

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8321 - L2 Version 3
Chandra X-Ray Center

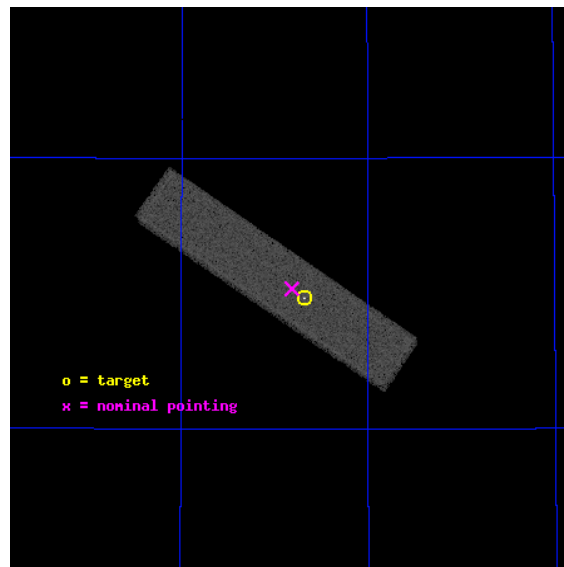
L2 Processing Date : Aug 11 2012

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1 Front

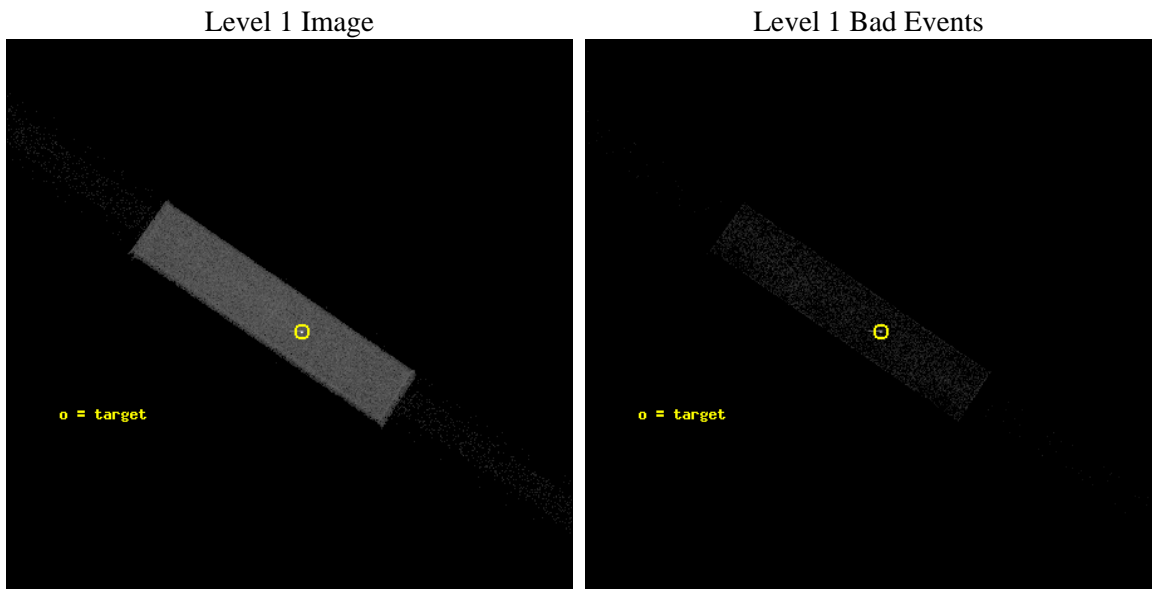
seq_num	290700	Sequence number
obs_id	8321	Observation id
title	AO8 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20351684437	Nominal RA [deg]
dec_nom	45.759508450929	Nominal Dec [deg]
roll_nom	214.19606056809	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1153.3813055754	[s]
livetime	1143.4759309268	Ontime multiplied by DTCOR
l2events	70839	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	1153.3813055754	[s]
caldbver	4.5.1.1	 	l1events	119757	Number of level 1 events
date	2012-08-12T02:45:08	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

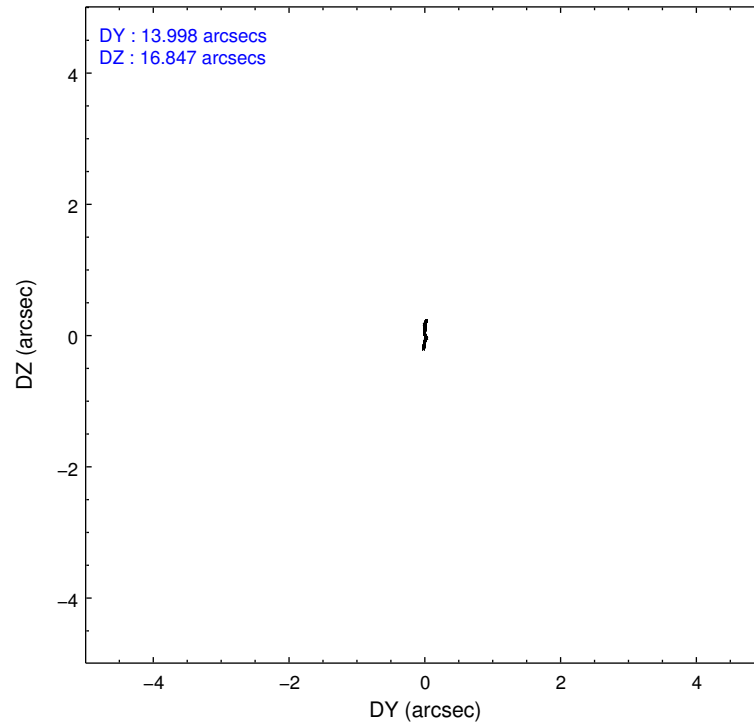
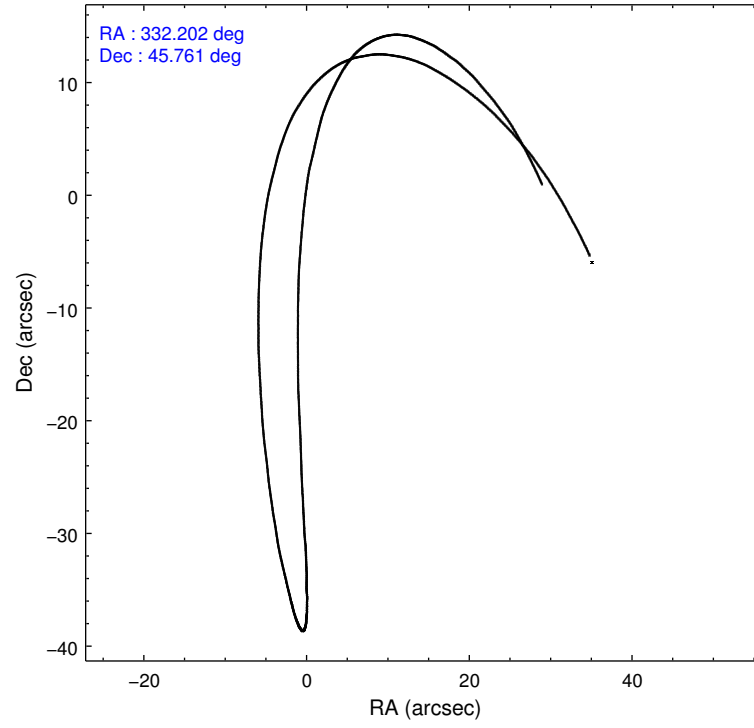
Level 1 Events

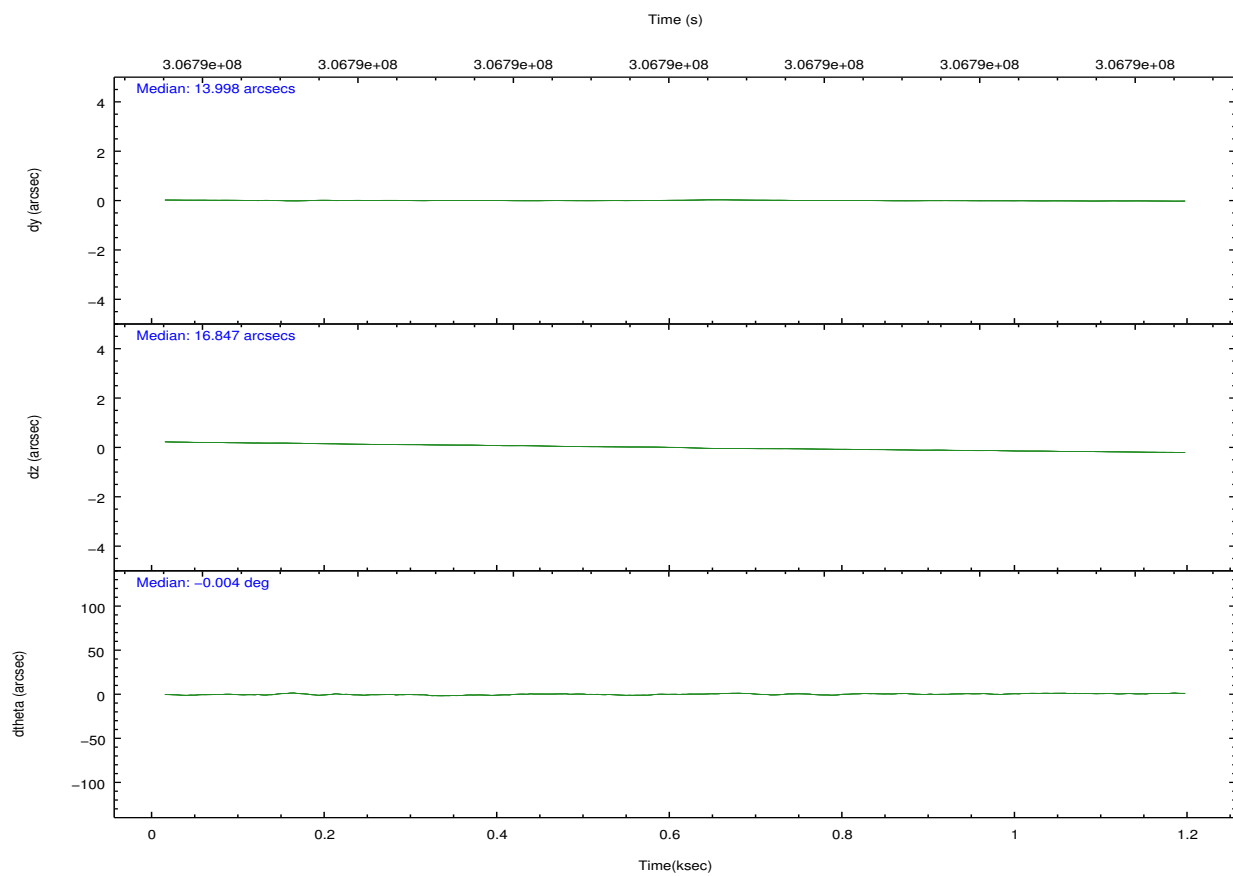
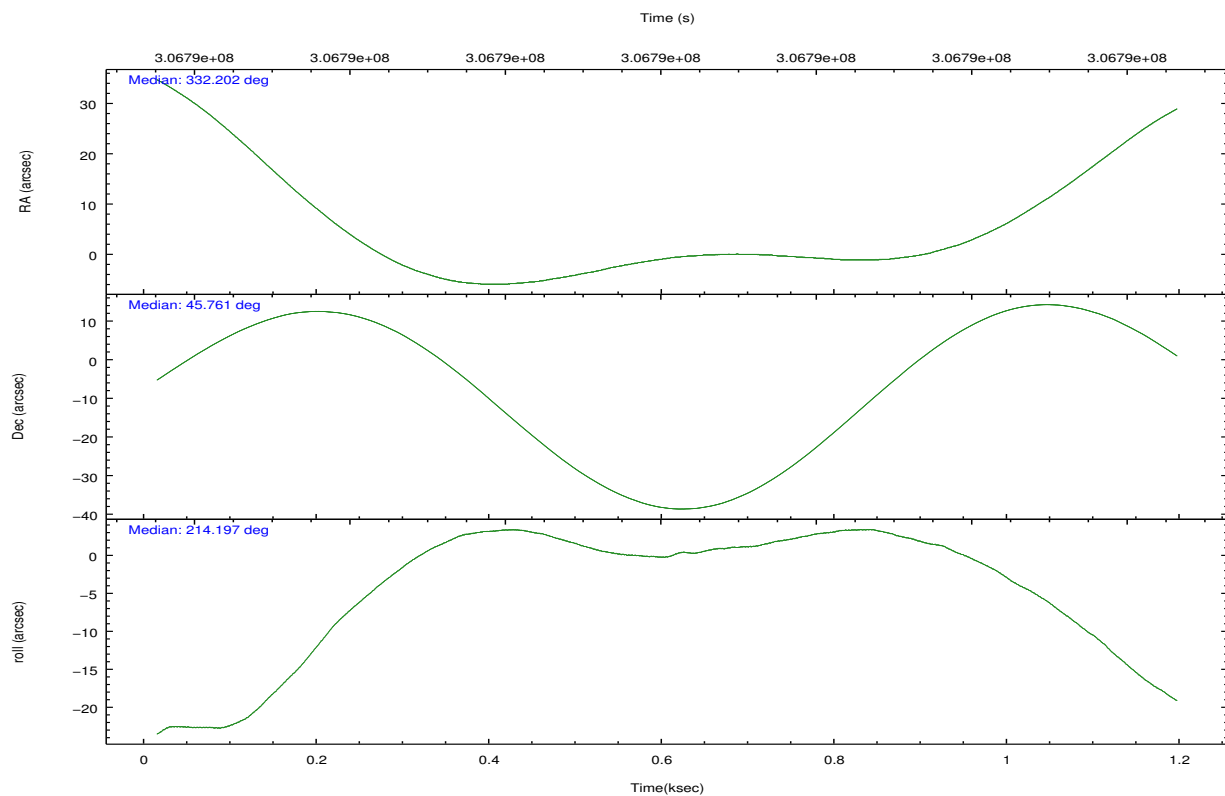
	segment 1	segment 2	segment 3
level 1 events	900	117973	884
rejected events	900	32789	884
rejected %	100%	27%	100%

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	332.219890	332.2035168443734			
[deg] Pointing Dec	45.784824	45.75950845092882			
[deg] Pointing Roll	214.116989	214.1960605680931			
[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)	306786213.184000	306785837.6556			
Observation start date	2007-09-21T18:22:28	2007-09-21T18:17:17			
[s] Observation end time (MET)	306787213.184000	306787347.48067			
Observation end date	2007-09-21T18:39:08	2007-09-21T18:42:27			

2.3 Aspect



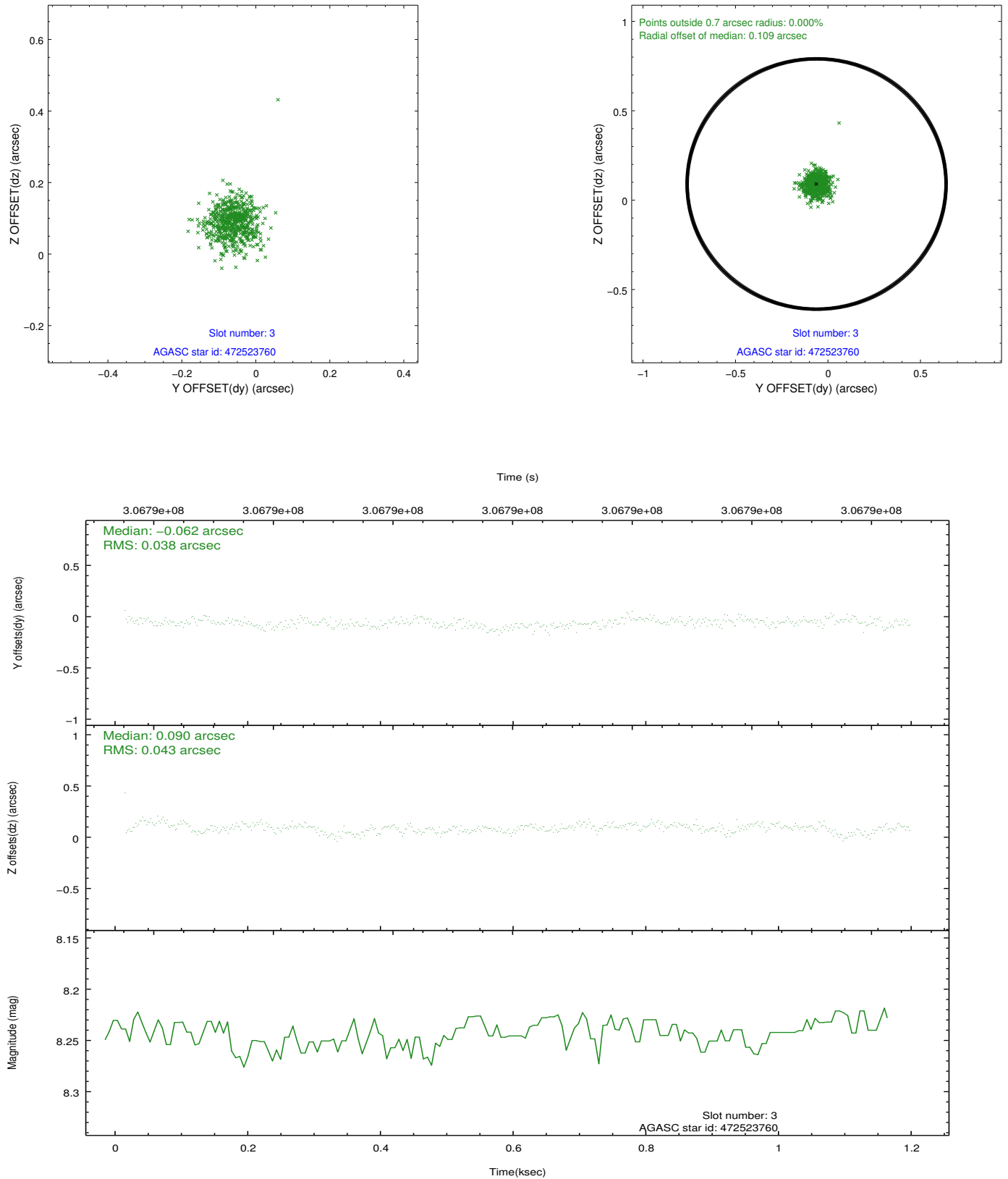


Slot Statistics

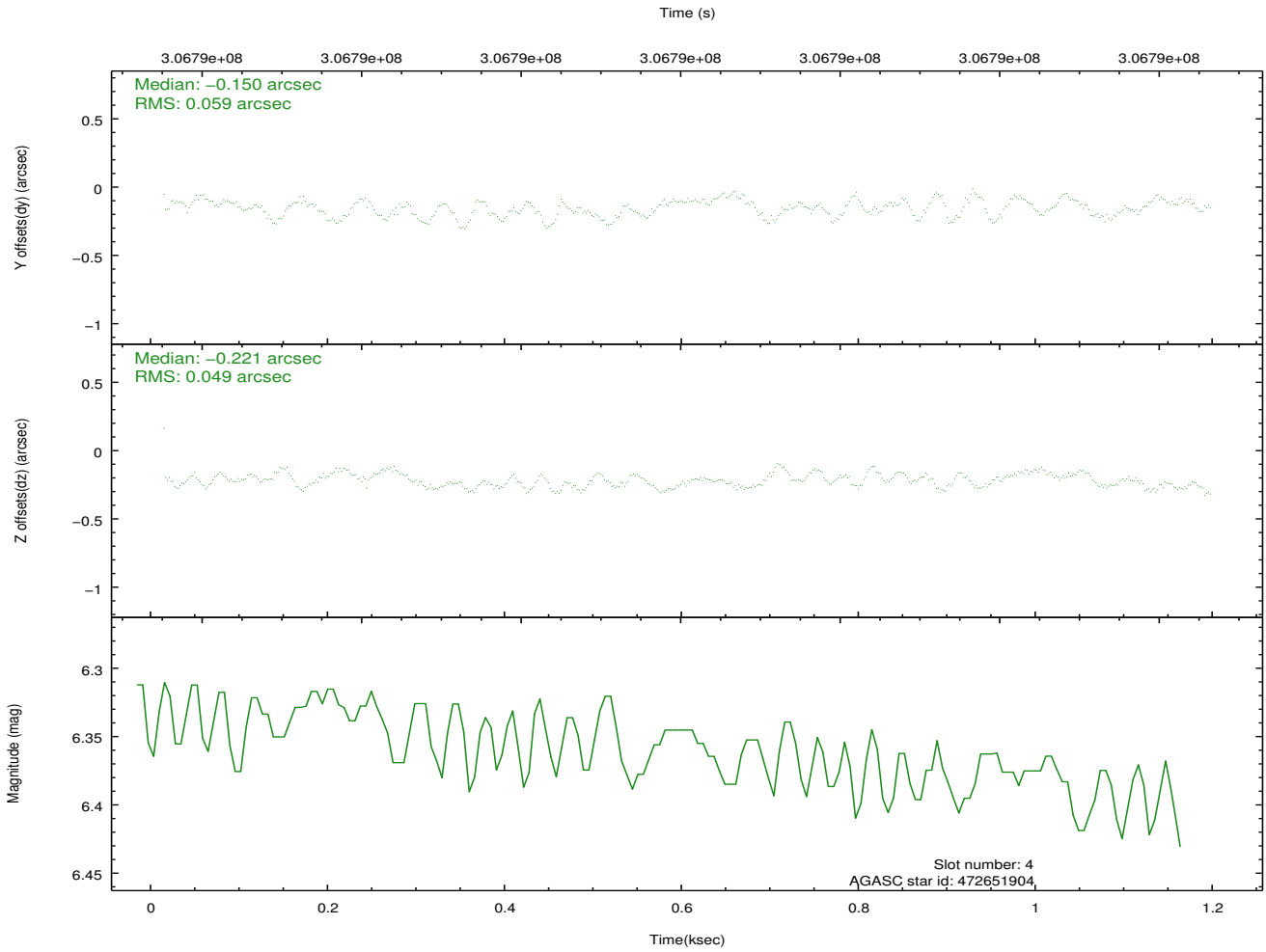
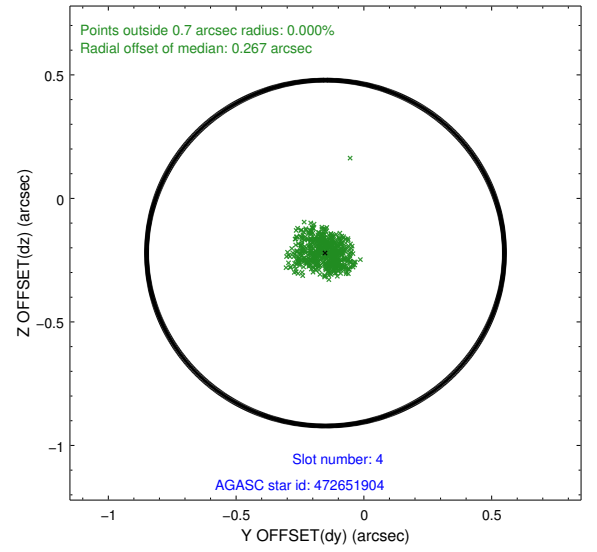
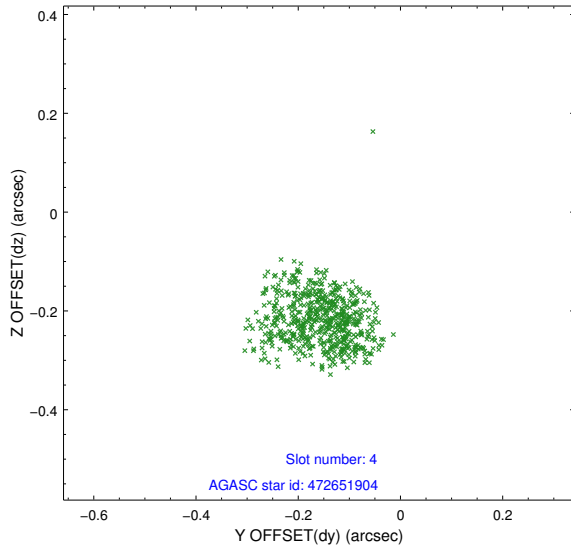
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	289	0.100	-0.164	0.007	0.012	0.000000	0.000000	-1168.33	-465.75
1	FID	HRC-S-2	7.06	289	0.163	-0.102	0.005	0.009	0.000000	0.000000	1227.34	-459.93
2	FID	HRC-S-3	7.07	289	0.127	-0.036	0.008	0.015	0.000000	0.000000	-1166.78	562.30
3	GUIDE	472523760	8.24	578	-0.062	0.090	0.058	0.097	331.645363	45.403260	1971.69	322.59
4	GUIDE	472651904	6.36	578	-0.150	-0.221	0.082	0.127	332.170077	45.742257	194.80	60.51
5	GUIDE	472655152	9.42	578	-0.006	-0.087	0.112	0.179	332.504239	45.862991	-746.50	169.99
6	GUIDE	472665256	9.00	577	0.078	0.117	0.089	0.132	332.808125	46.195041	-2044.21	-400.47
7	GUIDE	472663080	9.42	577	0.150	0.102	0.099	0.160	332.652741	46.473840	-2282.92	-1450.64

2.4 Star Slots

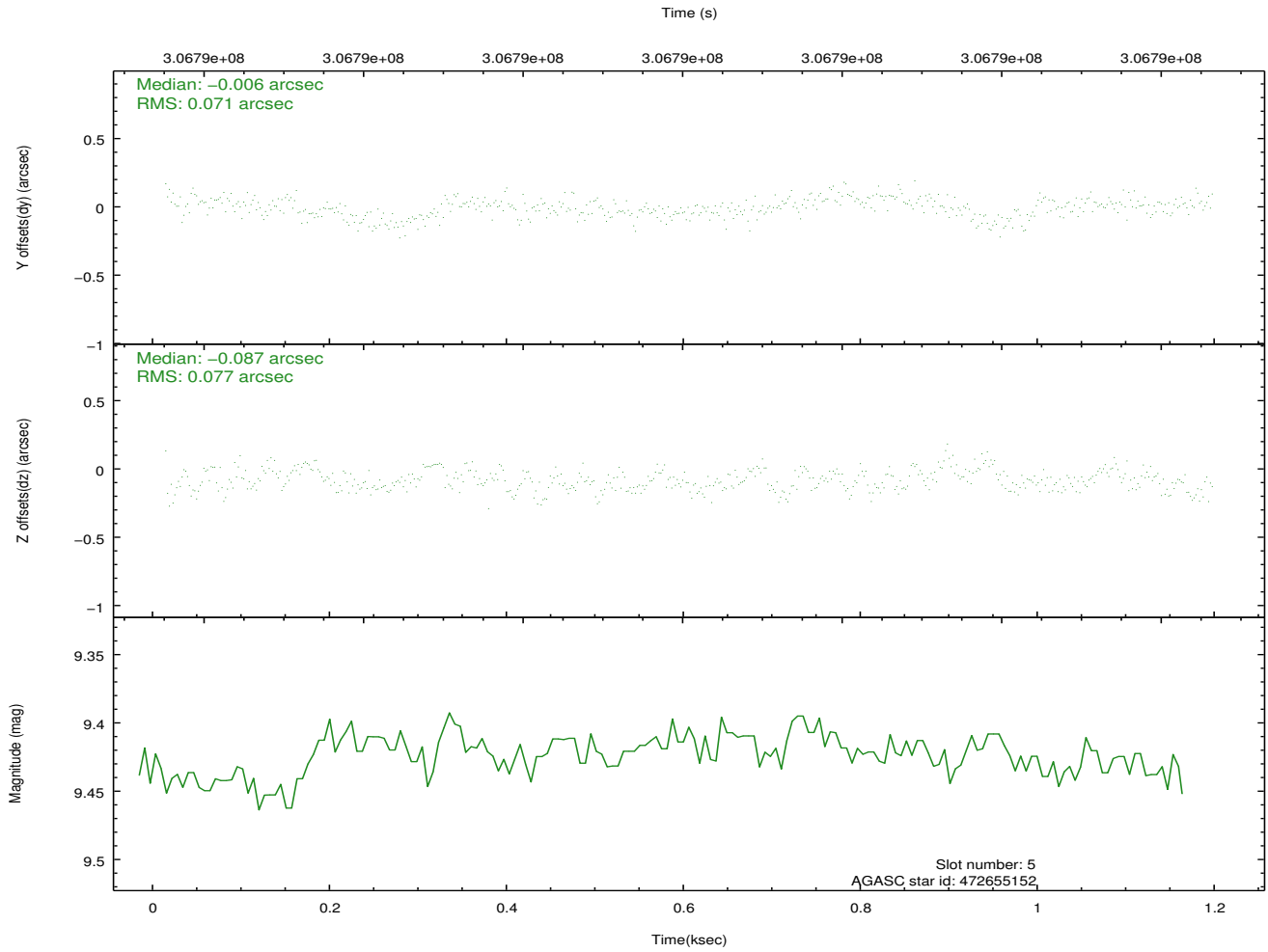
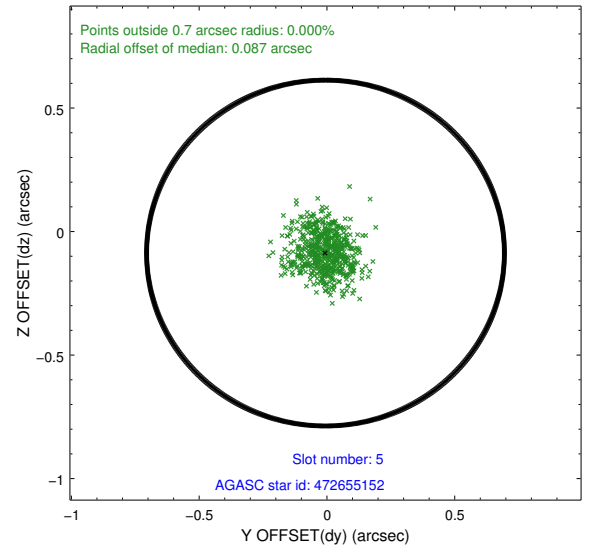
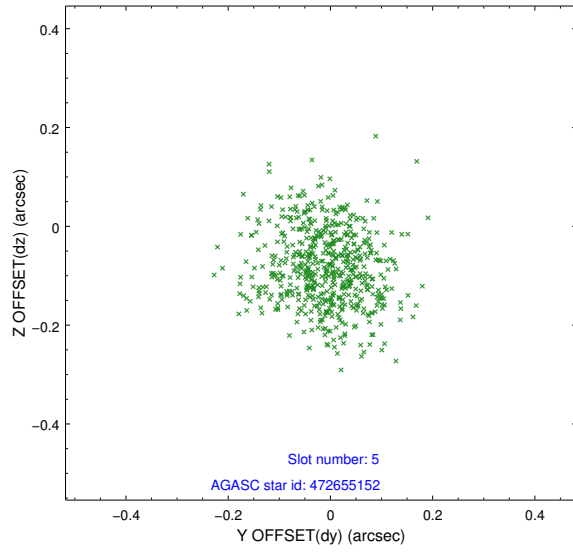
2.4.1 Slot 3



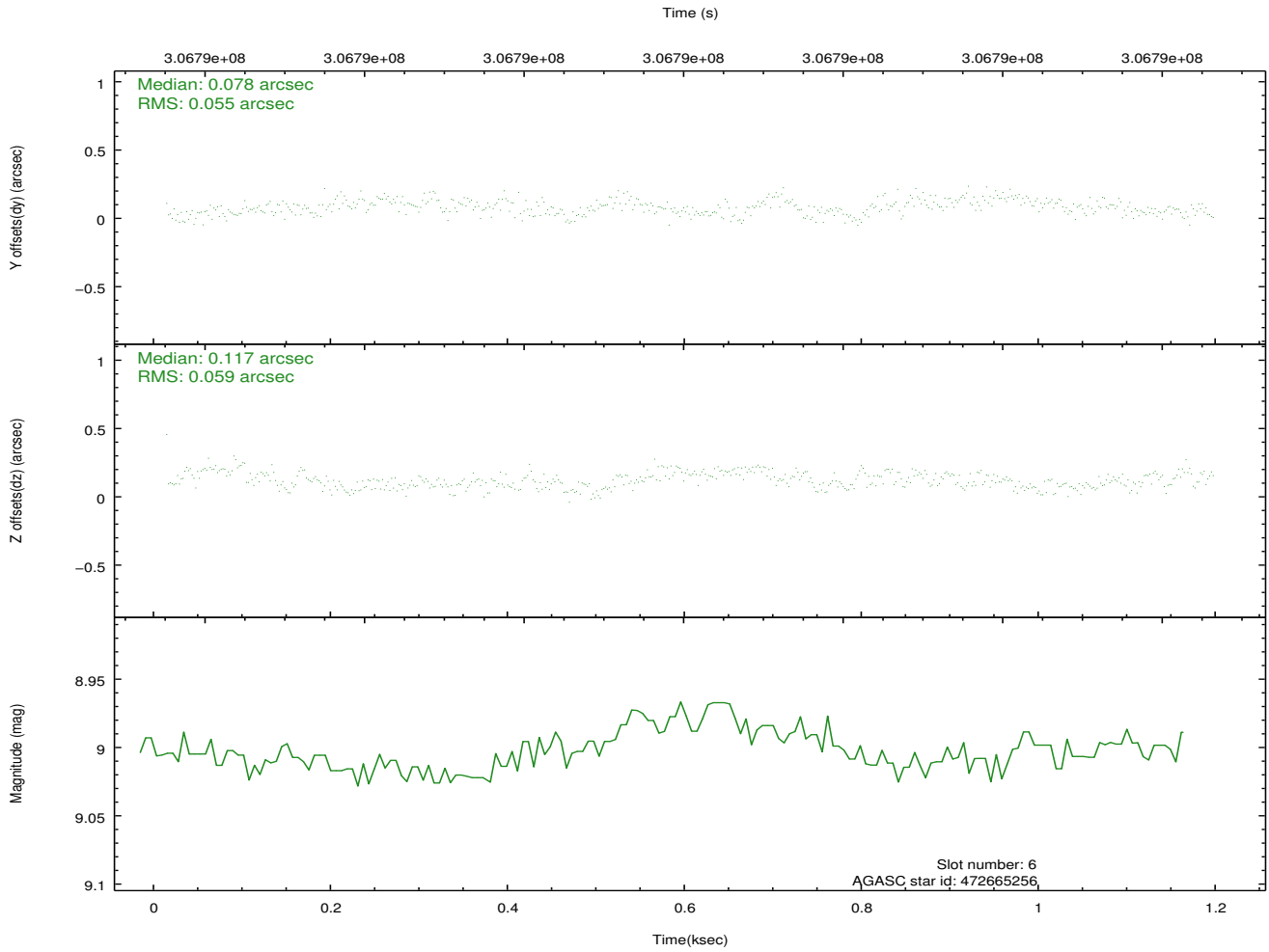
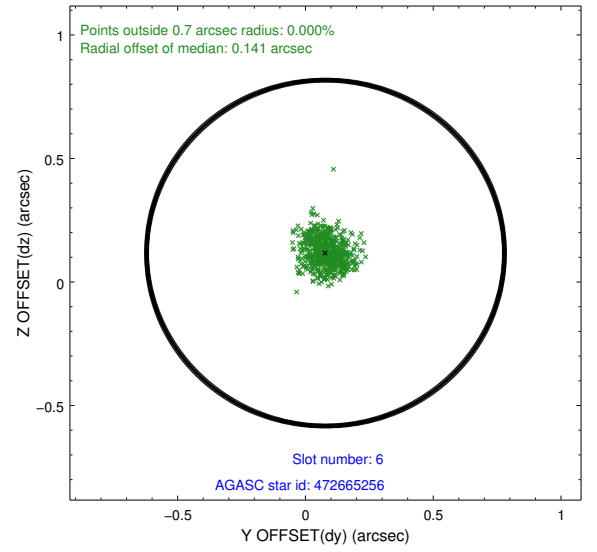
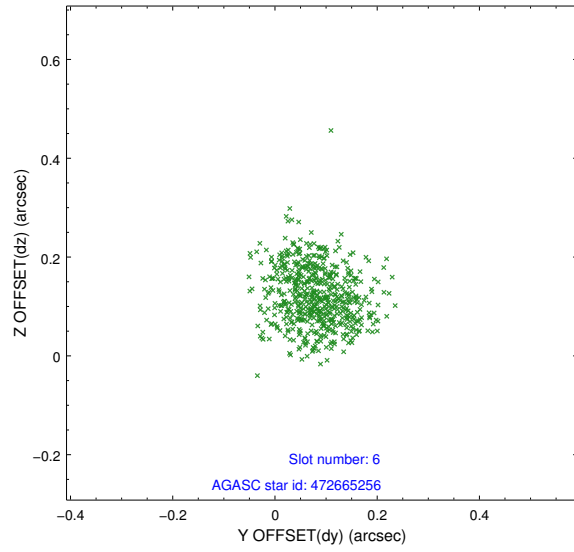
2.4.2 Slot 4



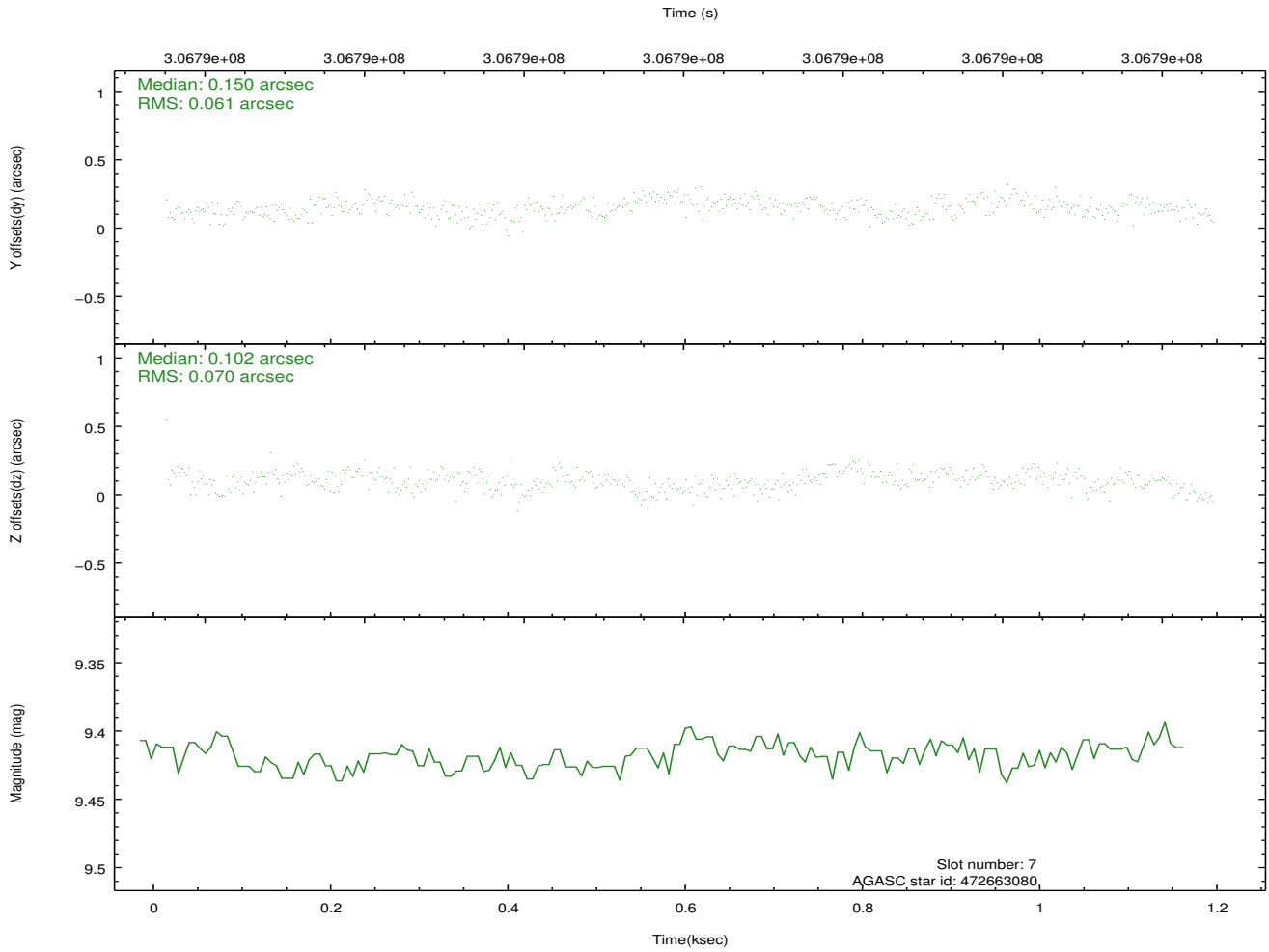
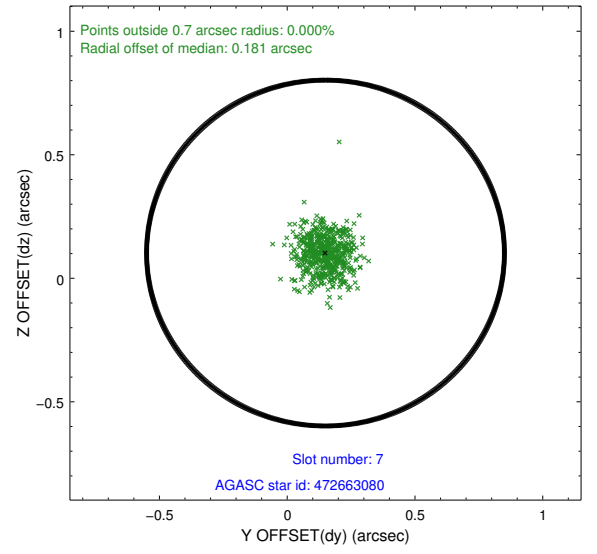
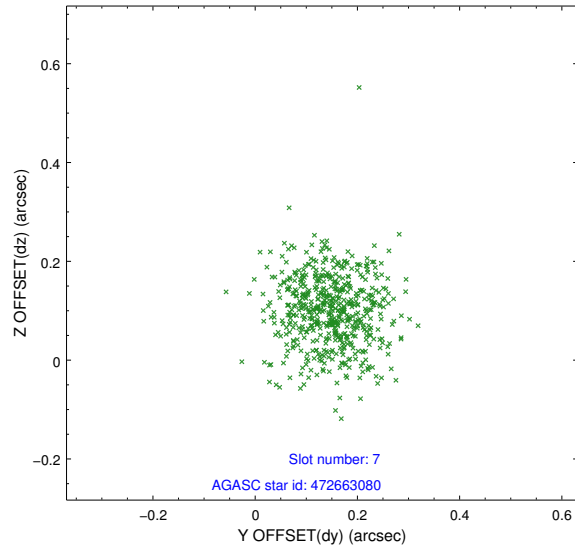
2.4.3 Slot 5



2.4.4 Slot 6

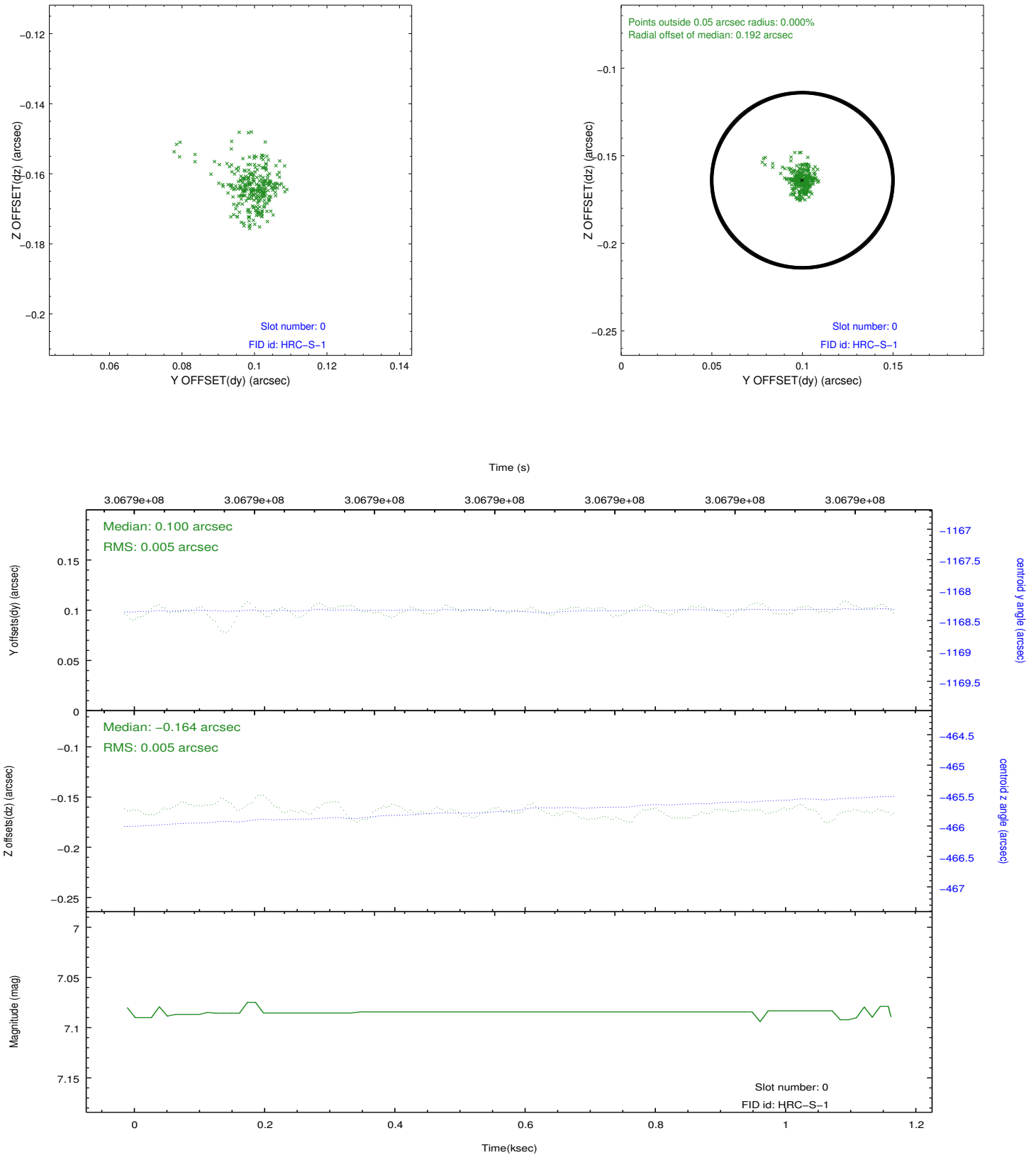


2.4.5 Slot 7

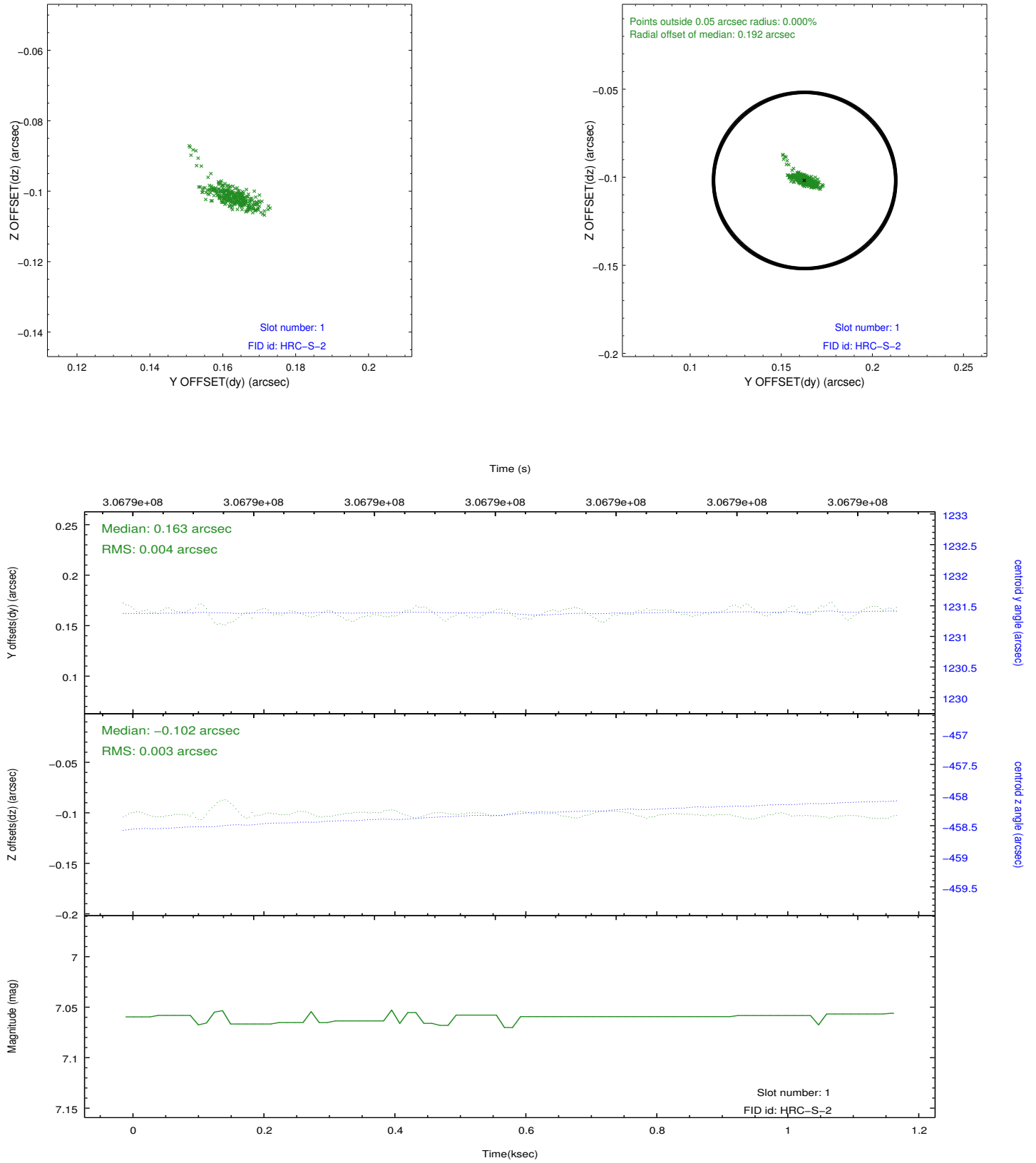


2.5 FID Slots

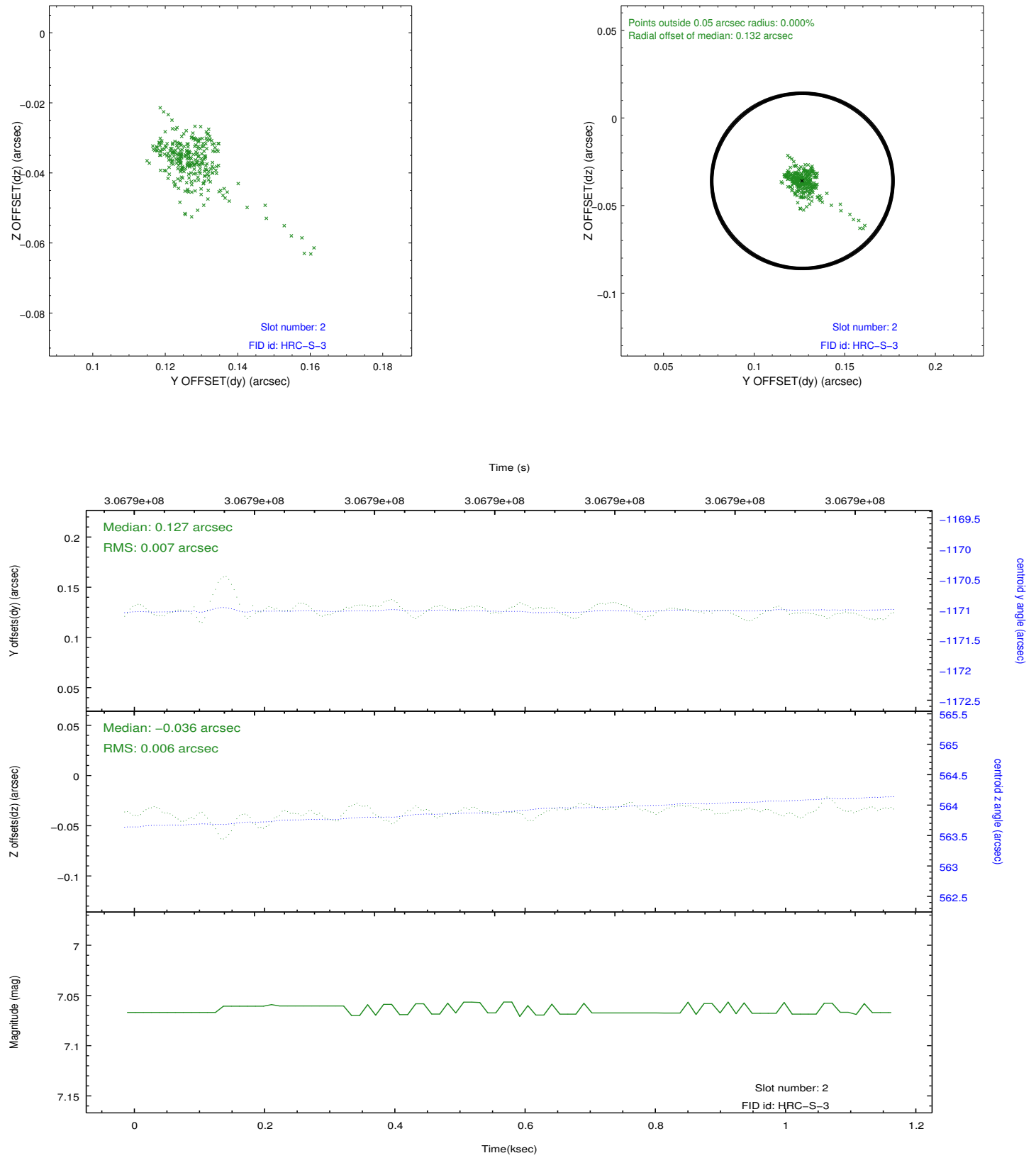
2.5.1 Slot 0



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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.15312505

A.2 Comments