

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2598 - L2 Version 3
Chandra X-Ray Center

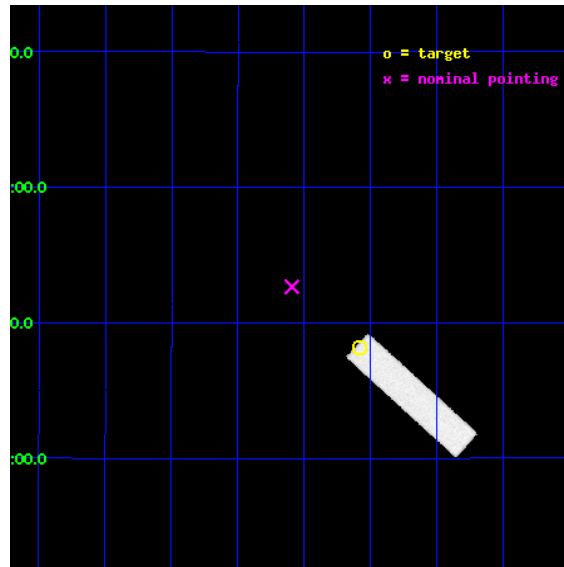
L2 Processing Date : Sep 28 2012

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1 Front

seq_num	290154	Sequence number
obs_id	2598	Observation id
title	AO3 CALIBRATION OBSERVATIONS OF BETELGEUSE	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	89.046321507922	Nominal RA [deg]
dec_nom	7.6332199802903	Nominal Dec [deg]
roll_nom	42.061042586615	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2142.5063357651	[s]
livedtime	2132.8642048559	Ontime multiplied by DTCOR
l2events	67242	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2142.5063357651	[s]
caldsver	4.5.2	 	l1events	107852	Number of level 1 events
date	2012-09-28T22:05:37	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

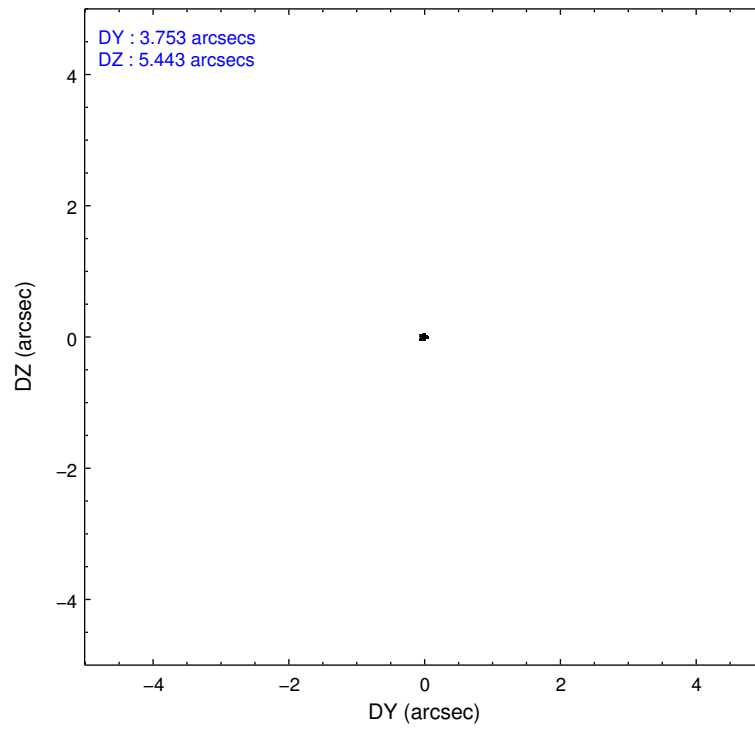
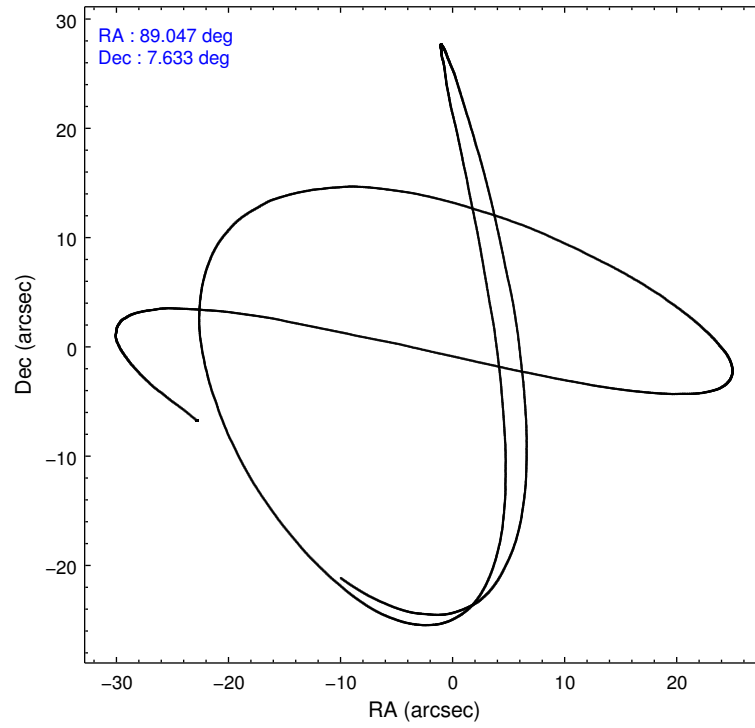
Level 1 Events

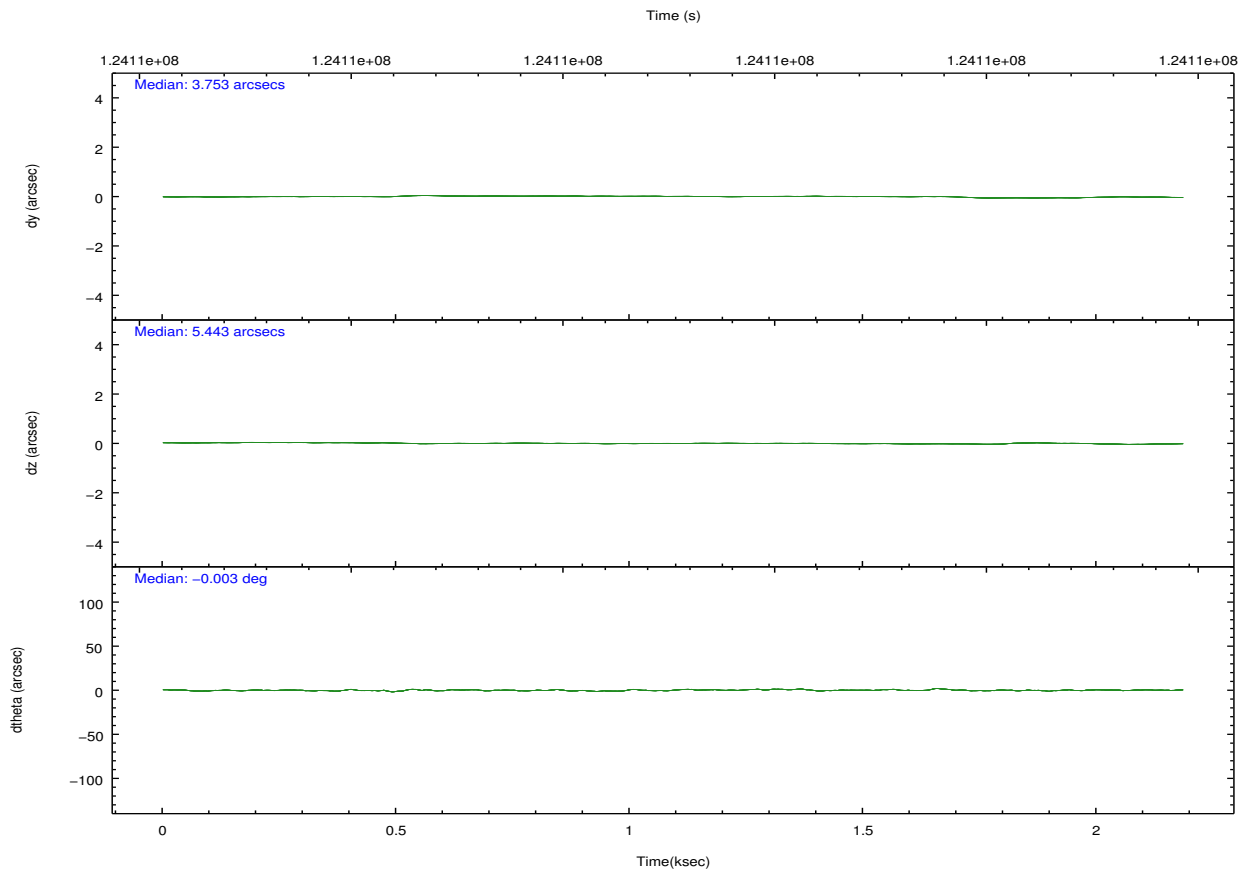
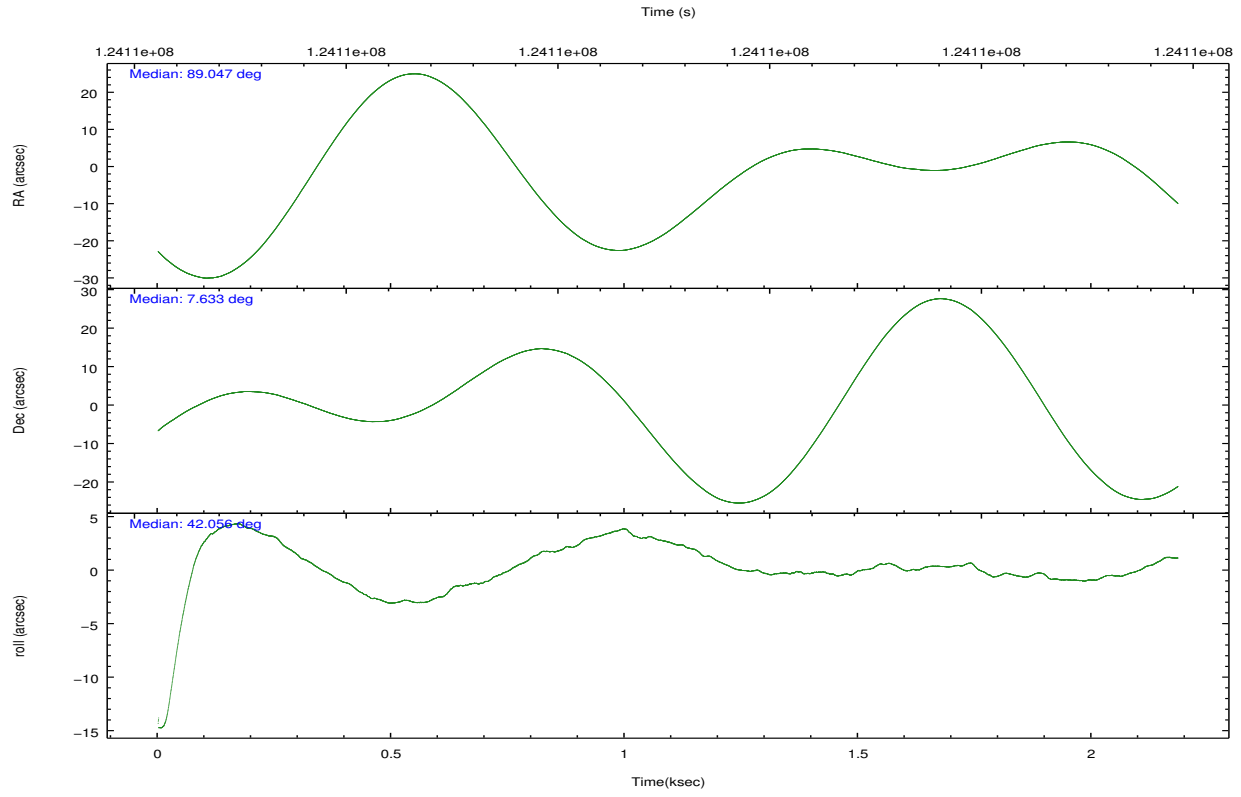
	segment 1	segment 2	segment 3
level 1 events	95484	10716	1652
rejected events	7730	10686	1652
rejected %	8%	99%	100%

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	89.038822	89.04632150792207			
[deg] Pointing Dec	7.605564	7.633219980290297			
[deg] Pointing Roll	41.994704	42.06104258661536			
[s] Window start time (MET)	123552064.184000	123552064.184000			
[s] Window stop time (MET)	126144064.184000	126144064.184000			
[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)	124108355.184000	124107980.22678			
Observation start date	2001-12-07T10:31:31	2001-12-07T10:26:20			
[s] Observation end time (MET)	124110355.184000	124110489.42688			
Observation end date	2001-12-07T11:04:51	2001-12-07T11:08:09			

2.3 Aspect



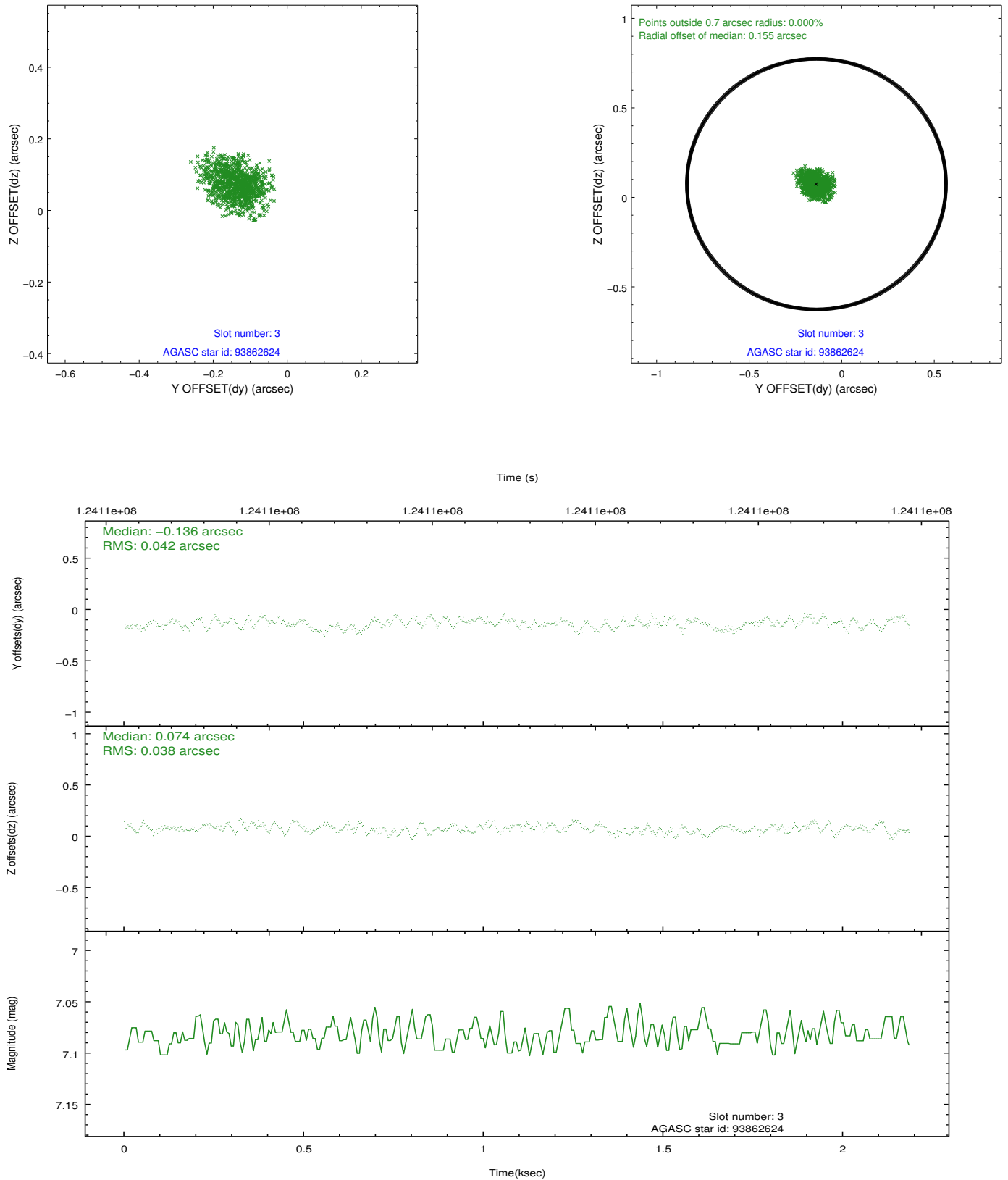


Slot Statistics

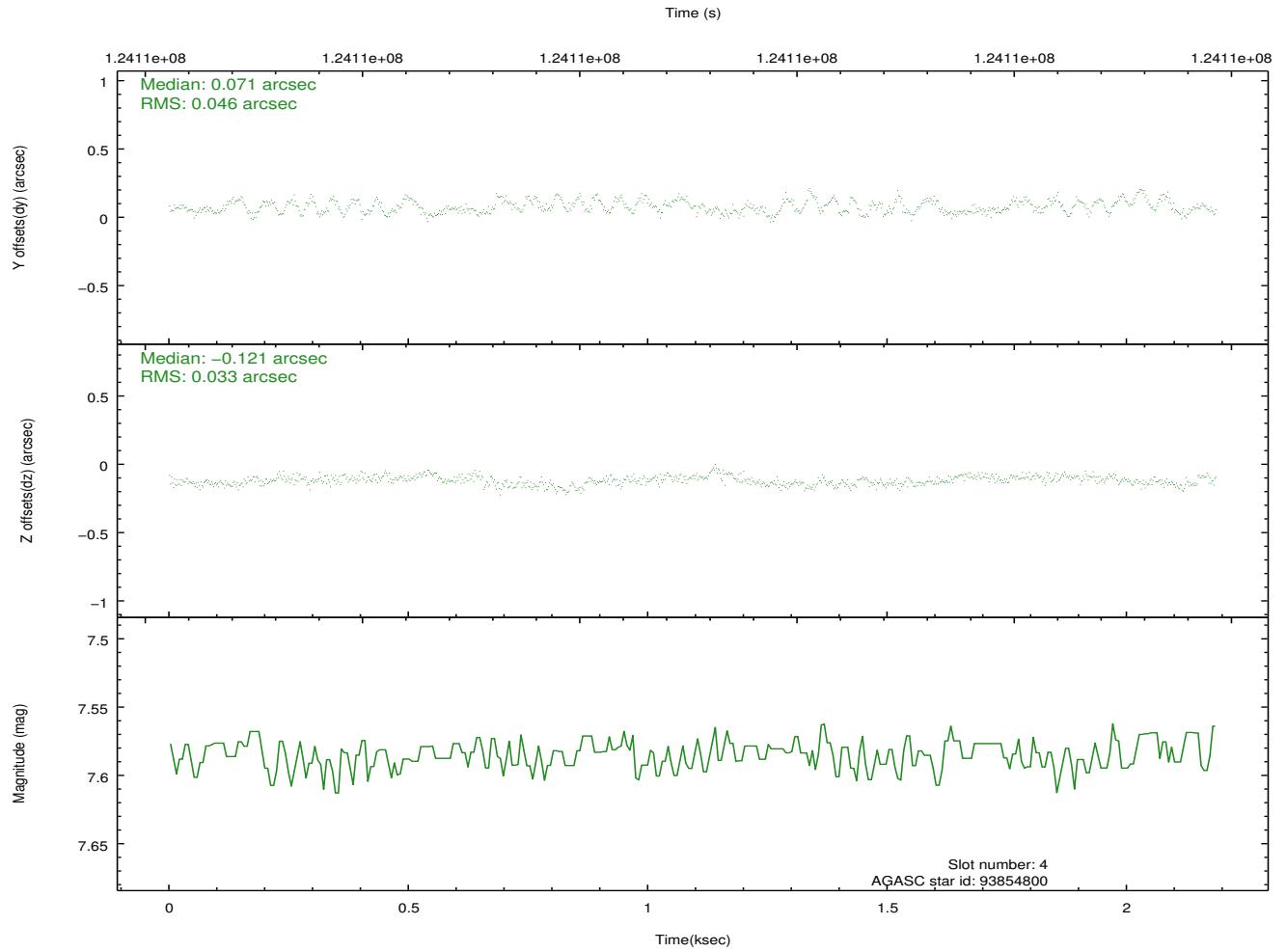
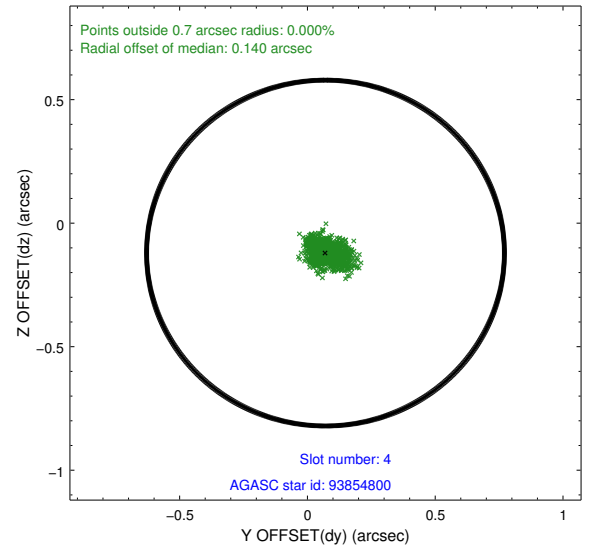
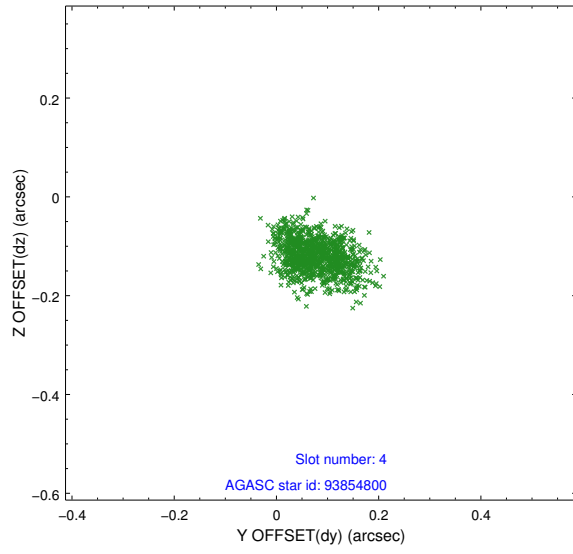
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	533	0.162	-0.165	0.007	0.012	0.000000	0.000000	-1157.79	-453.98
1	FID	HRC-S-2	6.98	533	0.081	-0.093	0.006	0.010	0.000000	0.000000	1239.63	-447.42
2	FID	HRC-S-3	7.01	533	0.147	-0.044	0.007	0.012	0.000000	0.000000	-1158.19	574.83
3	GUIDE	93862624	7.08	1067	-0.136	0.074	0.062	0.097	89.614911	7.860553	2142.78	-690.34
4	GUIDE	93854800	7.58	1067	0.071	-0.121	0.060	0.095	88.376308	7.655454	-1632.69	1716.08
5	GUIDE	93862944	8.13	1067	-0.089	0.073	0.068	0.112	89.630914	7.938807	2371.93	-517.24
6	GUIDE	93855160	8.49	1067	0.165	-0.101	0.069	0.114	88.514904	7.713359	-1125.59	1539.77
7	GUIDE	16918912	8.65	1066	-0.012	0.083	0.094	0.149	89.257075	6.922287	-1065.96	-2347.78

2.4 Star Slots

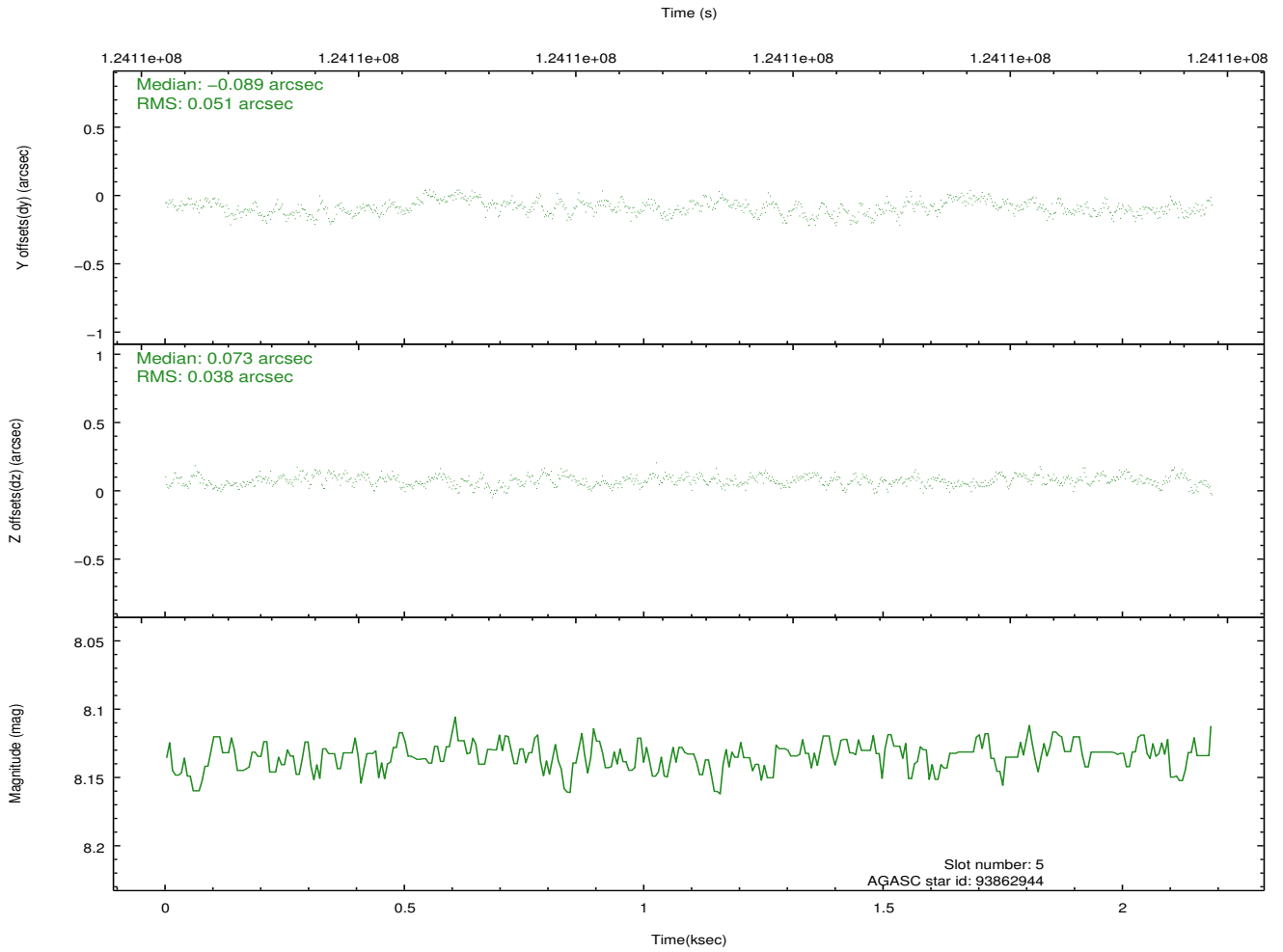
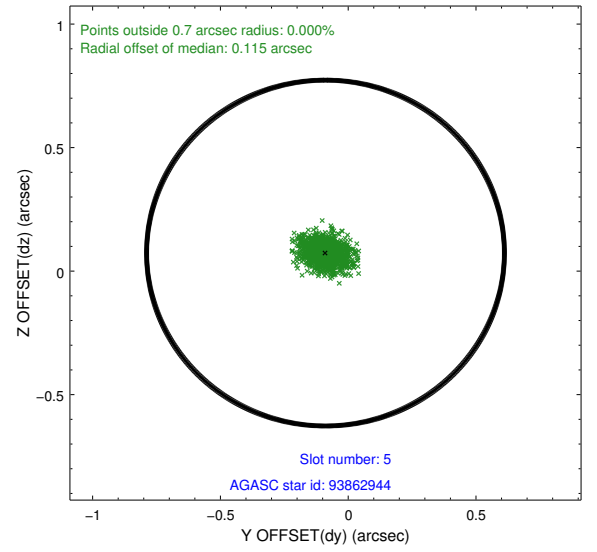
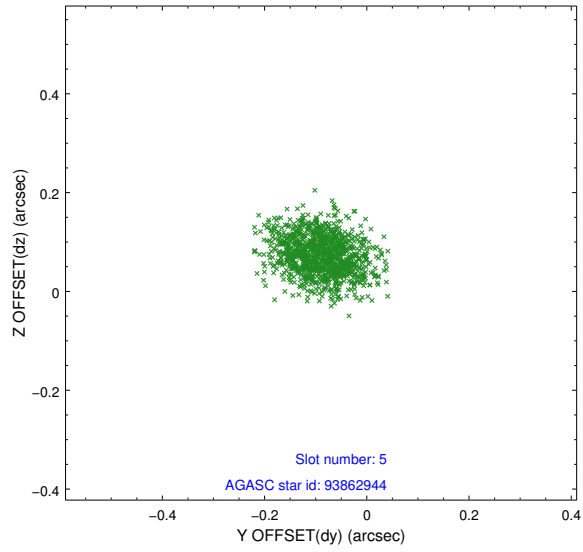
2.4.1 Slot 3



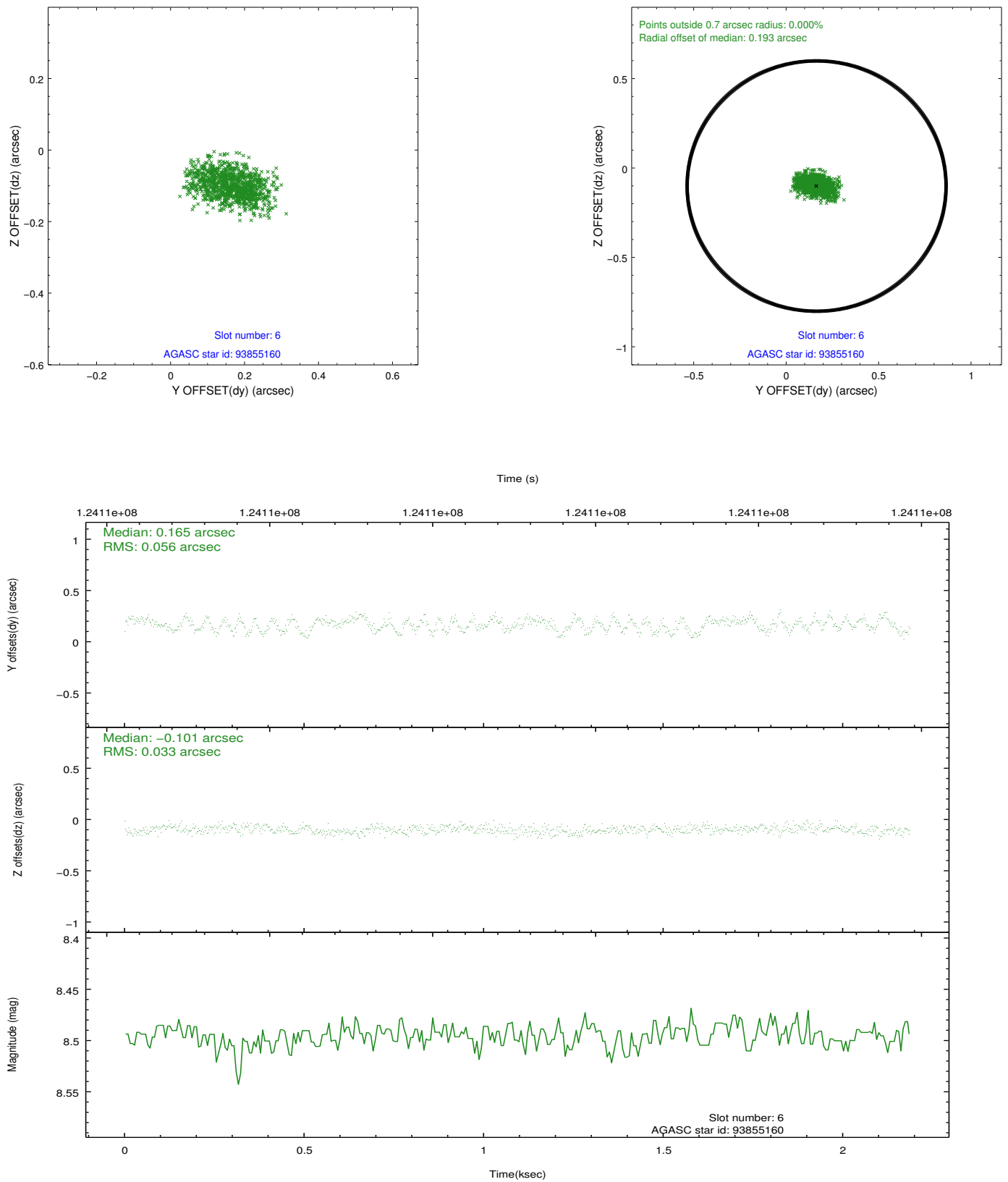
2.4.2 Slot 4



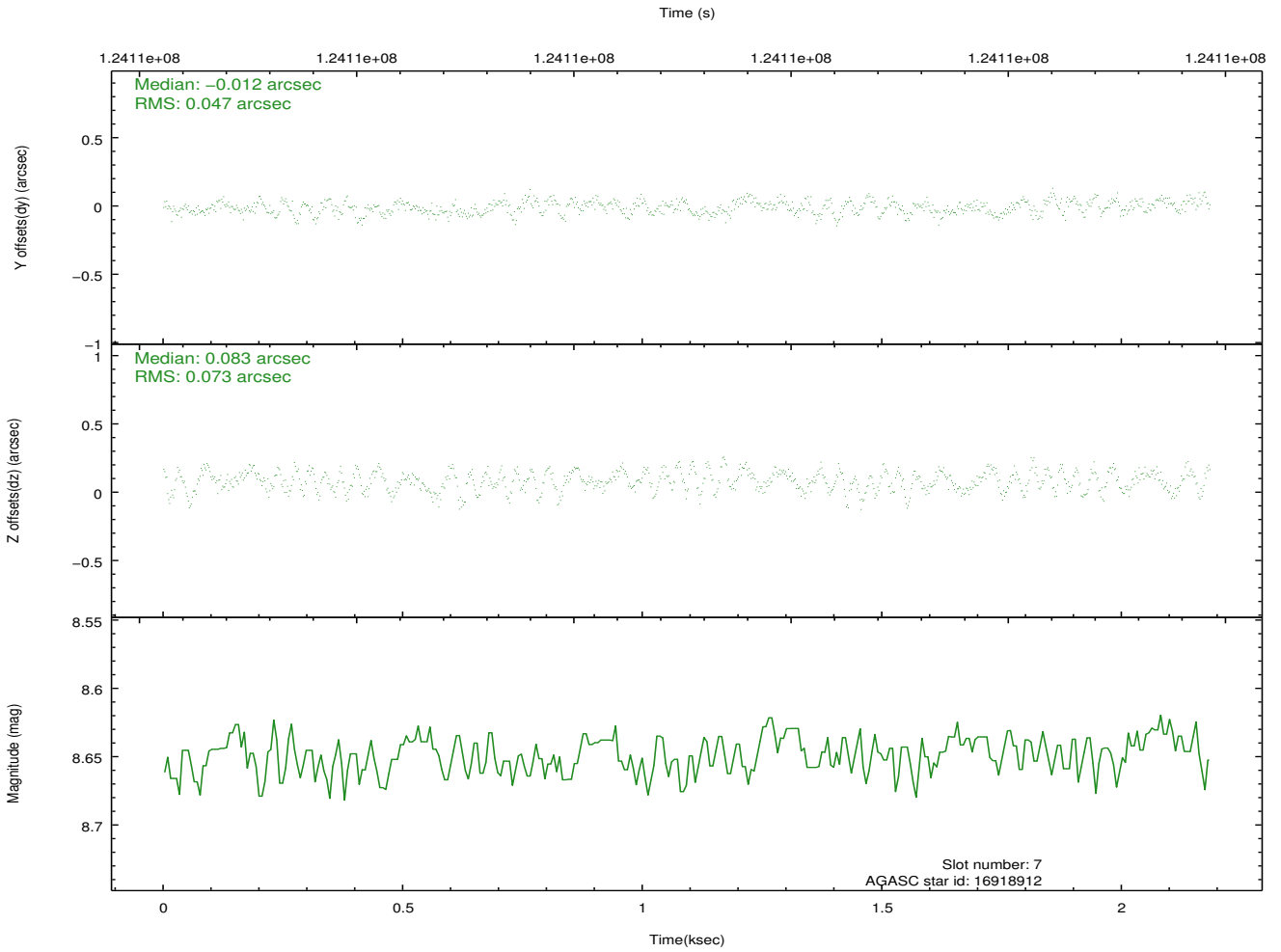
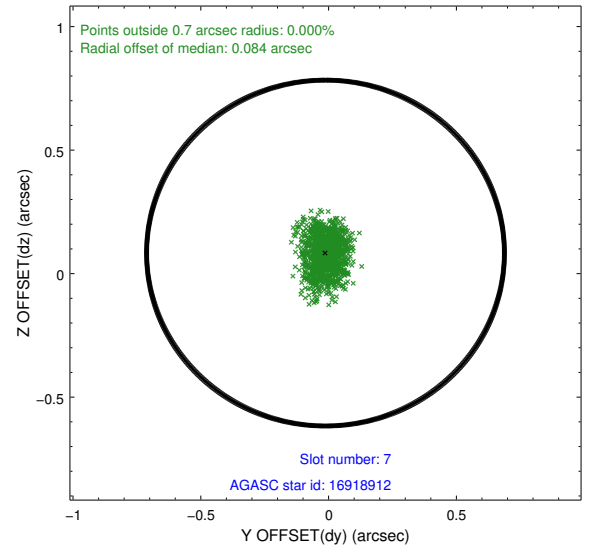
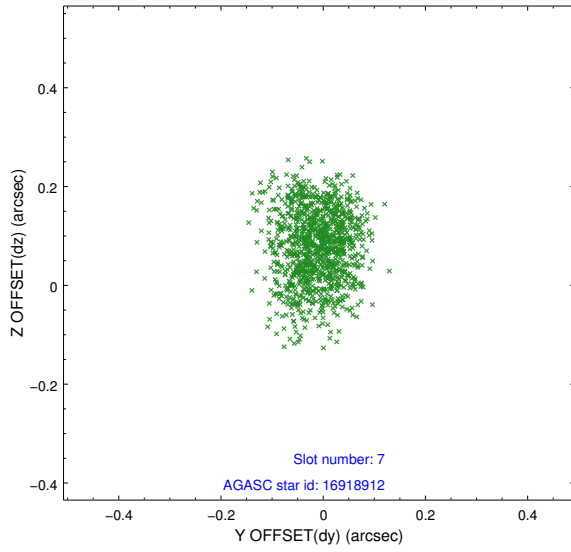
2.4.3 Slot 5



2.4.4 Slot 6

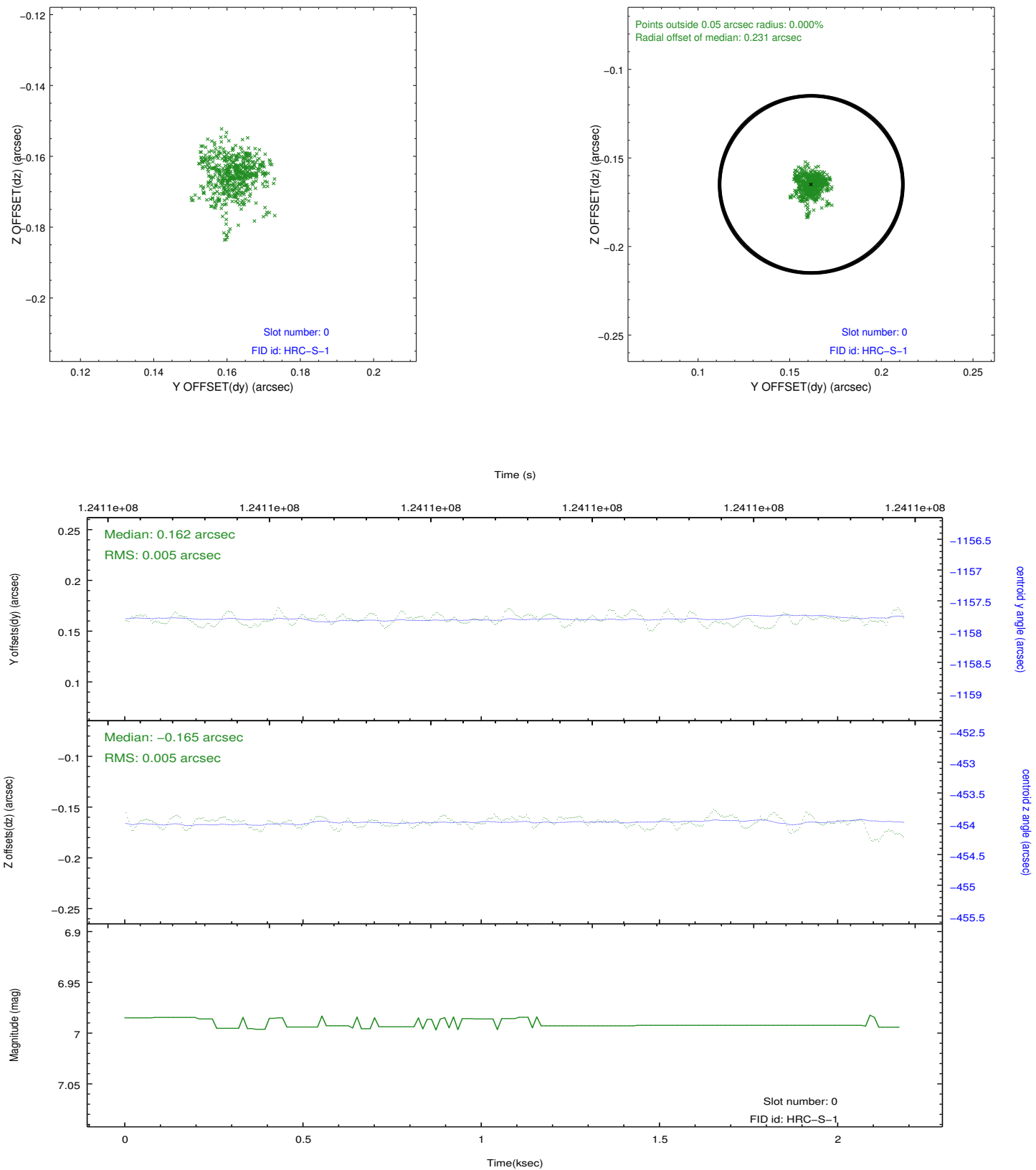


2.4.5 Slot 7

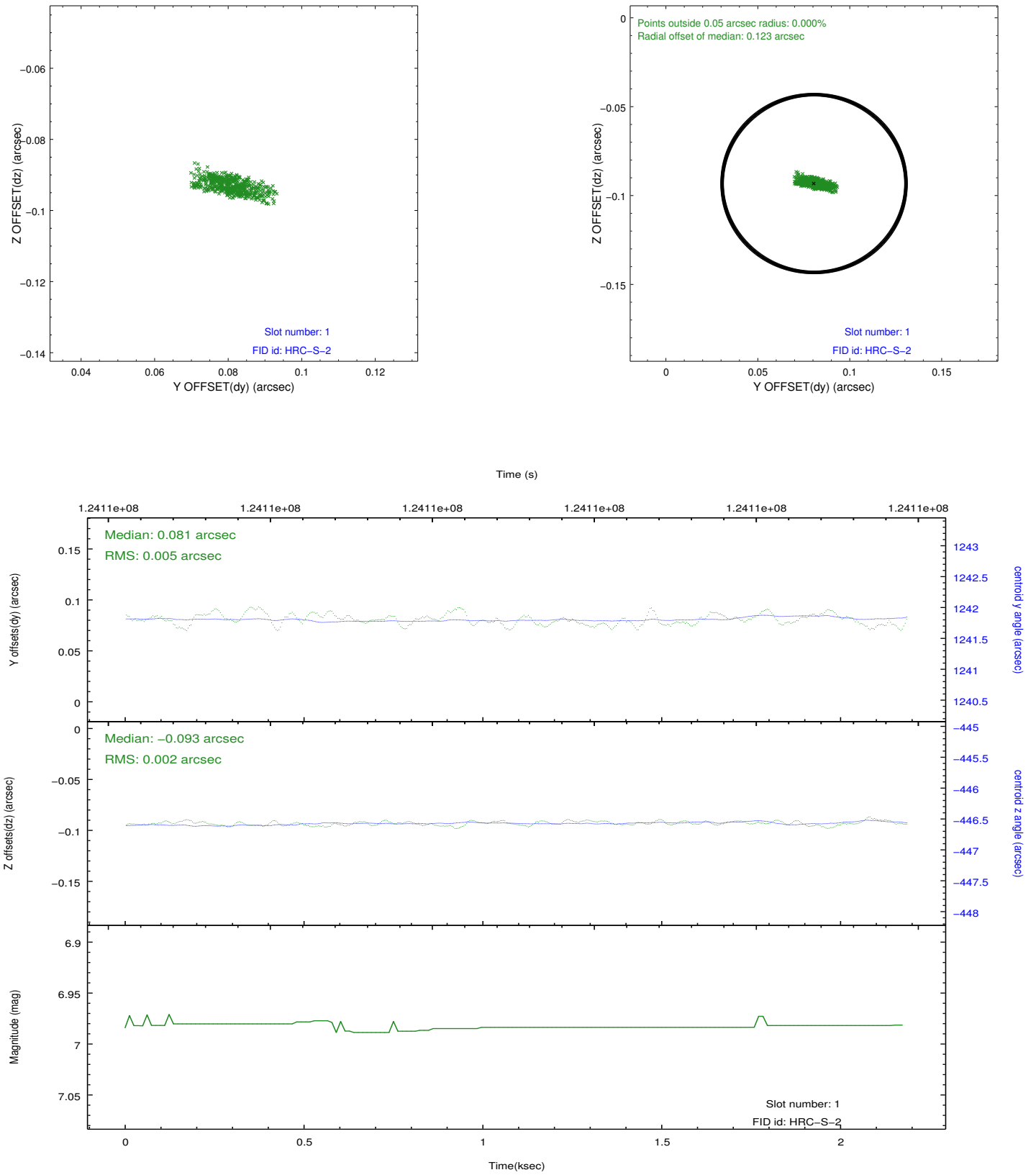


2.5 FID Slots

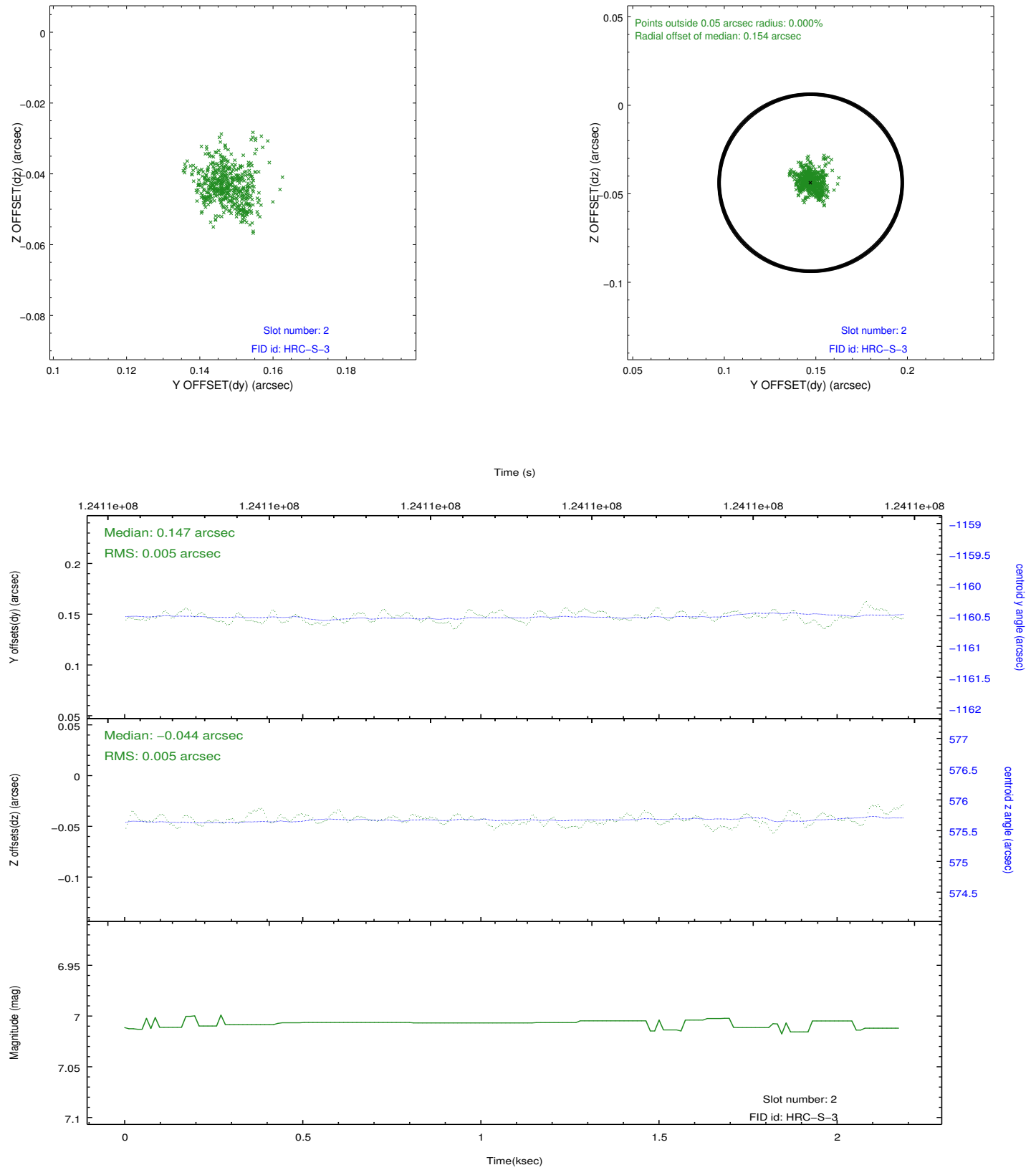
2.5.1 Slot 0



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)	2012.09.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.176

A.2 Comments

Charge time for this ObsId remains at previous value of 2.176 ks although with the current processing the charge time would have been 2.14 ksec. Window constraint met.