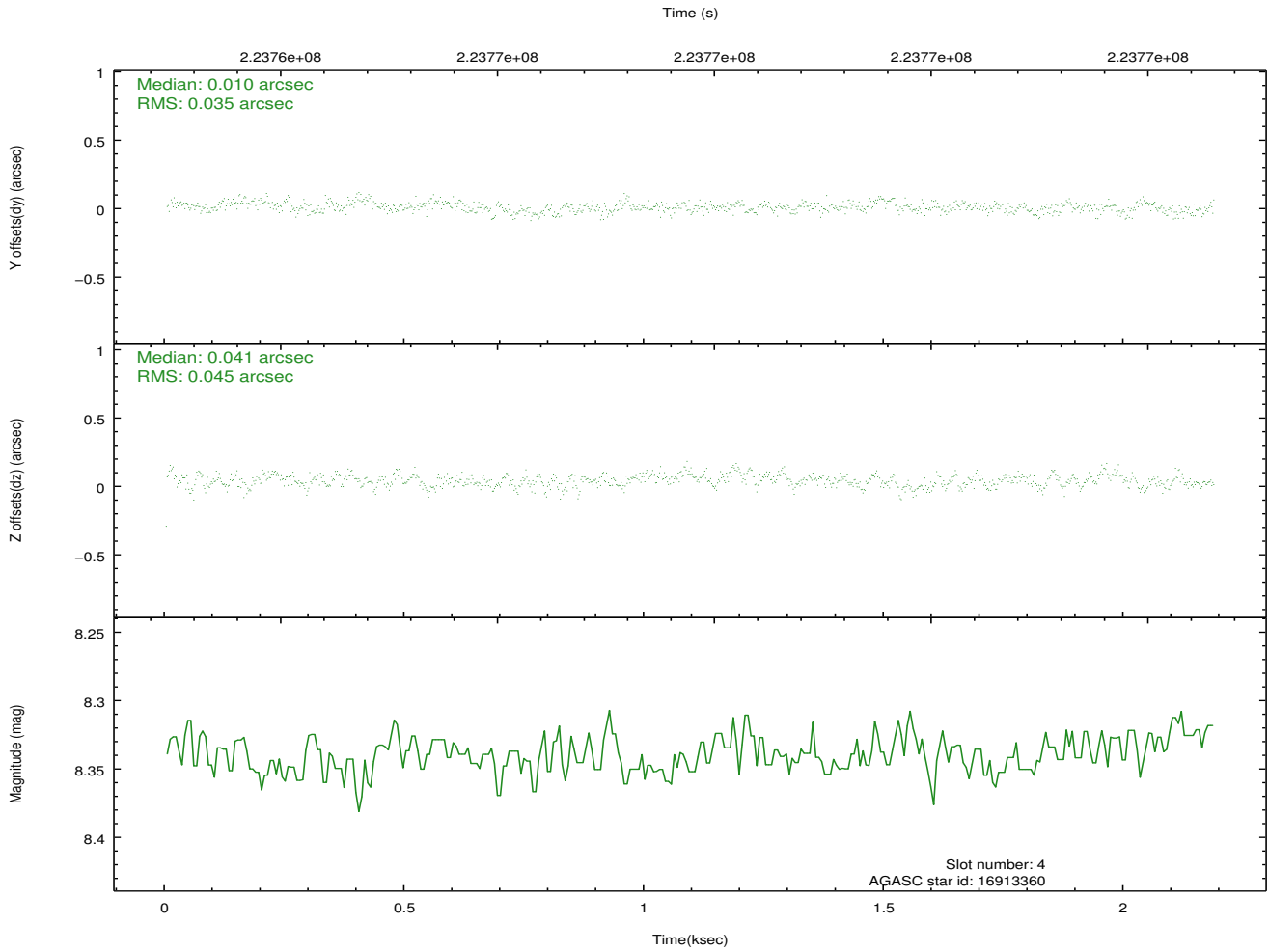
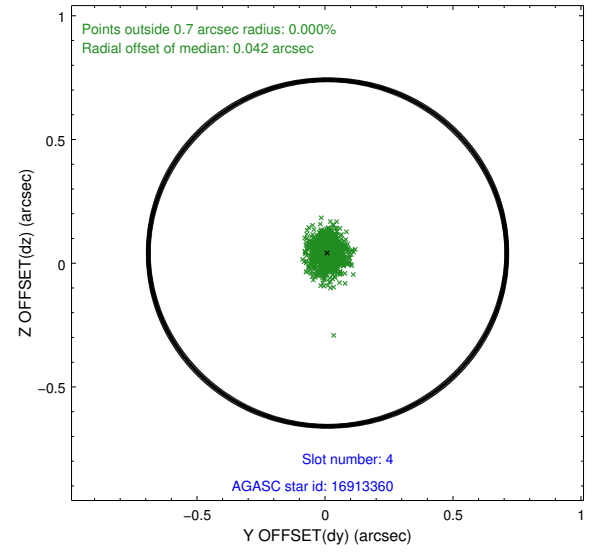
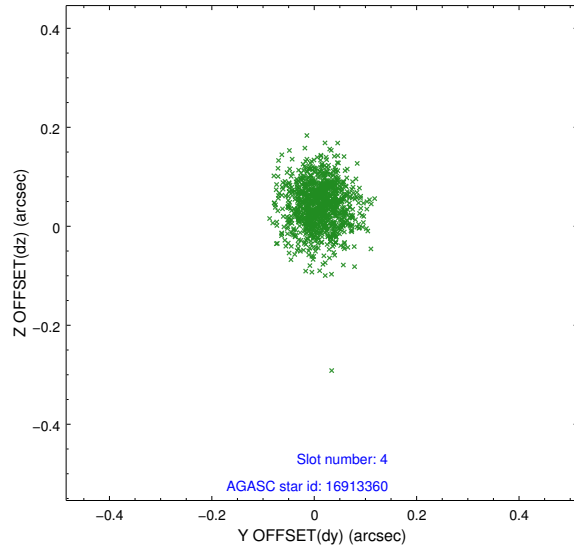
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	533	0.089	-0.200	0.008	0.014	0.000000	0.000000	-1162.32	-459.35
1	FID	HRC-S-3	7.03	533	0.080	-0.015	0.010	0.016	0.000000	0.000000	-1167.26	569.50
2	FID	HRC-S-4	6.98	533	0.219	-0.082	0.006	0.011	0.000000	0.000000	1233.85	574.00
3	GUIDE	16912512	7.73	1067	-0.057	-0.087	0.055	0.090	88.651510	7.129862	-311.82	-706.70
4	GUIDE	16913360	8.34	1067	0.010	0.041	0.061	0.099	89.178373	7.247125	-196.01	1217.84
5	GUIDE	16917248	8.71	1067	0.104	0.142	0.066	0.108	89.306967	6.774731	1565.58	1191.04
6	GUIDE	16918912	8.64	1067	0.136	0.085	0.074	0.119	89.257075	6.922287	1007.46	1166.43
7	GUIDE	93856056	7.97	1066	-0.190	-0.173	0.068	0.108	88.147460	7.547925	-2257.49	-2015.57

2.4 Star Slots

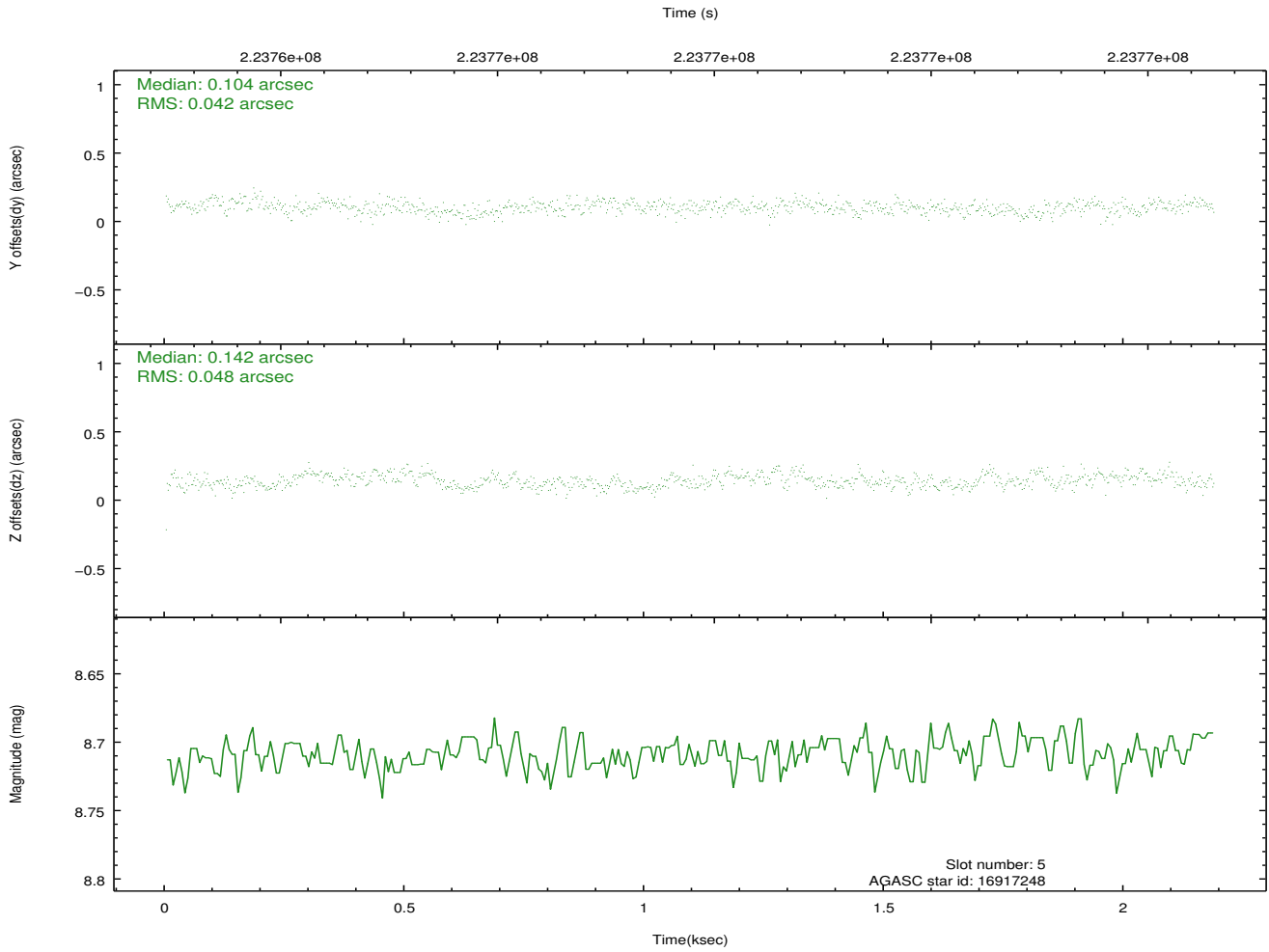
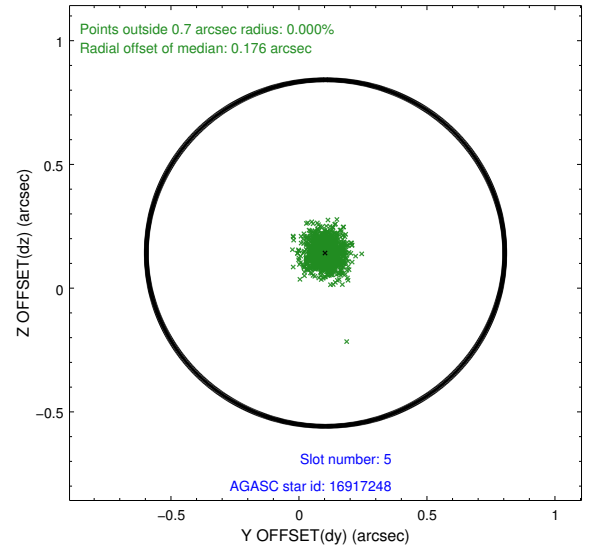
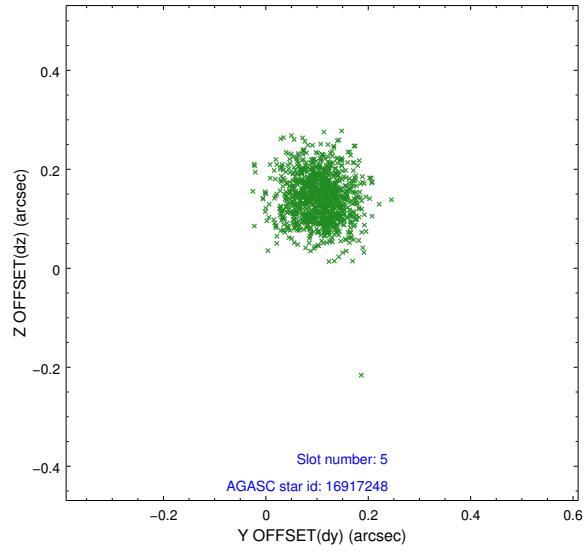
2.4.1 Slot 3



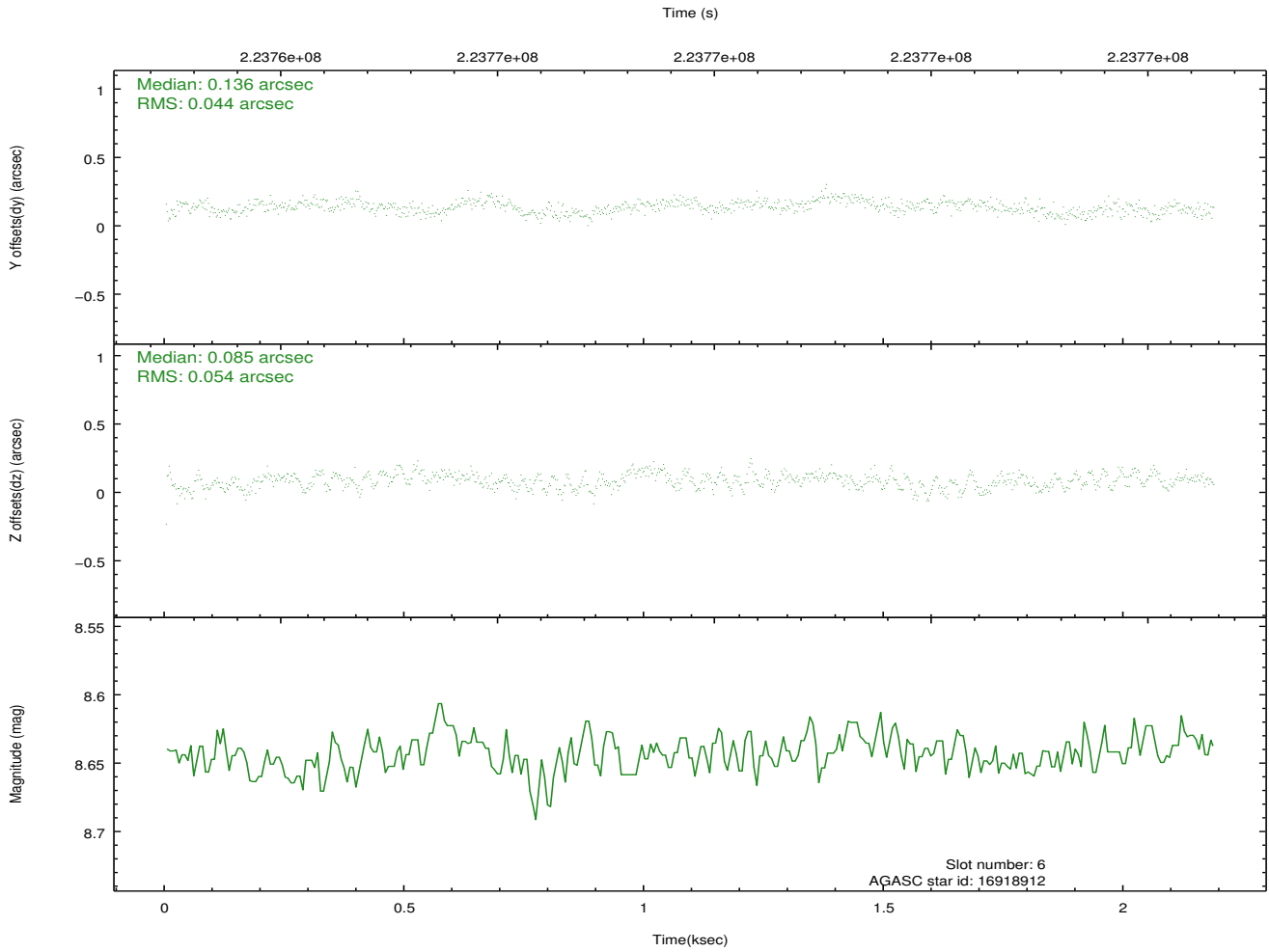
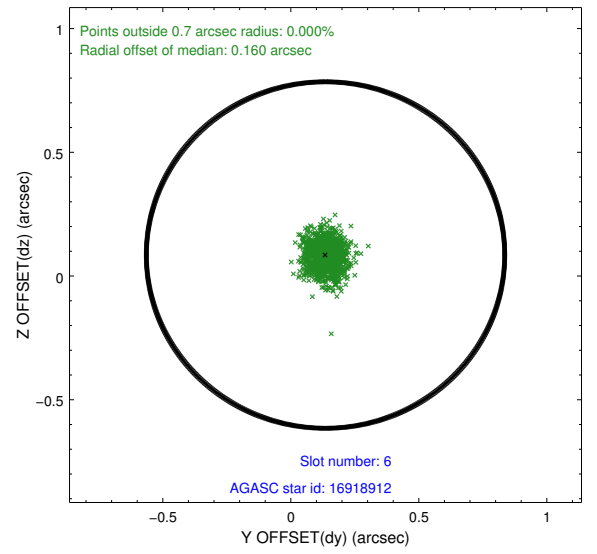
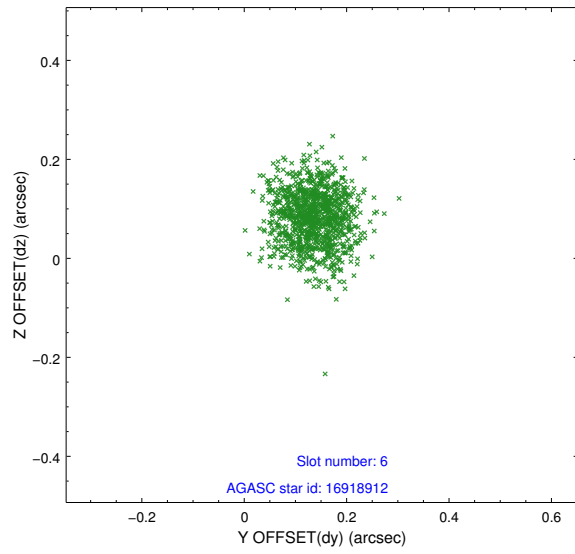
2.4.2 Slot 4



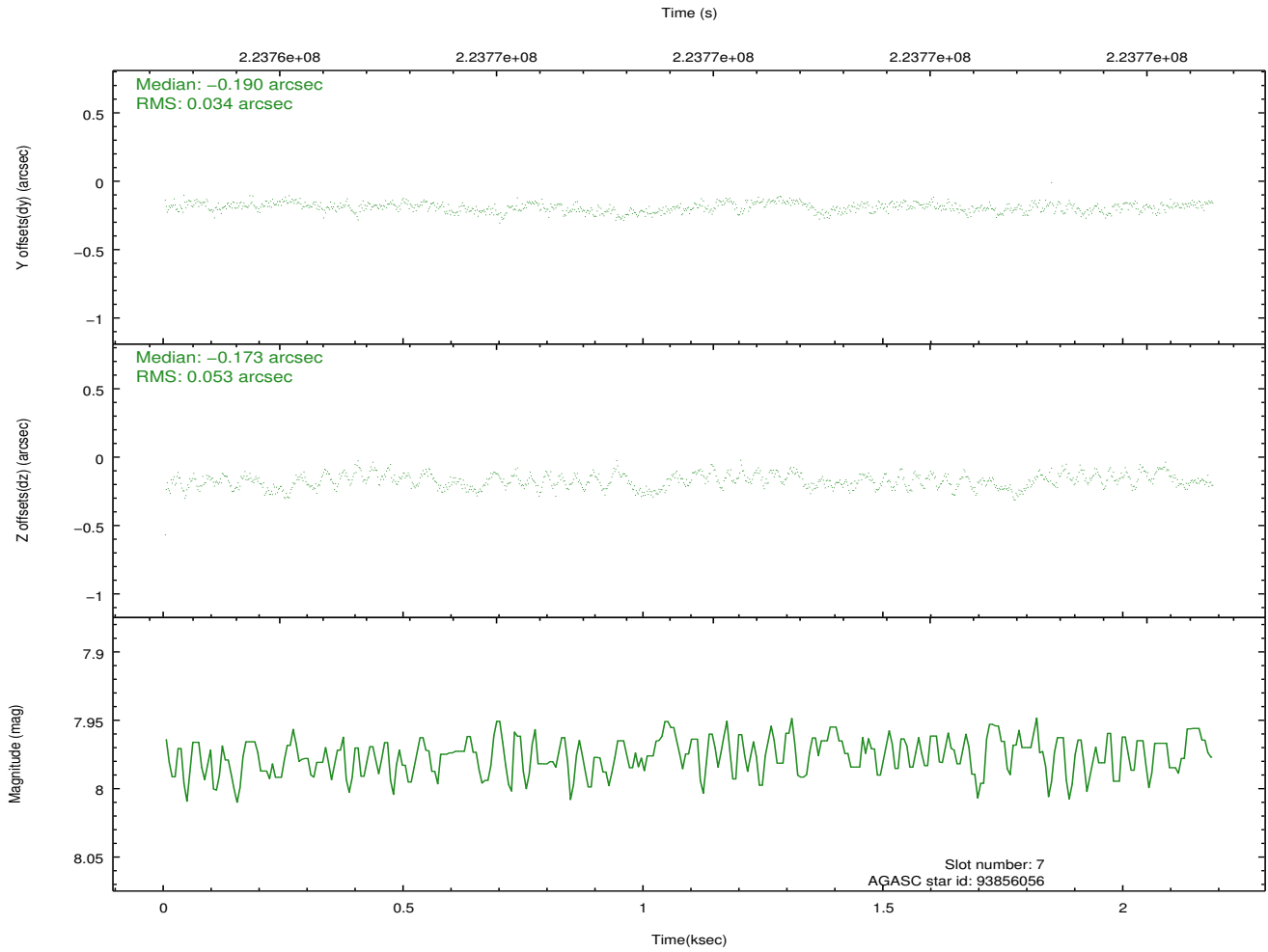
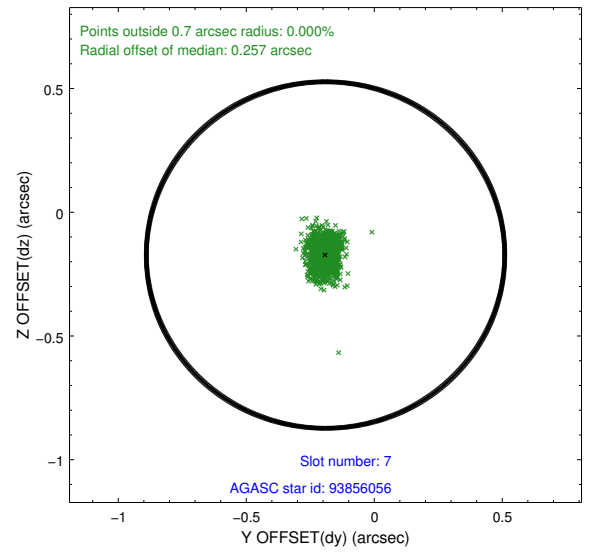
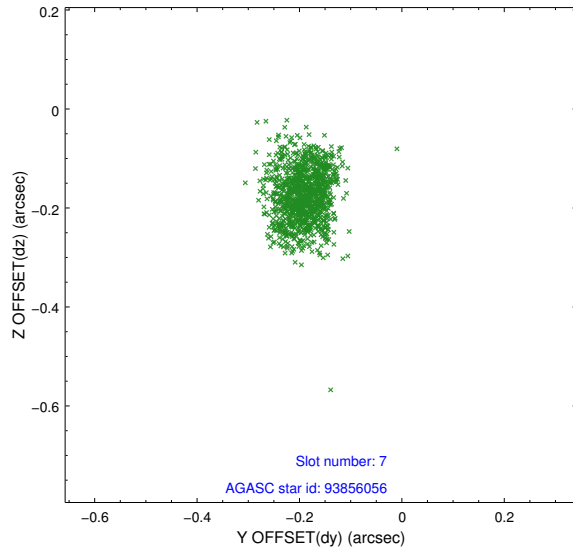
2.4.3 Slot 5



2.4.4 Slot 6

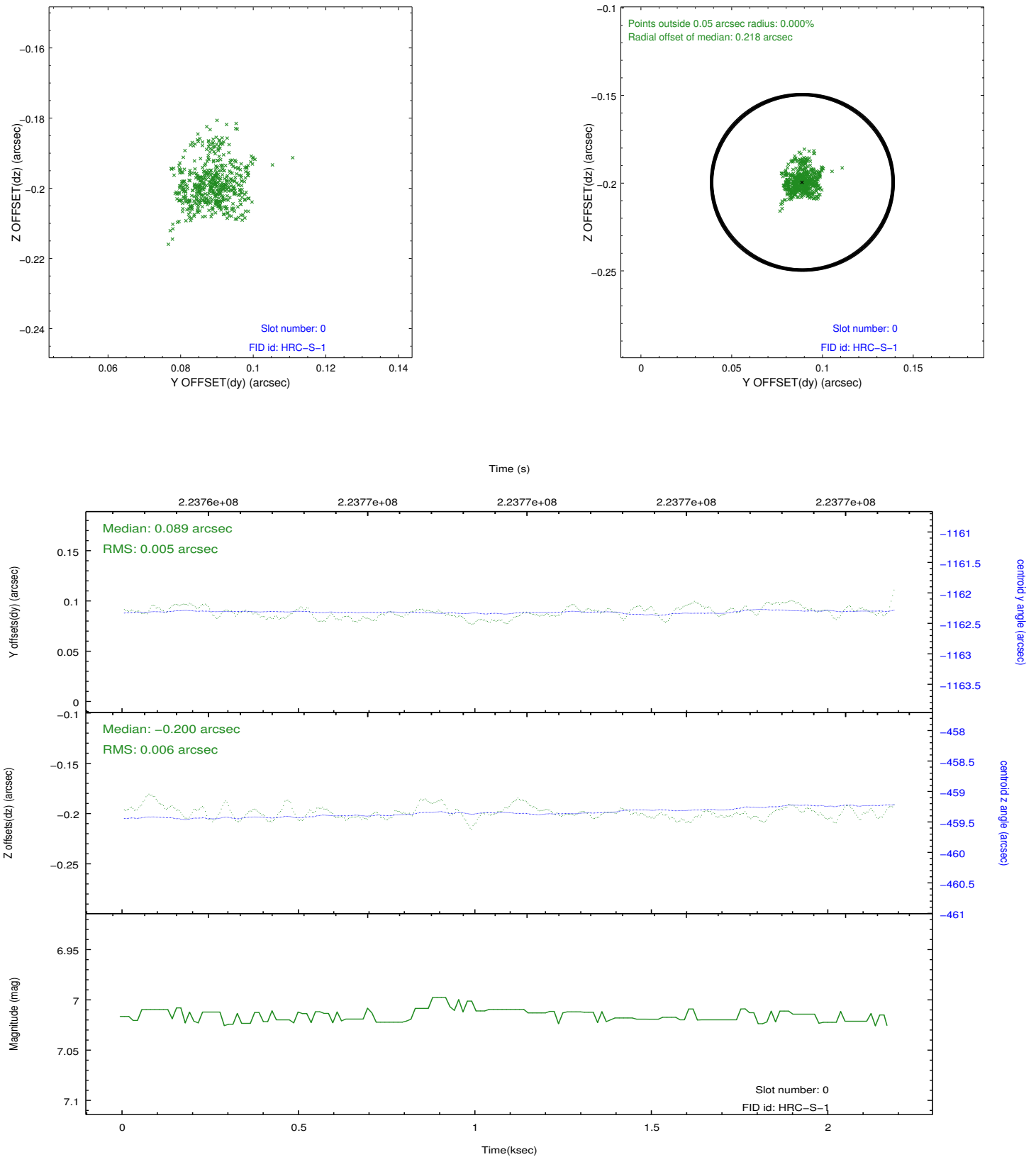


2.4.5 Slot 7

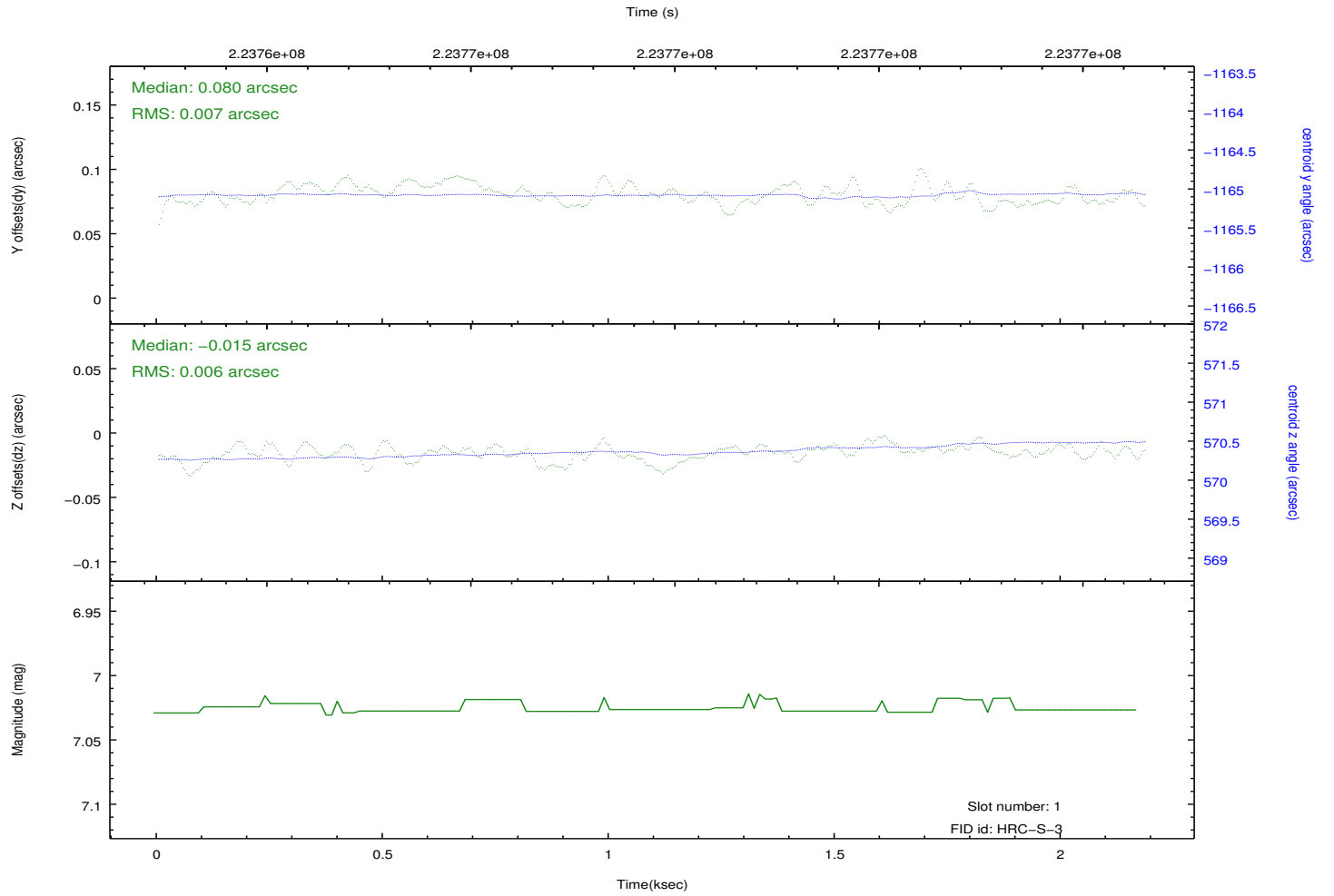
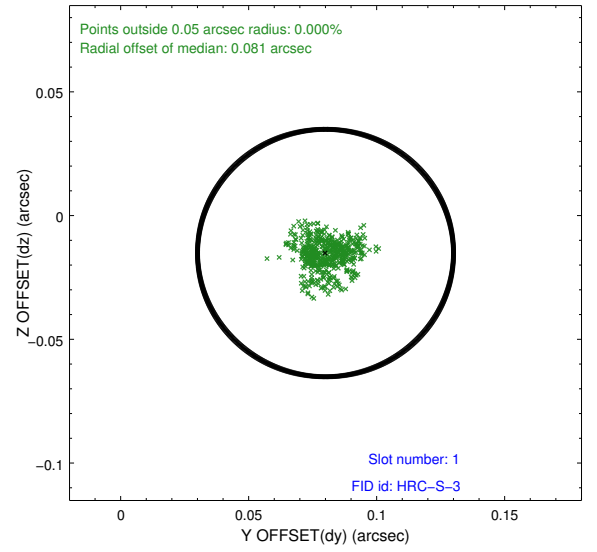
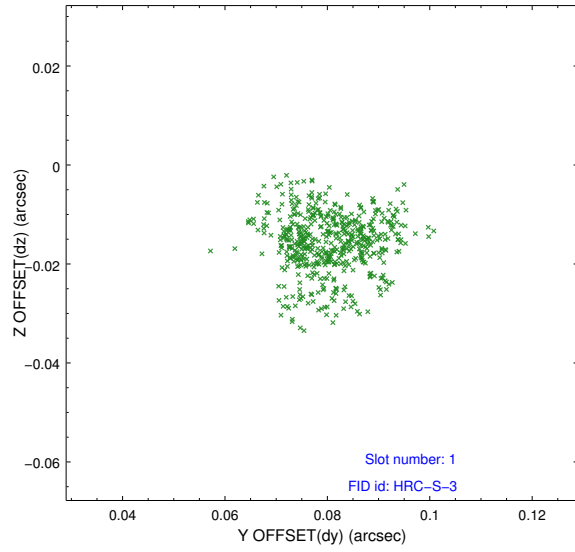


2.5 FID Slots

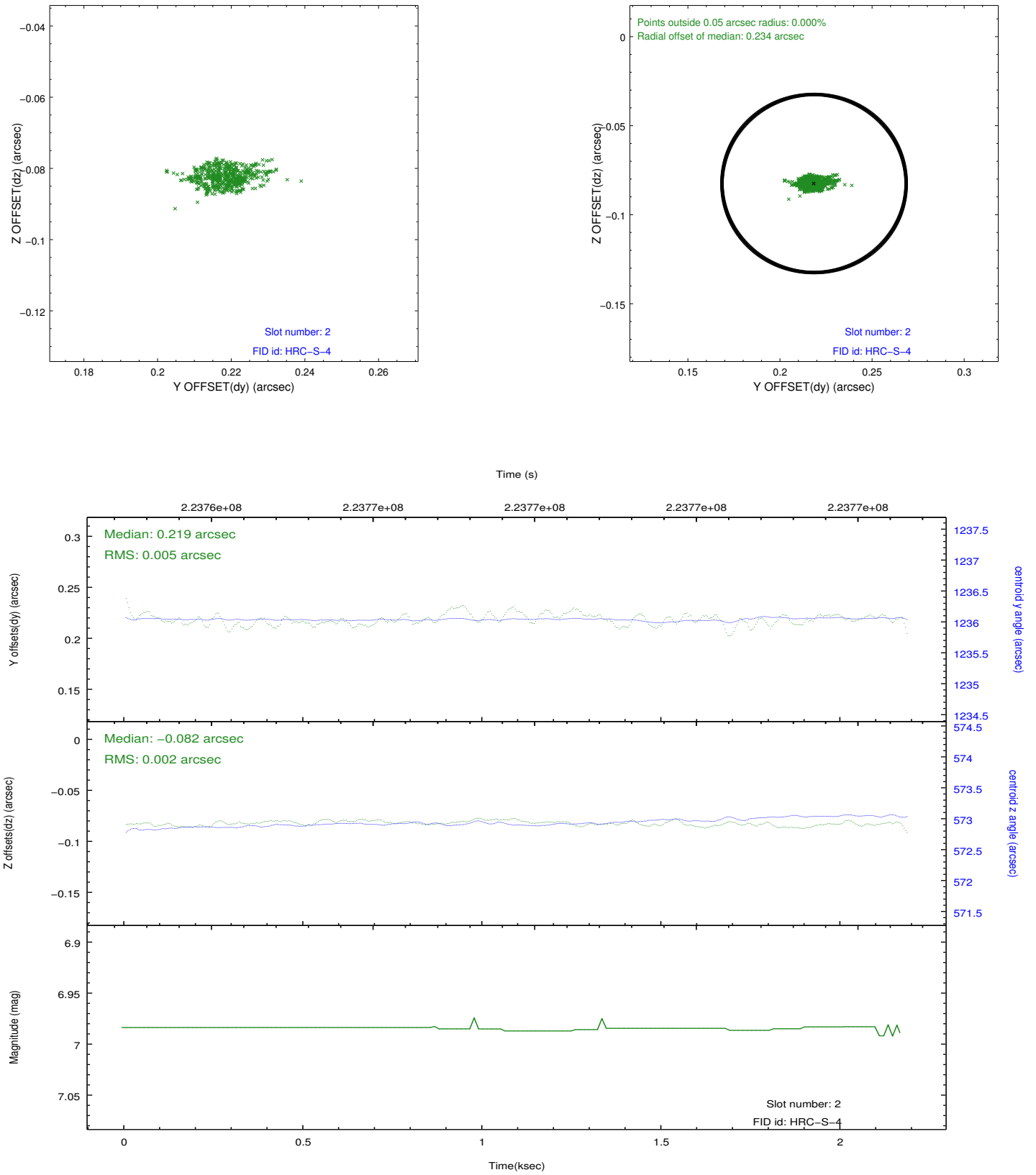
2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.184275

A.2 Comments

Window constraint met.