

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3681 - L2 Version 3
Chandra X-Ray Center

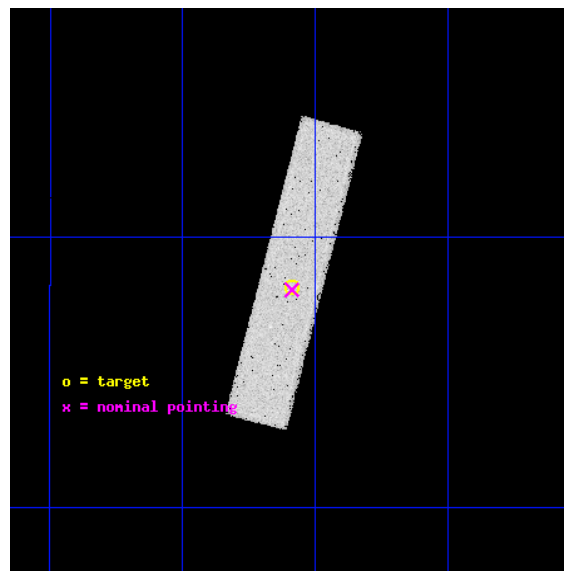
L2 Processing Date : Oct 22 2012

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1 Front

seq_num	290235	Sequence number
obs_id	3681	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	88.79410343728	Nominal RA [deg]
dec_nom	7.4025212466809	Nominal Dec [deg]
roll_nom	284.46728930698	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1819.6313264072	[s]
livetime	1810.1029580836	Ontime multiplied by DTCOR
l2events	61573	Number of level 2 events

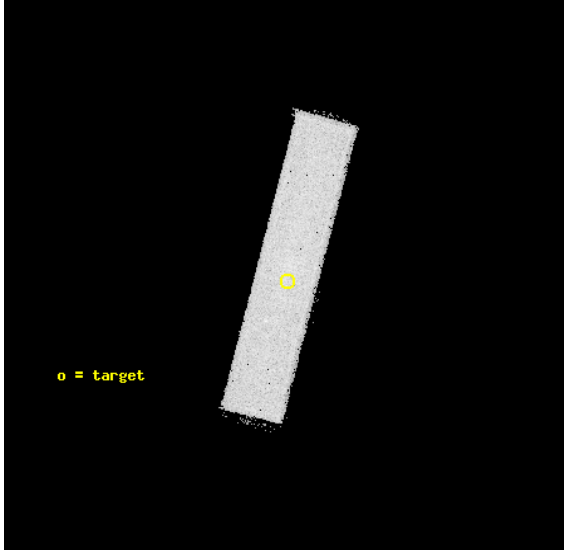


2 OBI

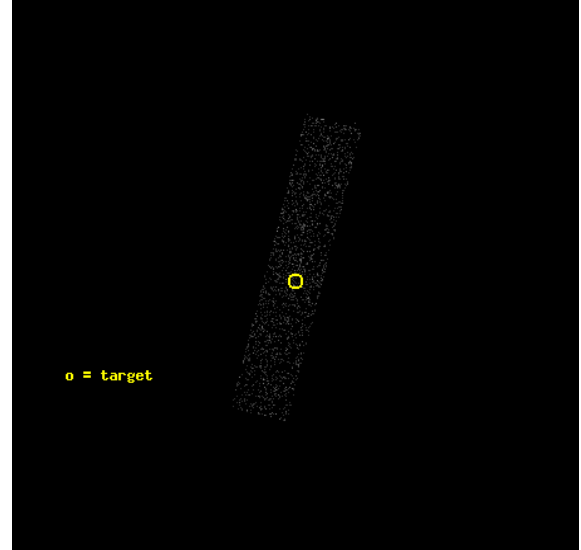
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



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	1819.6313264072	[s]
caldsver	4.5.2	 	l1events	85721	Number of level 1 events
date	2012-10-22T04:02:45	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

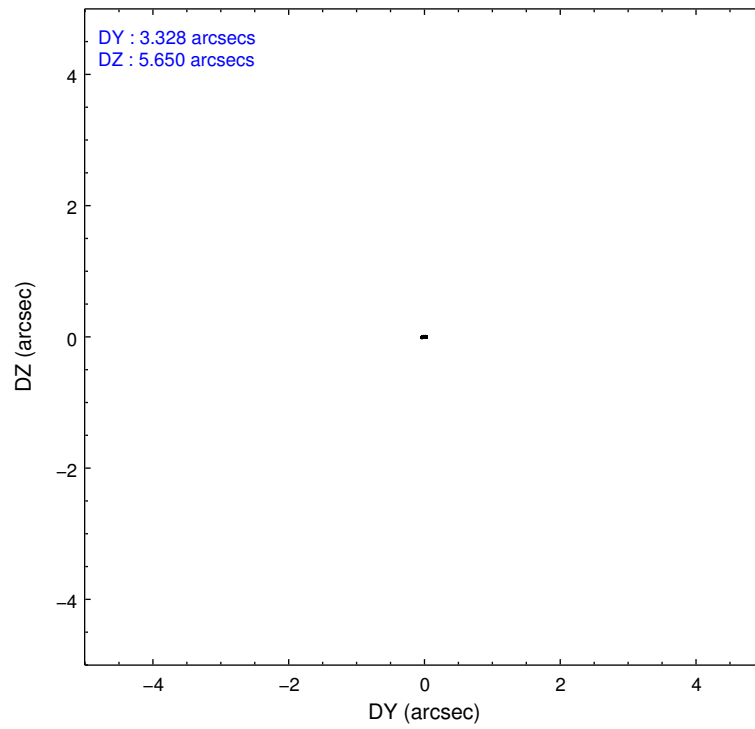
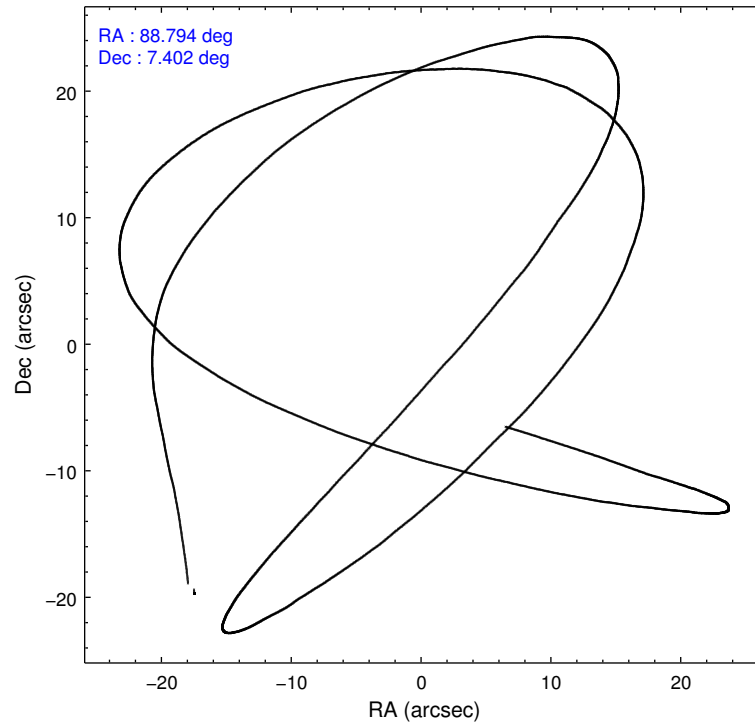
Level 1 Events

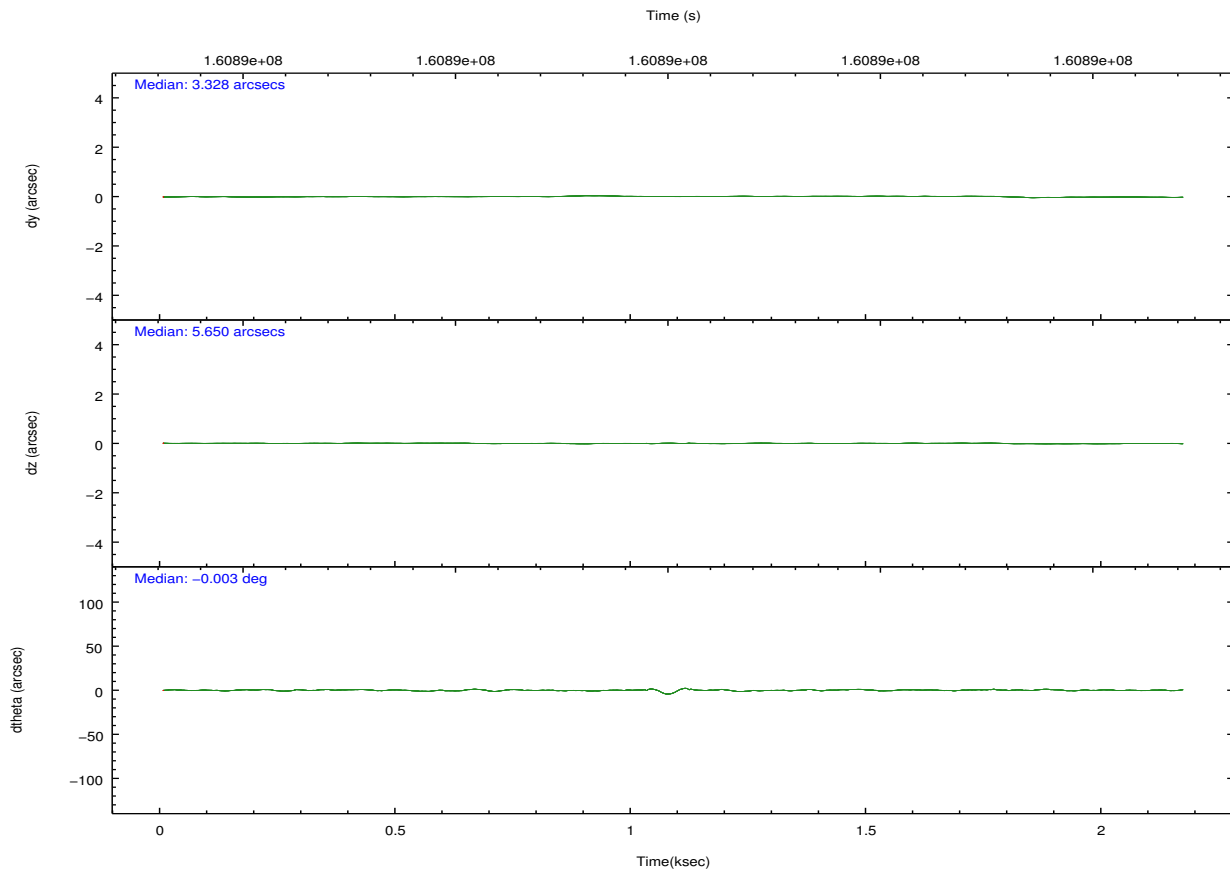
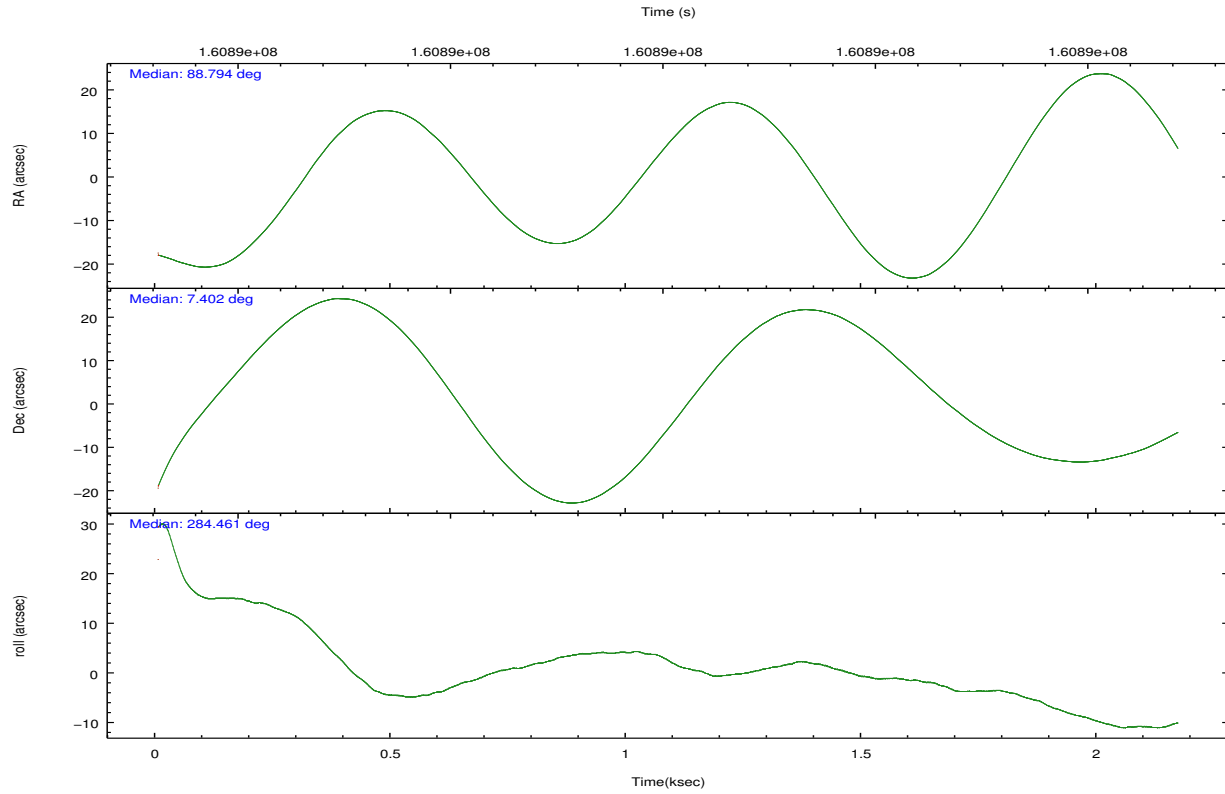
	segment 1	segment 2	segment 3
level 1 events	0	85721	0
rejected events	0	8233	0
rejected %	0%	9%	0%

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	88.772759	88.79410343727992			
[deg] Pointing Dec	7.421885	7.402521246680874			
[deg] Pointing Roll	284.402542	284.4672893069823			
[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)	160889600.184000	160888688.64803			
Observation start date	2003-02-06T03:32:16	2003-02-06T03:18:08			
[s] Observation end time (MET)	160891600.184000	160891733.41066			
Observation end date	2003-02-06T04:05:36	2003-02-06T04:08:53			

2.3 Aspect



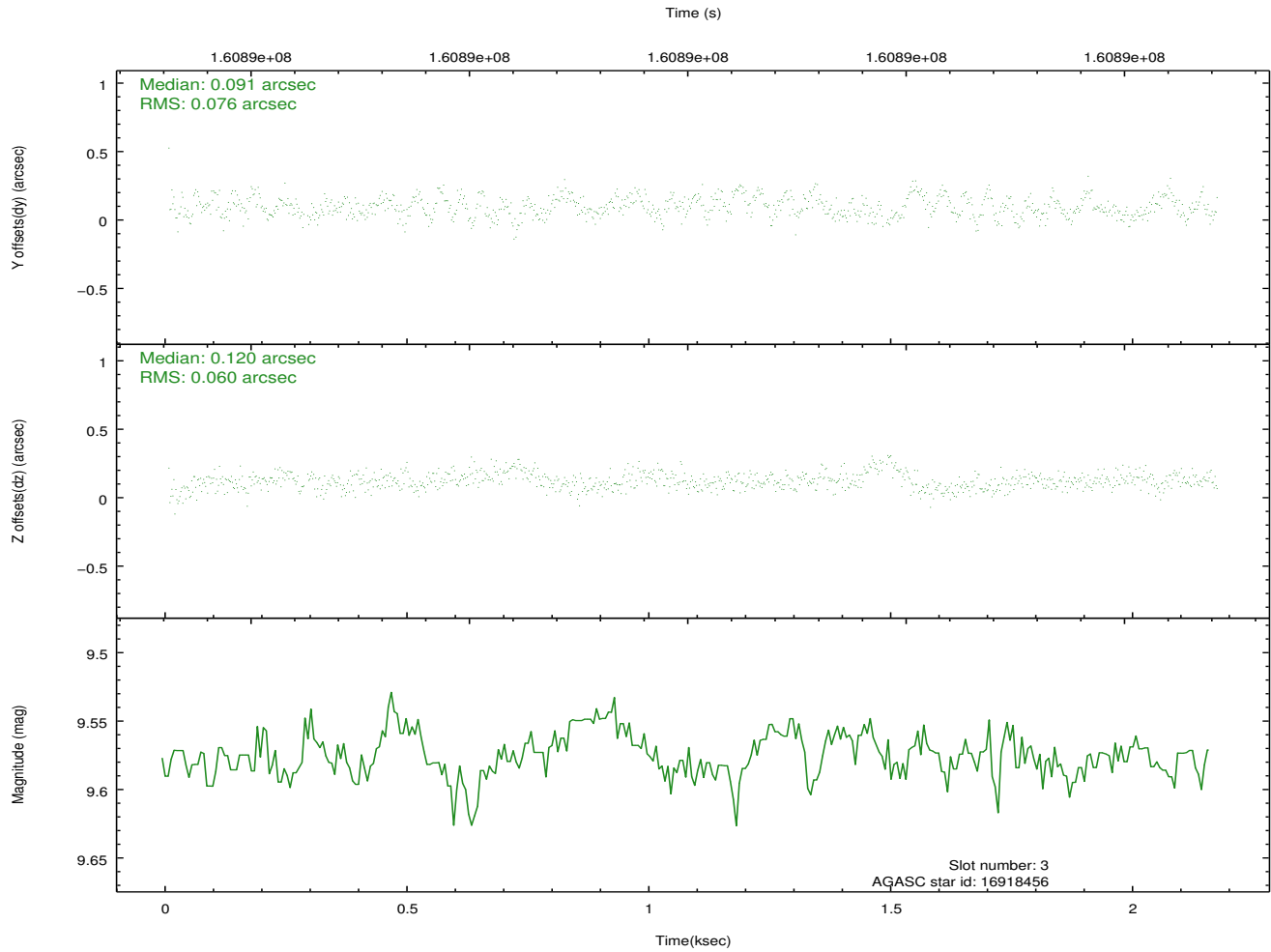
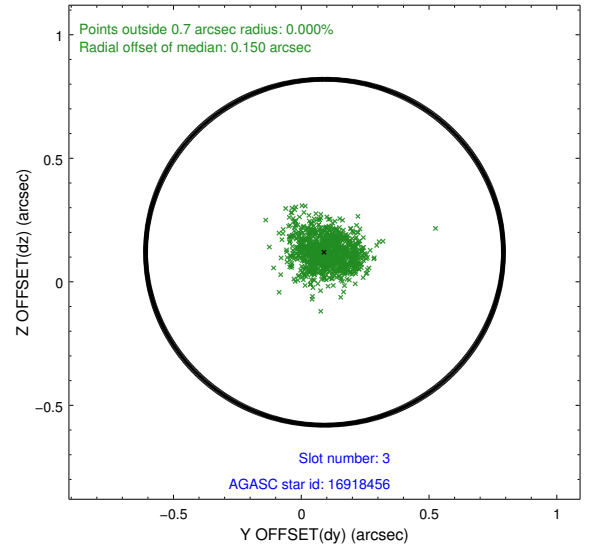
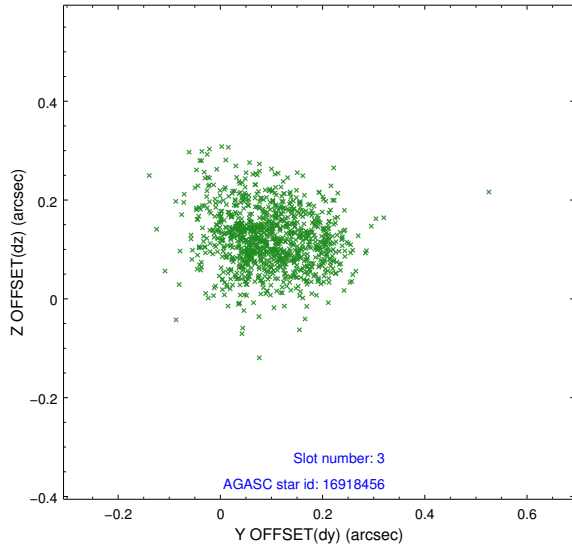


Slot Statistics

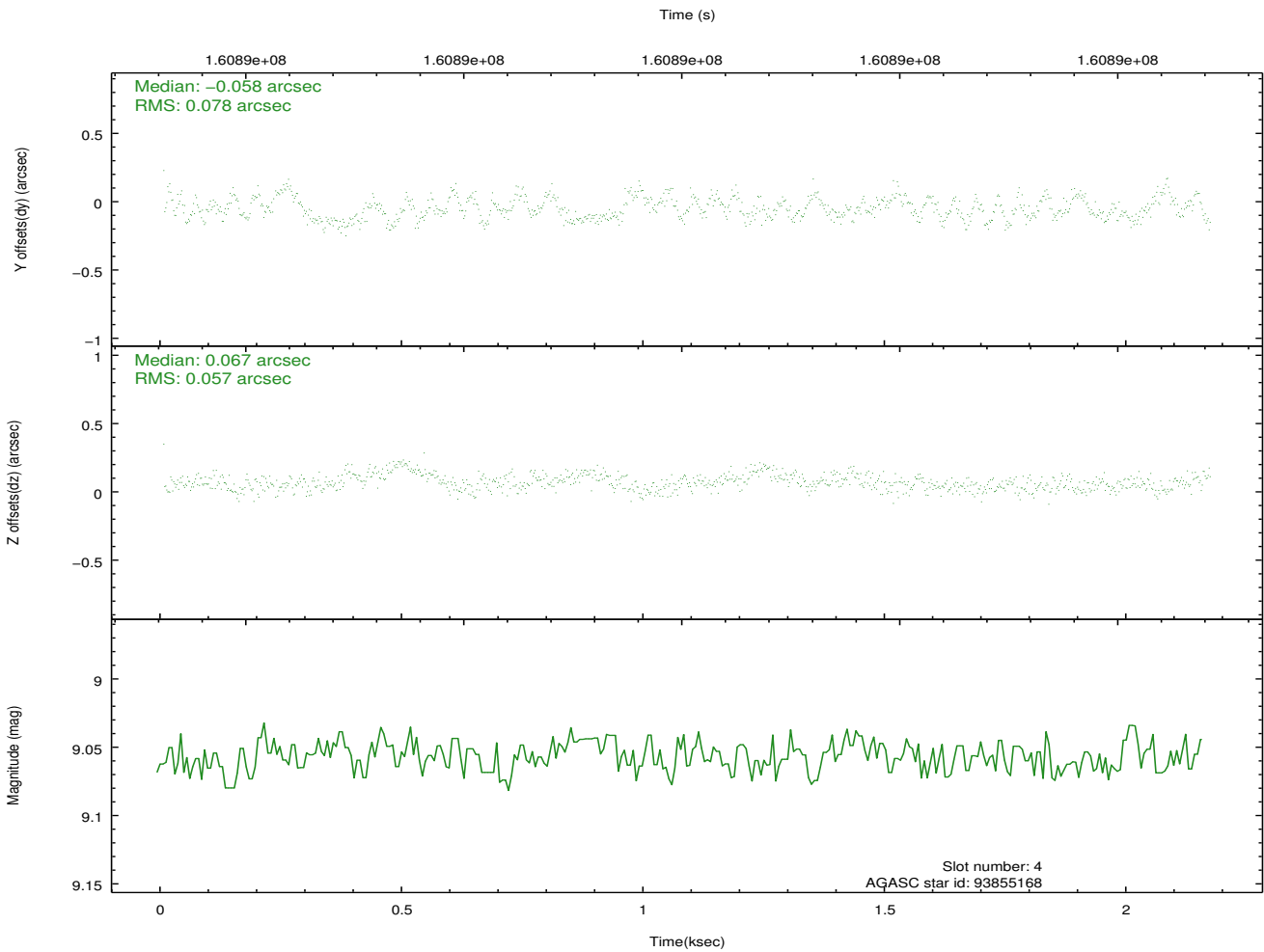
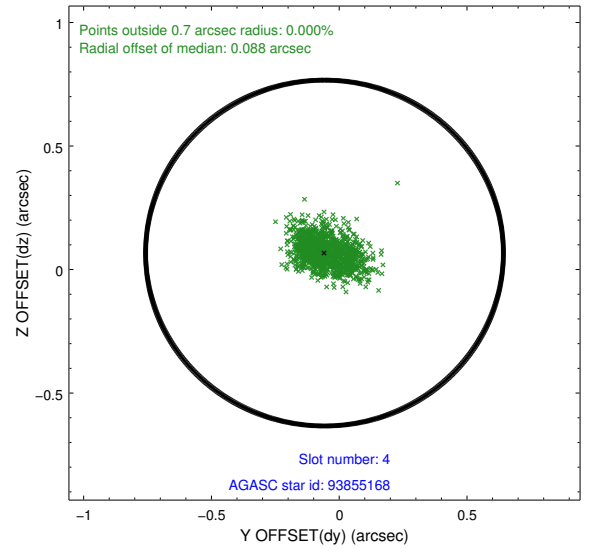
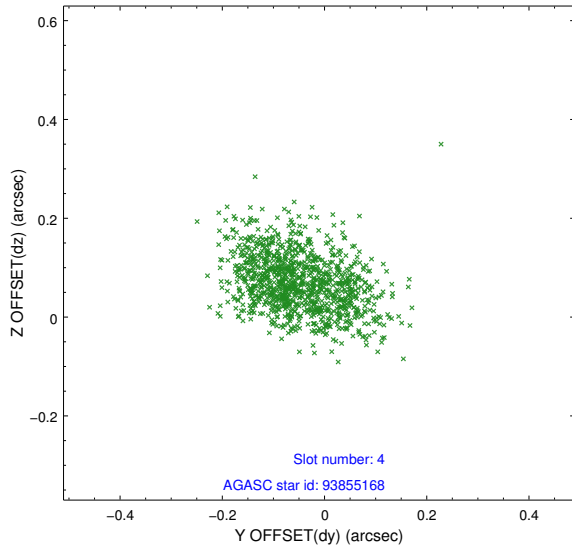
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	529	0.156	-0.176	0.006	0.014	0.000000	0.000000	-1157.36	-454.20
1	FID	HRC-S-2	7.01	529	0.098	-0.098	0.004	0.009	0.000000	0.000000	1240.07	-447.64
2	FID	HRC-S-3	7.03	529	0.136	-0.028	0.006	0.014	0.000000	0.000000	-1157.75	574.63
3	GUIDE	16918456	9.57	1051	0.091	0.120	0.102	0.163	89.526896	7.059699	1930.86	2285.92
4	GUIDE	93855168	9.06	1057	-0.058	0.067	0.103	0.166	89.021483	7.846508	-1258.46	1241.20
5	GUIDE	16910592	8.98	1058	0.120	0.001	0.094	0.143	88.532936	6.726769	2209.52	-1451.89
6	GUIDE	16920024	9.59	1055	0.053	0.024	0.138	0.216	89.470514	7.369076	804.02	2364.37
7	GUIDE	93727680	9.40	1057	-0.206	-0.218	0.107	0.177	87.997056	7.769554	-1902.03	-2366.62

2.4 Star Slots

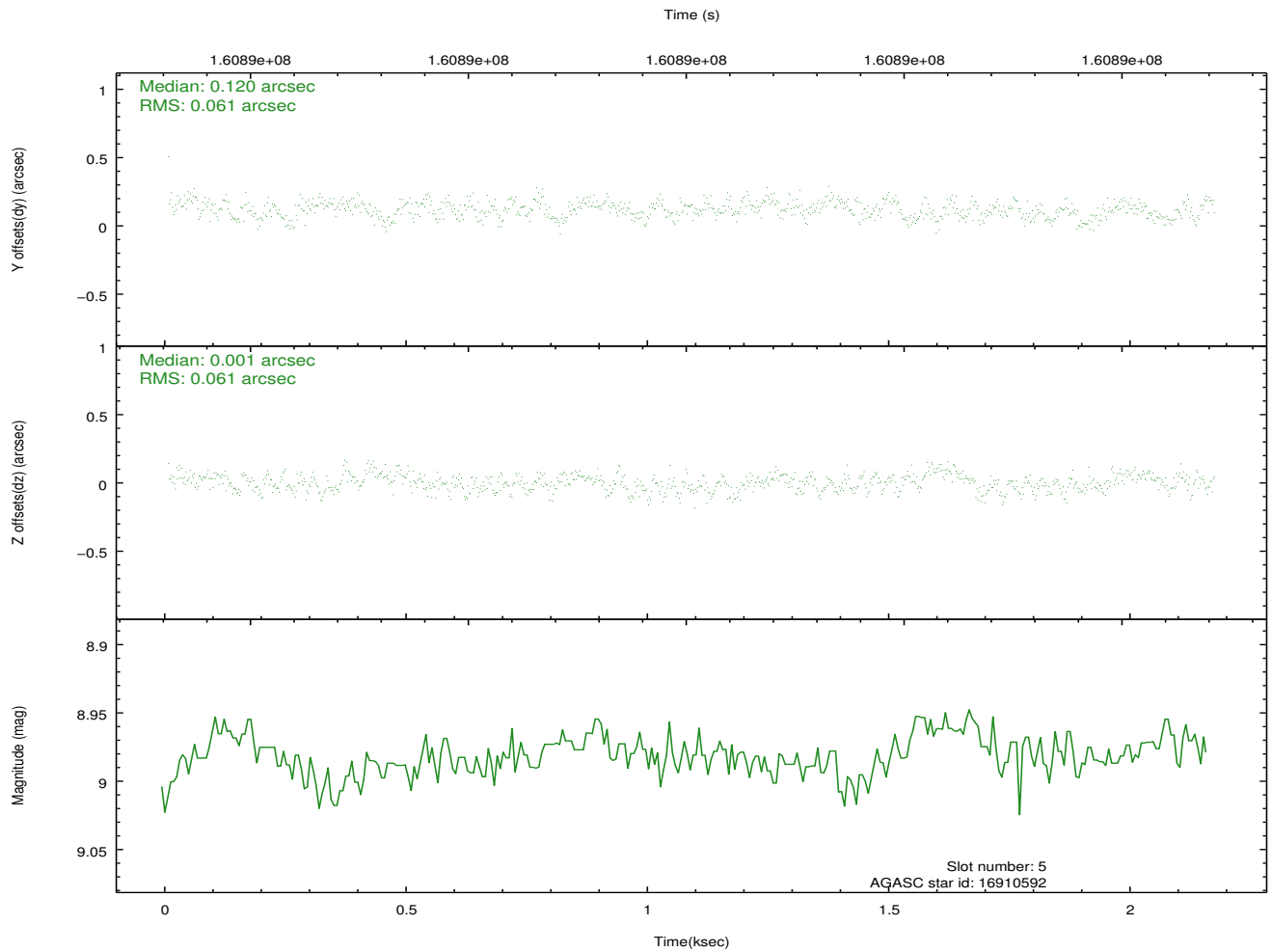
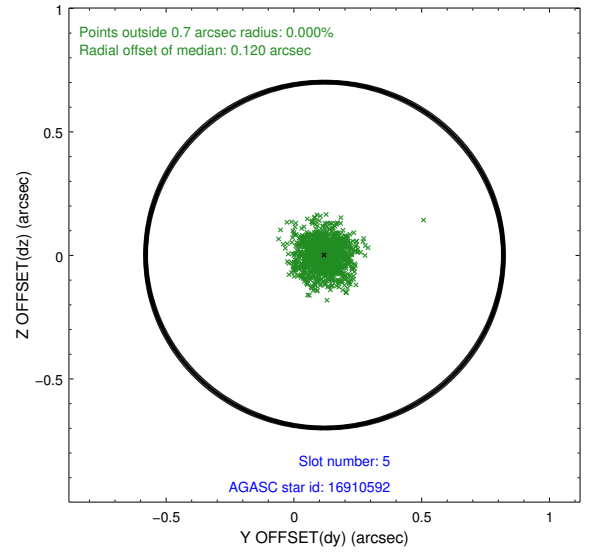
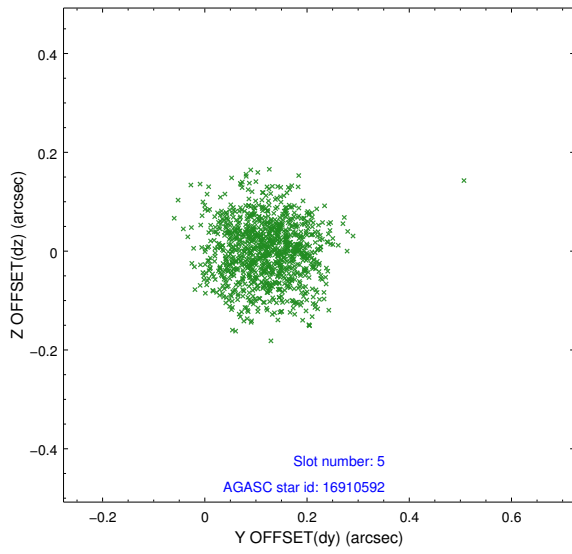
2.4.1 Slot 3



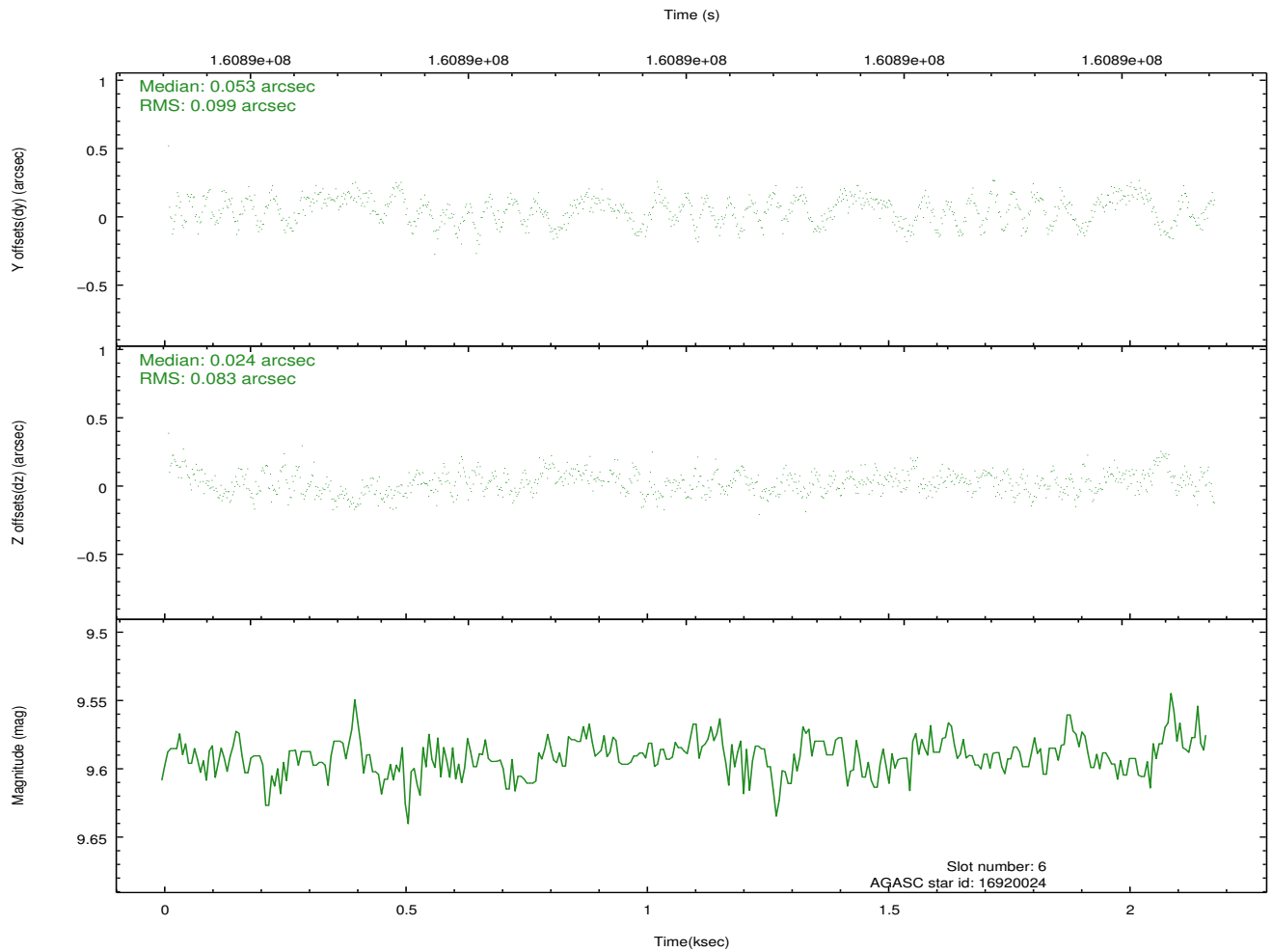
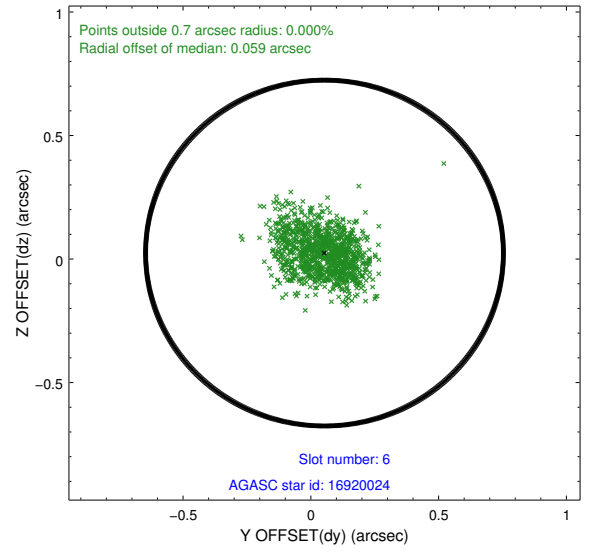
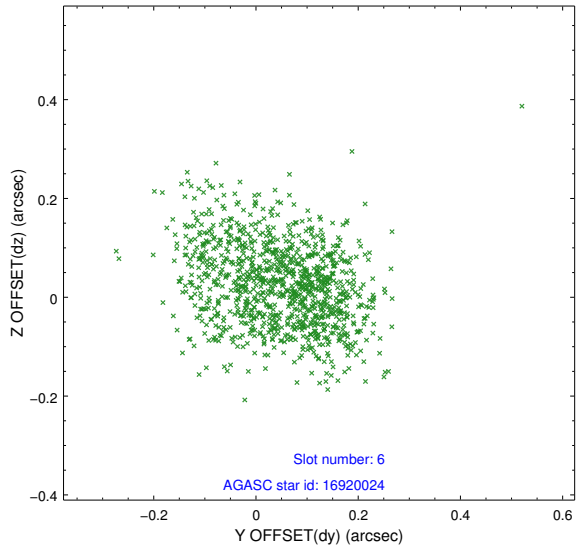
2.4.2 Slot 4



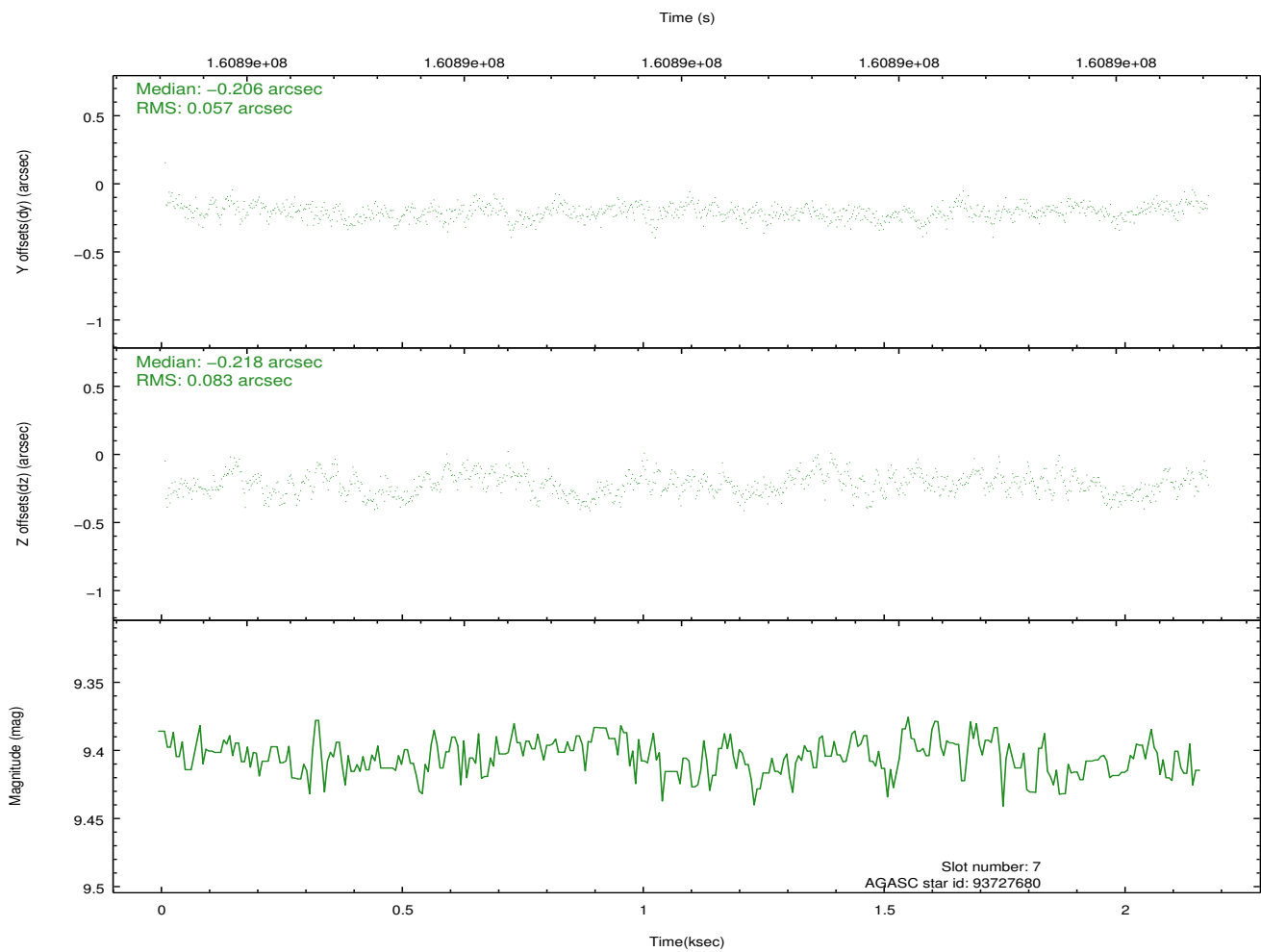
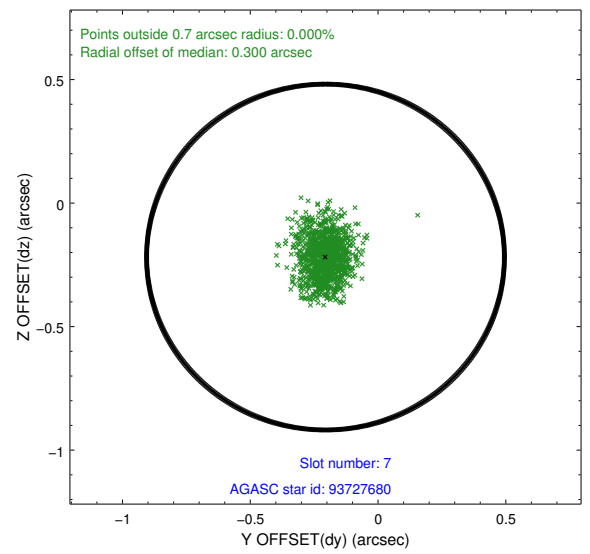
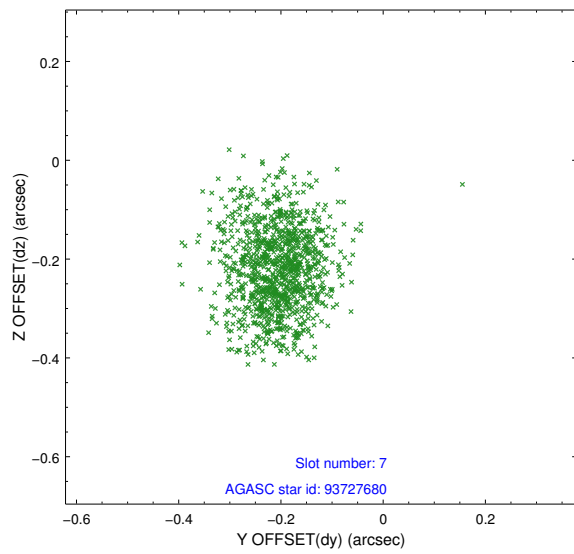
2.4.3 Slot 5



2.4.4 Slot 6

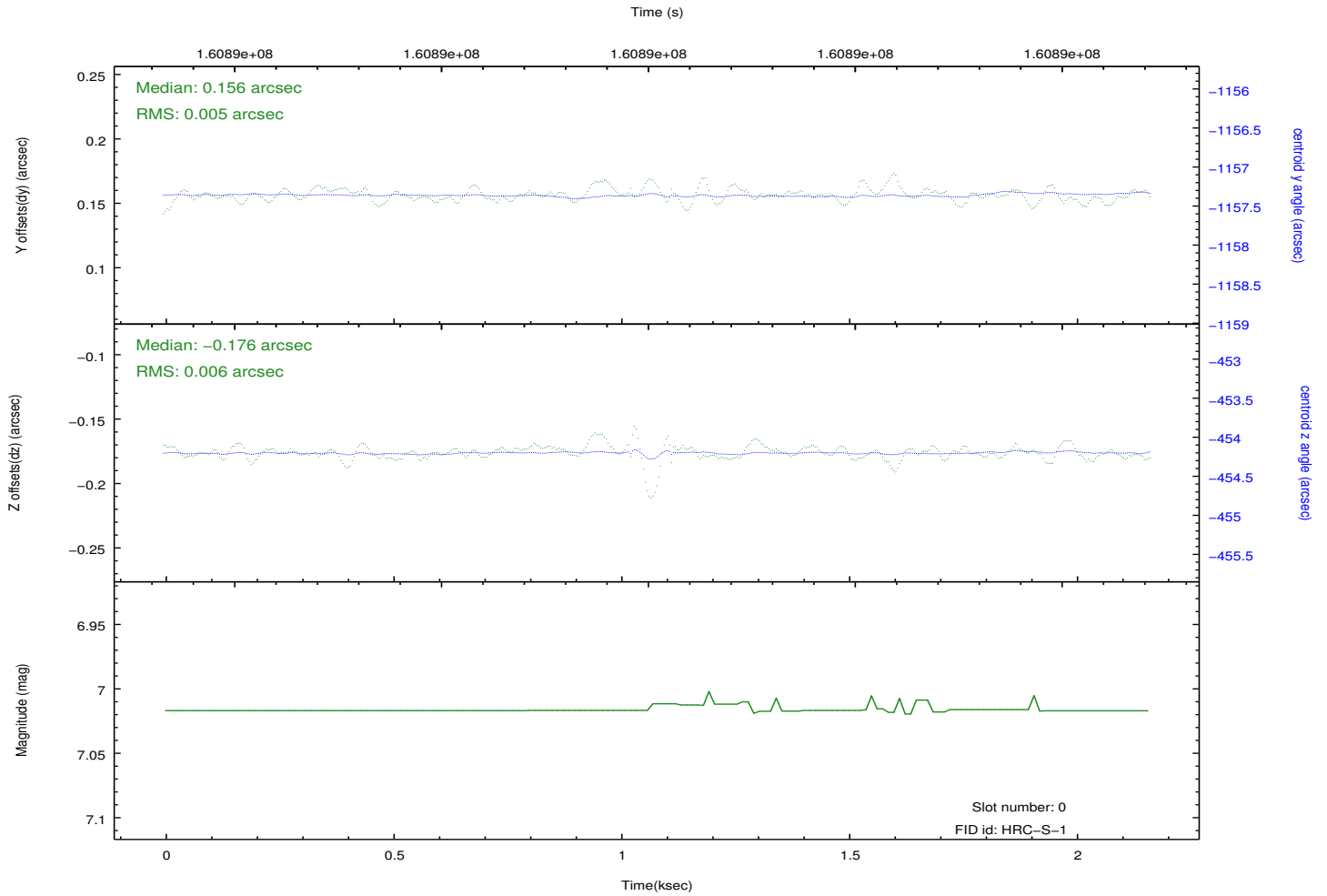
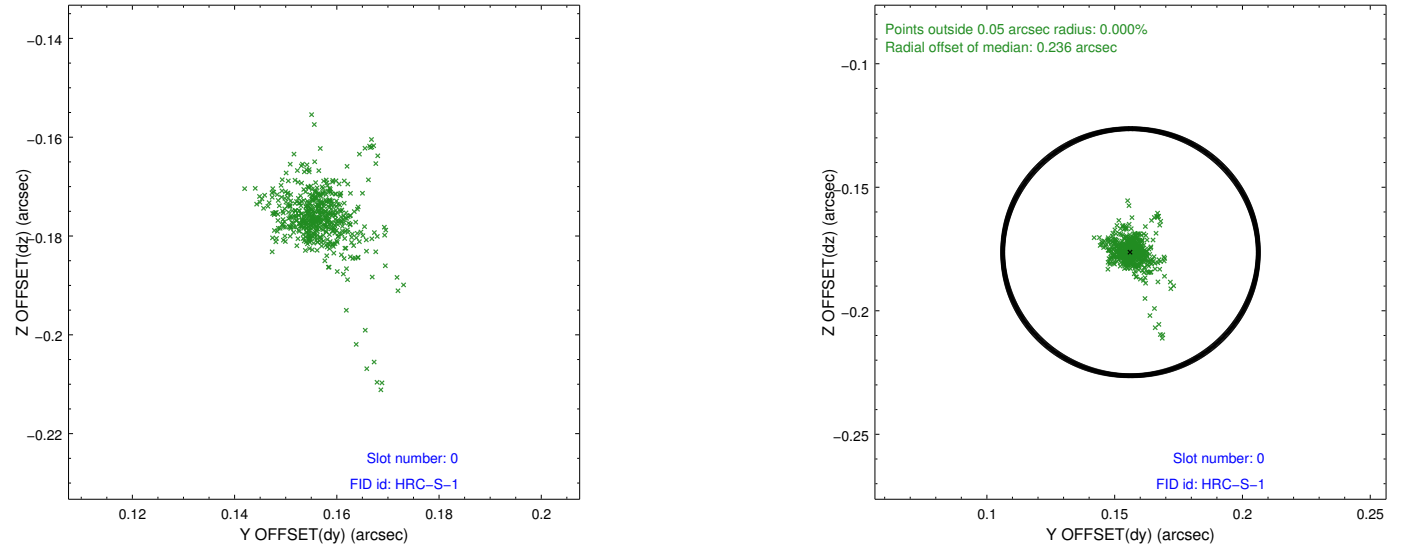


2.4.5 Slot 7

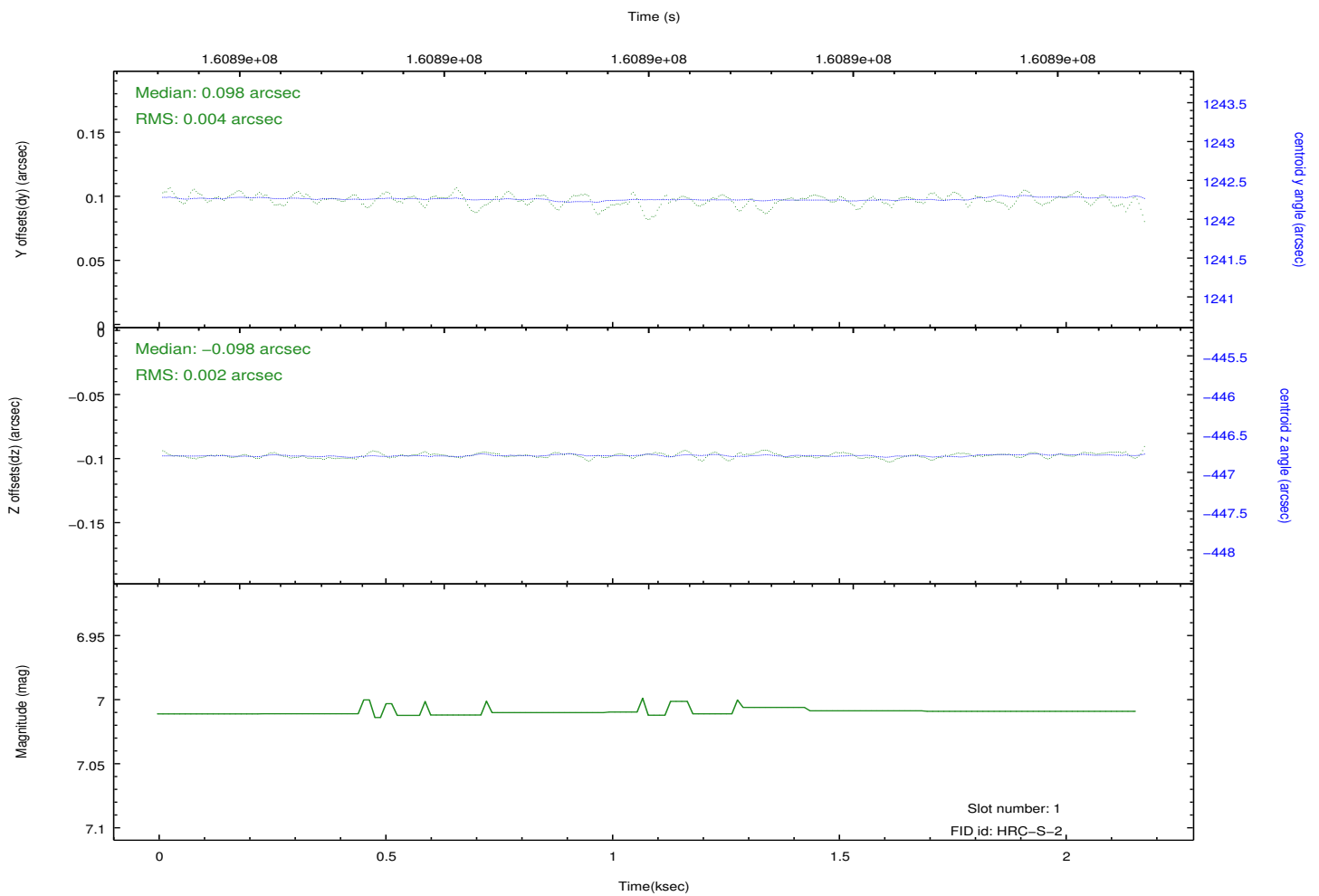
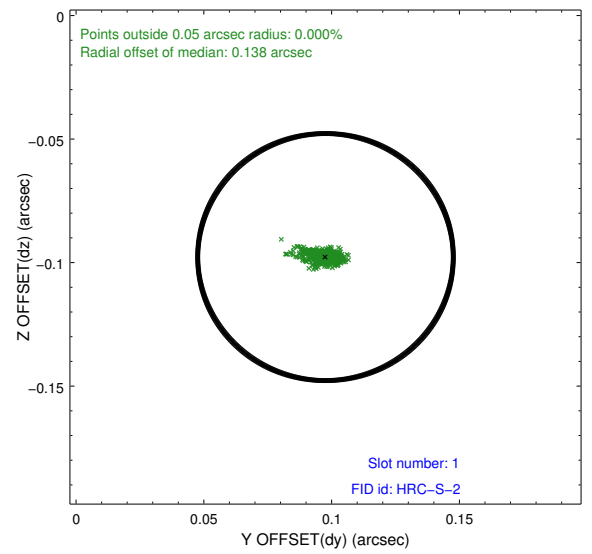
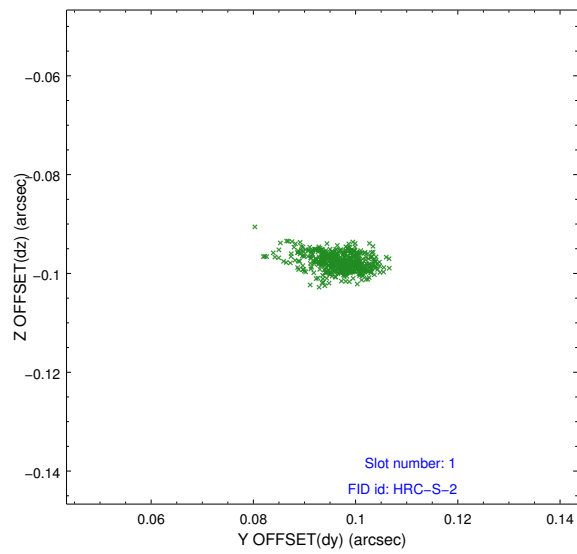


2.5 FID Slots

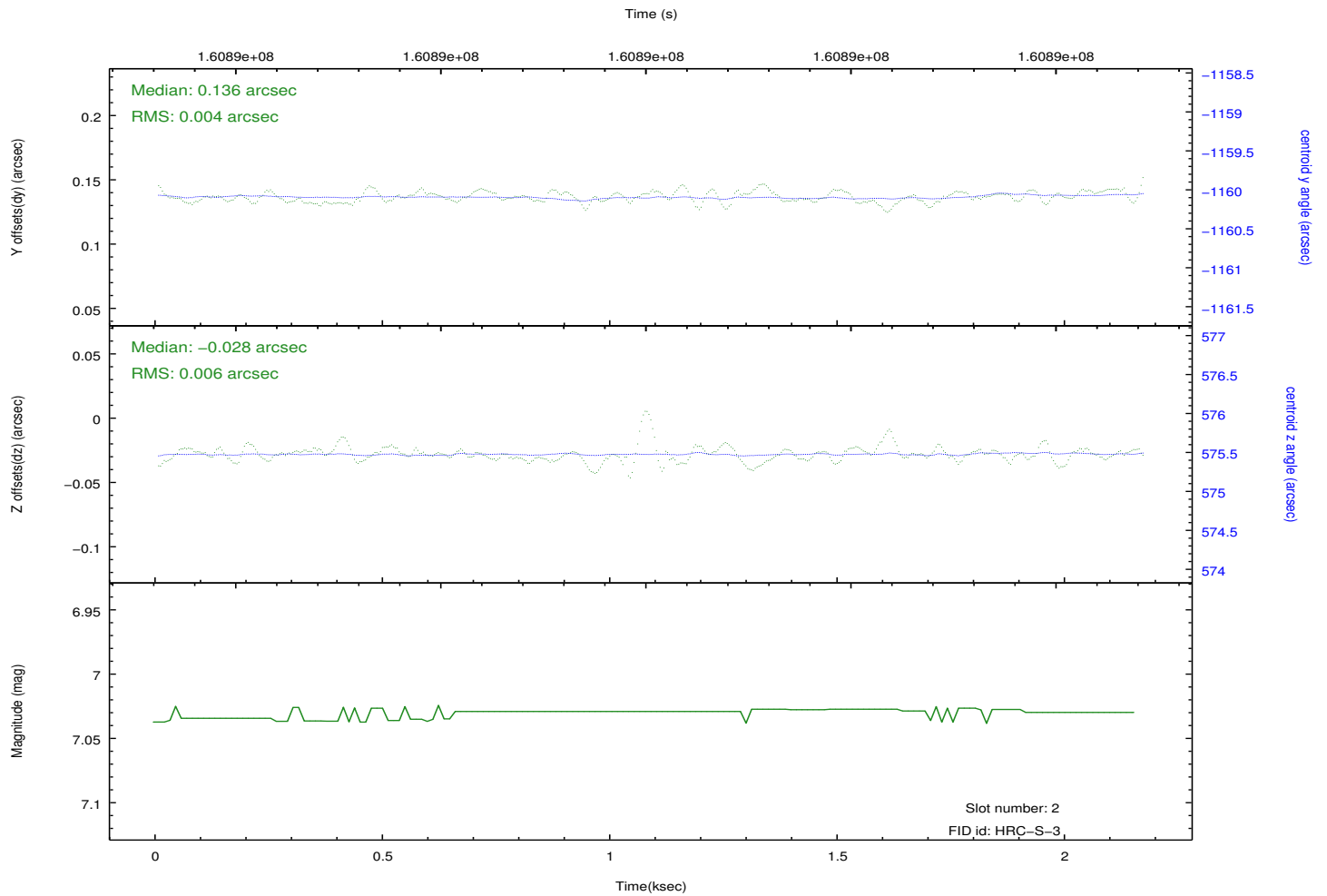
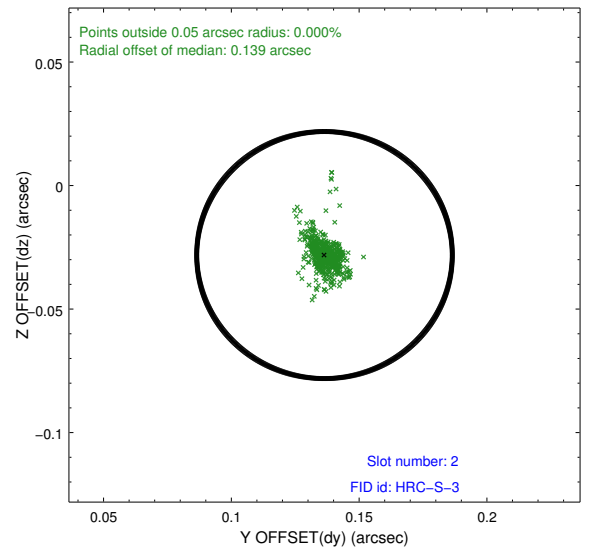
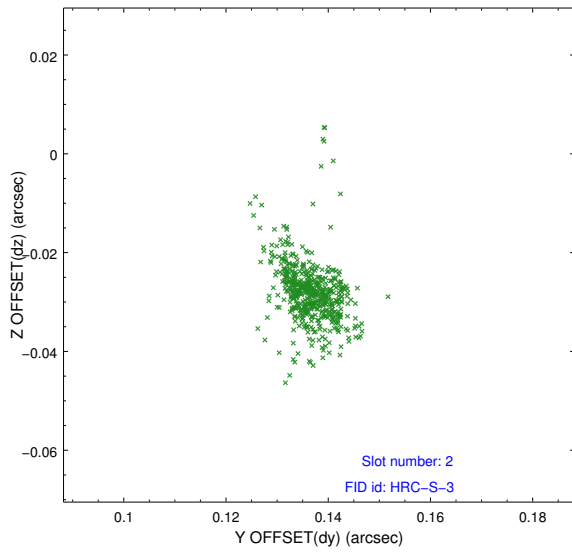
2.5.1 Slot 0



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	1.819

A.2 Comments

Window constraint satisfied.