

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5057 - L2 Version 3
Chandra X-Ray Center

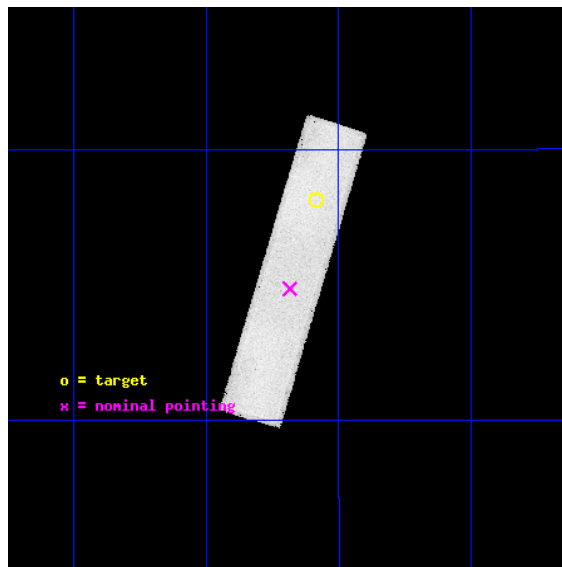
L2 Processing Date : Nov 11 2012

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1 Front

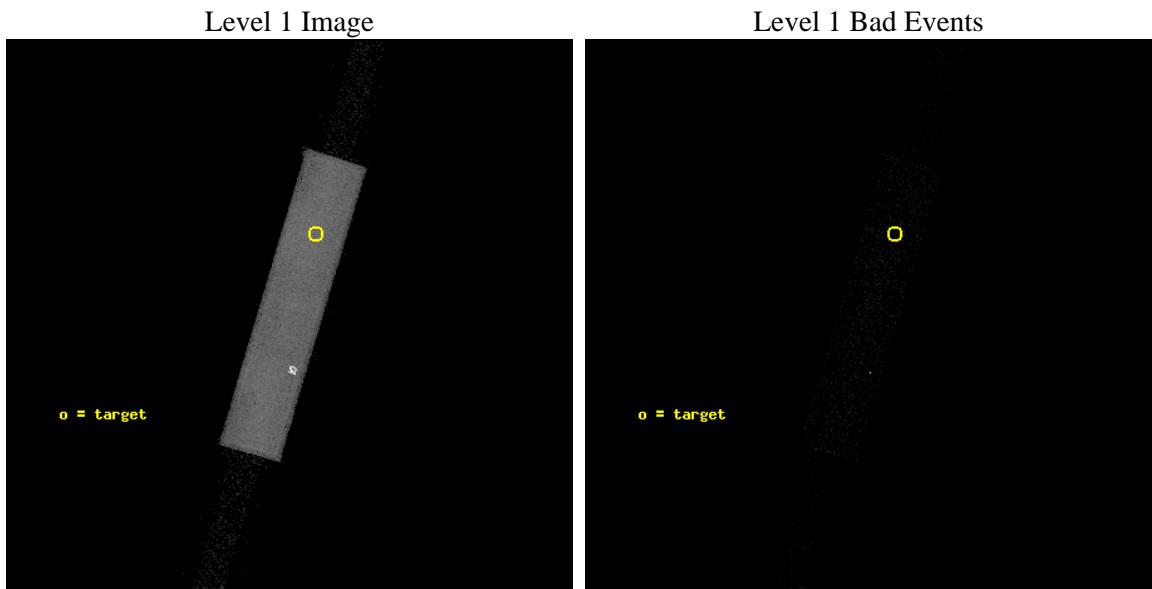
seq_num	290330	Sequence number
obs_id	5057	Observation id
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.842082317091	Nominal RA [deg]
dec_nom	7.2425924062235	Nominal Dec [deg]
roll_nom	286.6022977744	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2243.9813480675	[s]
livetime	2188.3851676115	Ontime multiplied by DTCOR
l2events	127291	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	2102.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2243.9813480675	[s]
caldsver	4.5.2	 	l1events	191200	Number of level 1 events
date	2012-11-11T14:27:45	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

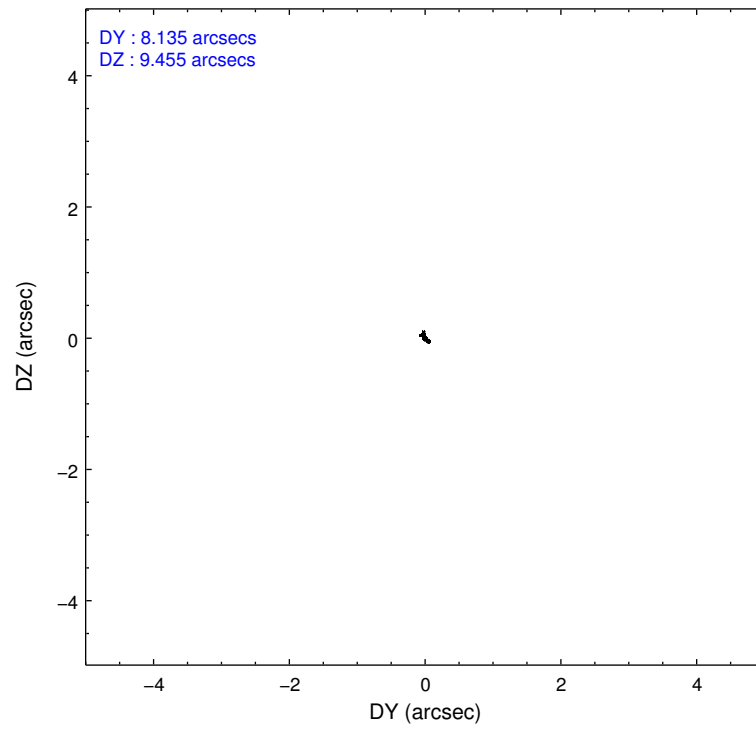
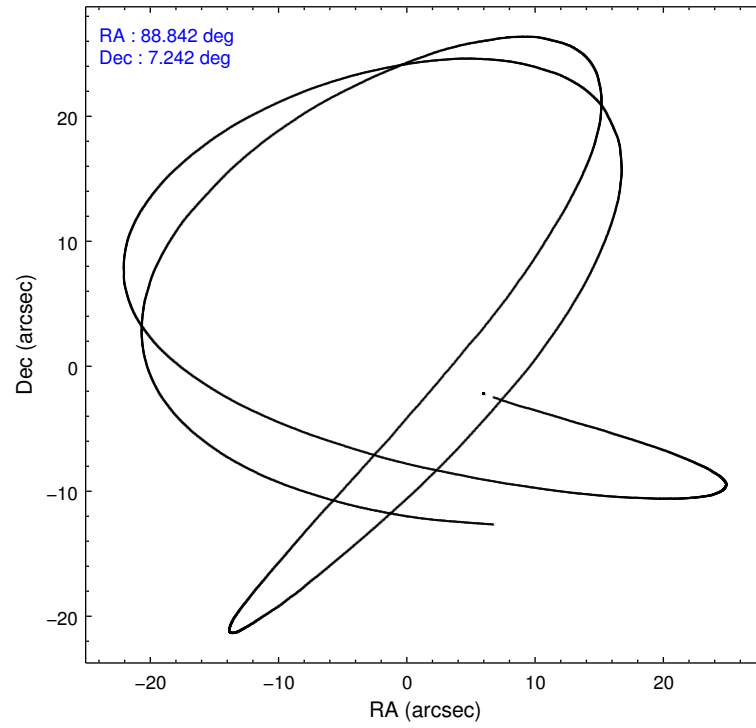
Level 1 Events

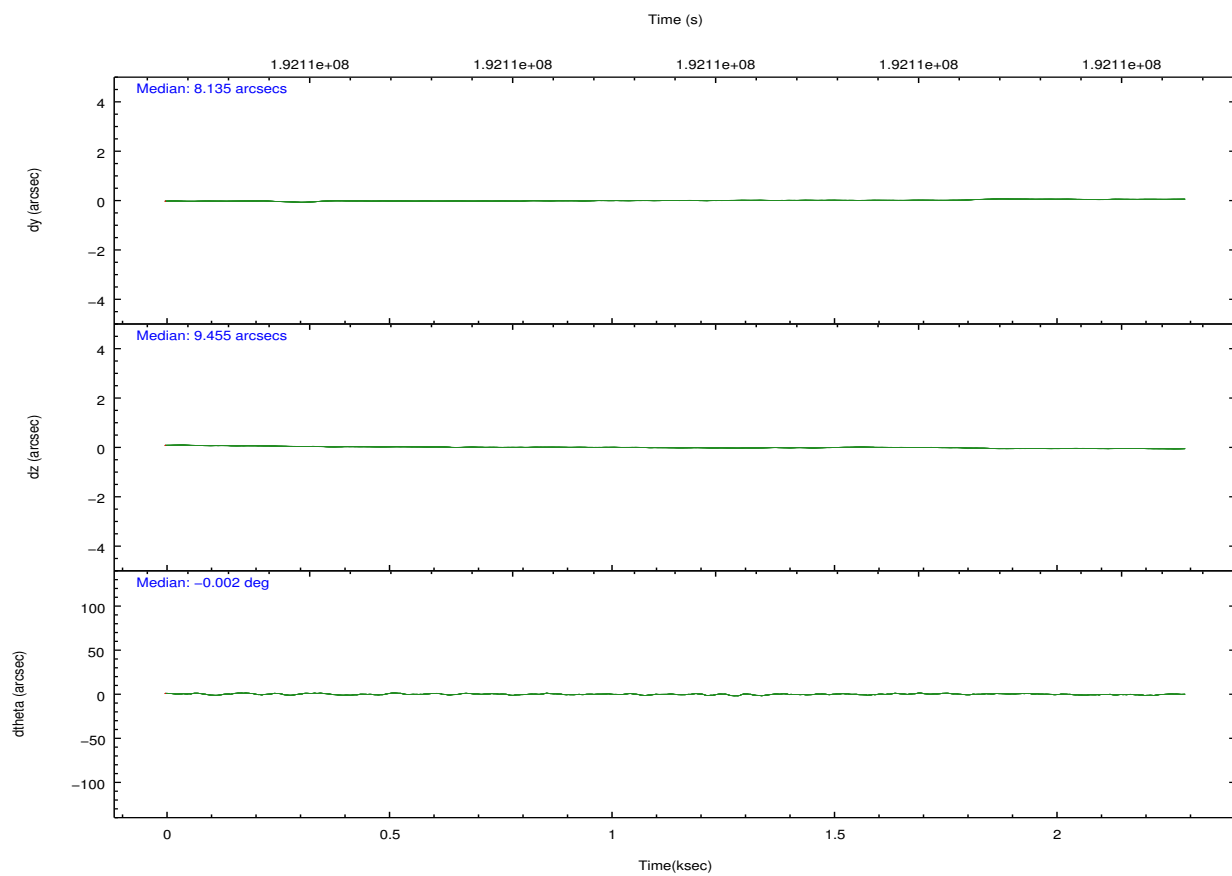
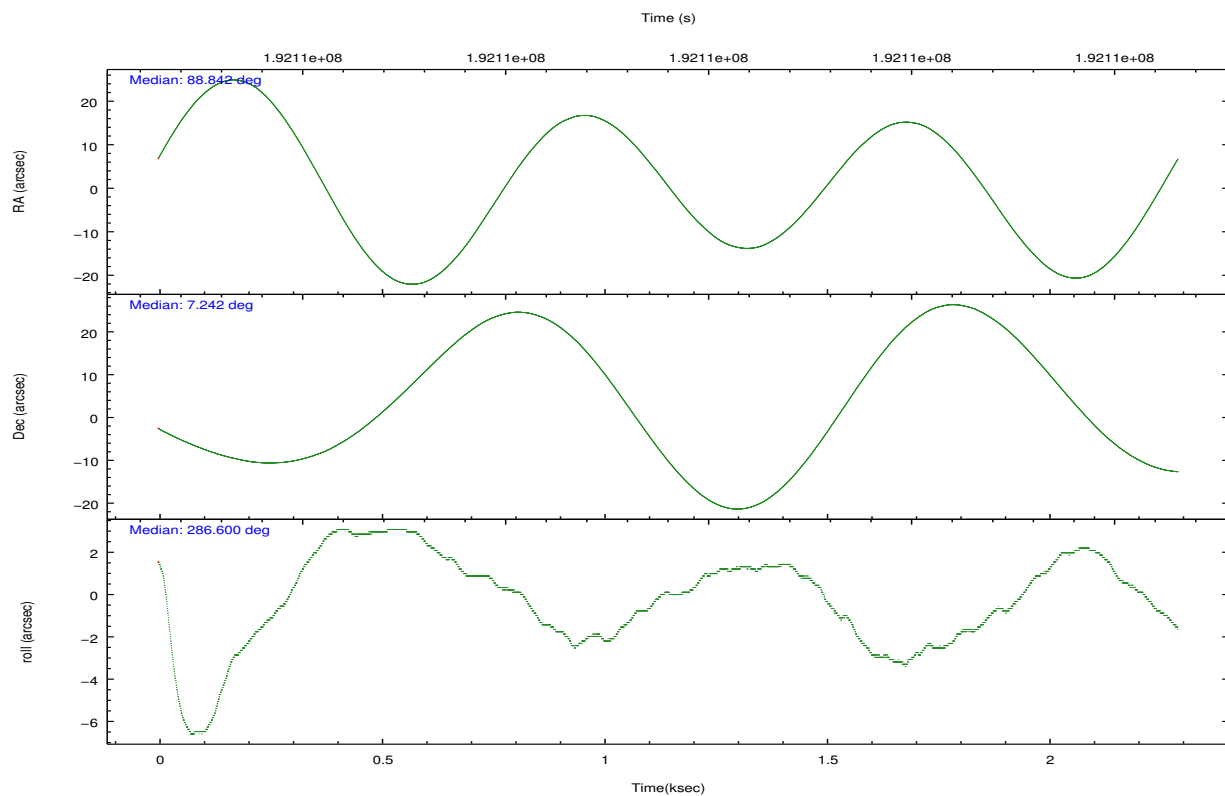
	segment 1	segment 2	segment 3
level 1 events	1086	189060	1054
rejected events	1086	16571	1054
rejected %	100%	8%	100%

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	88.820063	88.84208231709135			
[deg] Pointing Dec	7.261364	7.242592406223476			
[deg] Pointing Roll	286.537725	286.6022977744043			
[s] Window start time (MET)	191980864.184000	191980864.184000			
[s] Window stop time (MET)	197078464.184000	197078464.184000			
[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)	192108443.184000	192108066.69527			
Observation start date	2004-02-02T11:26:19	2004-02-02T11:21:06			
[s] Observation end time (MET)	192110545.184000	192110678.39539			
Observation end date	2004-02-02T12:01:21	2004-02-02T12:04:38			

2.3 Aspect



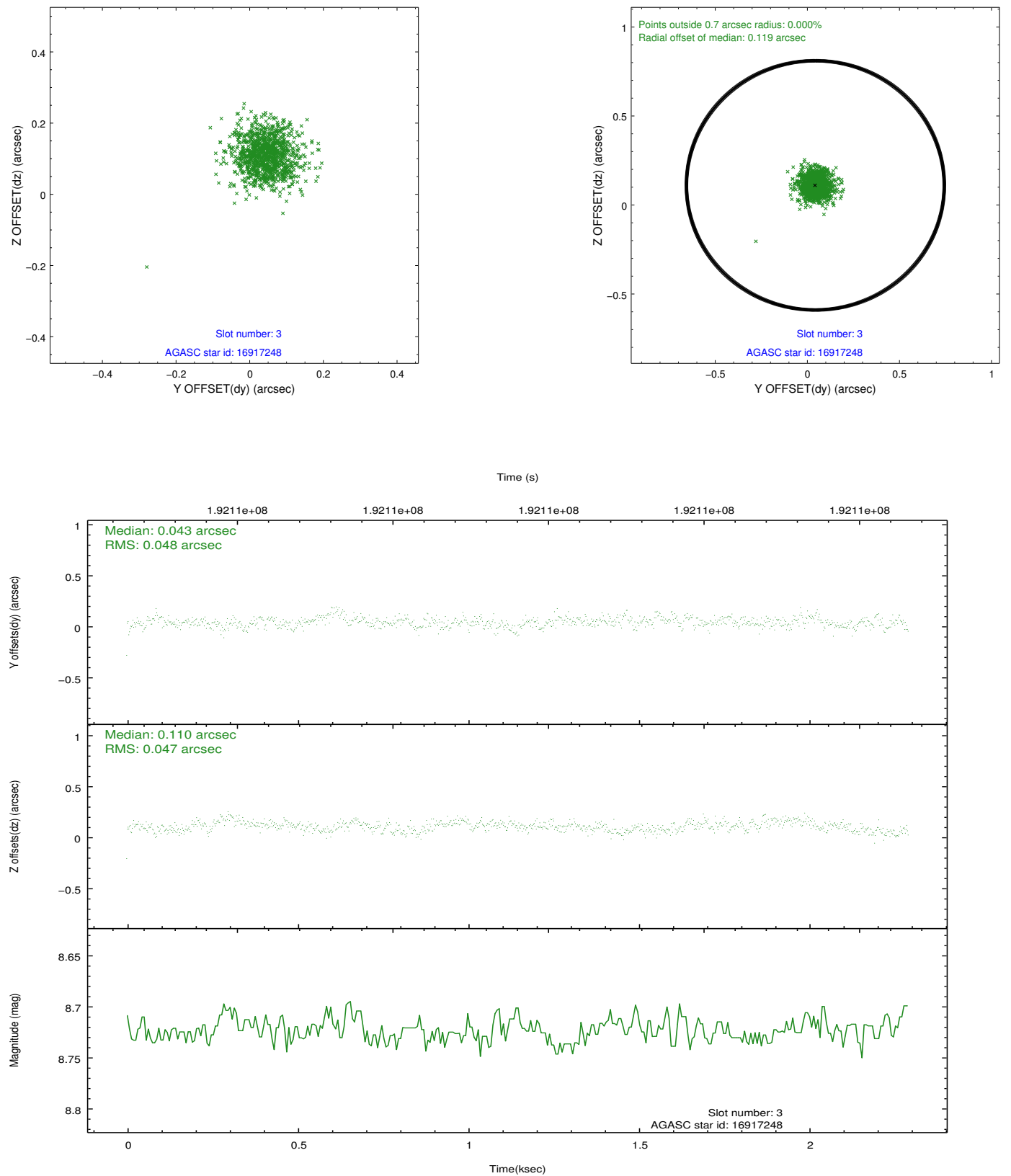


Slot Statistics

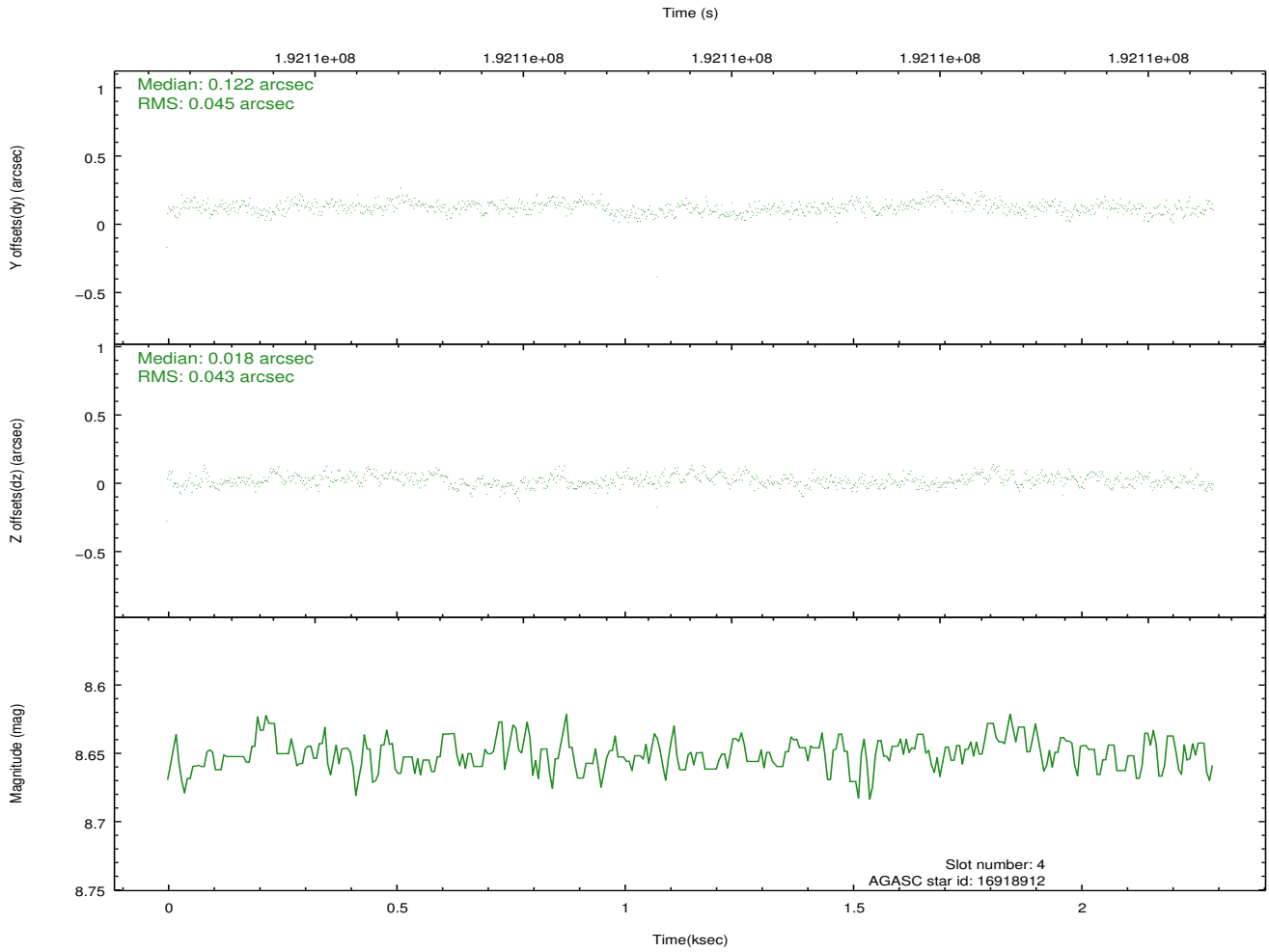
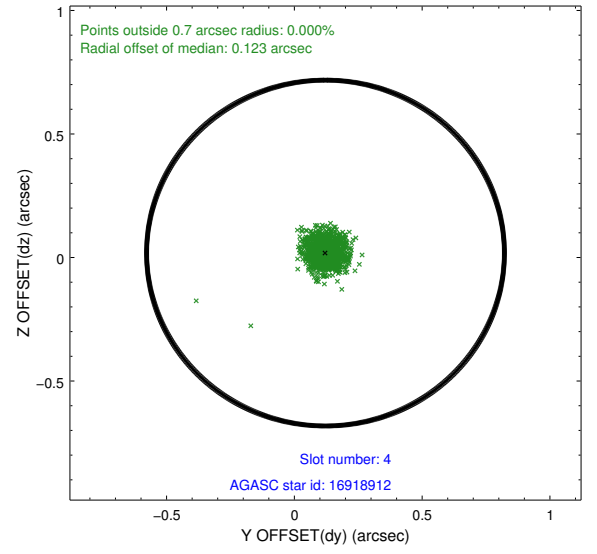
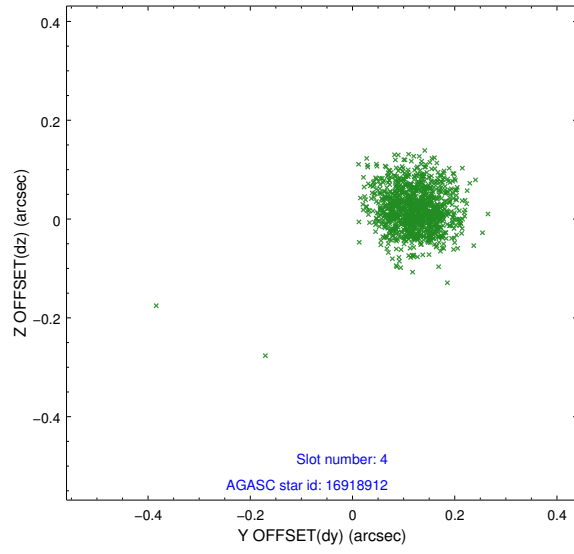
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.09	560	0.164	-0.209	0.007	0.011	0.000000	0.000000	-1162.30	-458.15
1	FID	HRC-S-2	7.08	560	0.127	-0.114	0.005	0.009	0.000000	0.000000	1235.27	-451.56
2	FID	HRC-S-3	7.08	560	0.099	0.021	0.006	0.011	0.000000	0.000000	-1162.86	570.80
3	GUIDE	16917248	8.72	1118	0.043	0.110	0.069	0.115	89.306967	6.774731	2173.59	1170.49
4	GUIDE	16918912	8.65	1116	0.122	0.018	0.063	0.101	89.257075	6.922287	1615.68	1151.10
5	GUIDE	93854800	7.57	1119	-0.145	-0.098	0.062	0.100	88.376308	7.655454	-1810.35	-1112.92
6	GUIDE	93855160	8.49	1119	-0.072	0.027	0.064	0.101	88.514904	7.713359	-1872.17	-581.37
7	GUIDE	16910592	8.98	1117	0.046	-0.054	0.069	0.114	88.532936	6.726769	1550.50	-1532.30

2.4 Star Slots

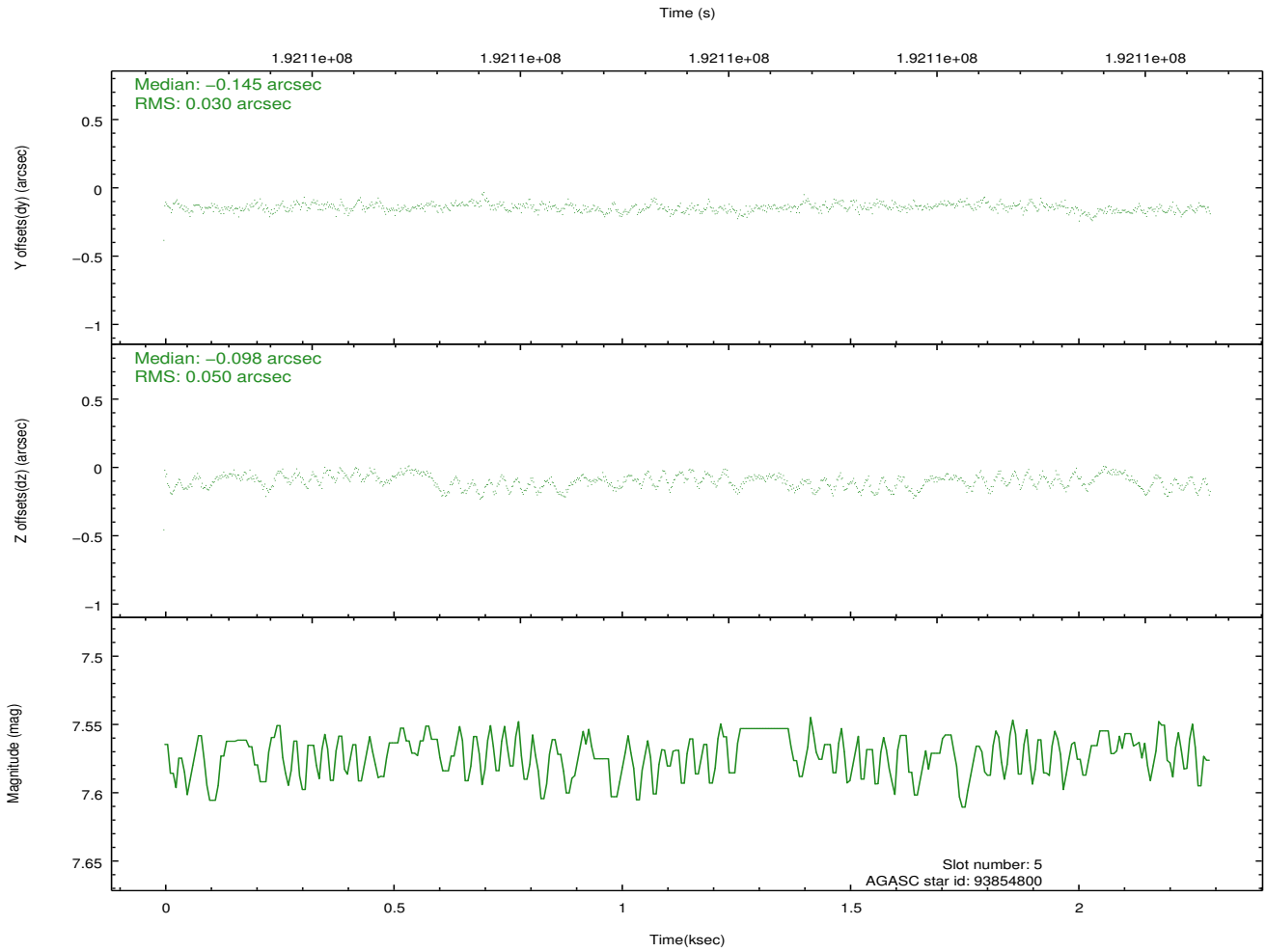
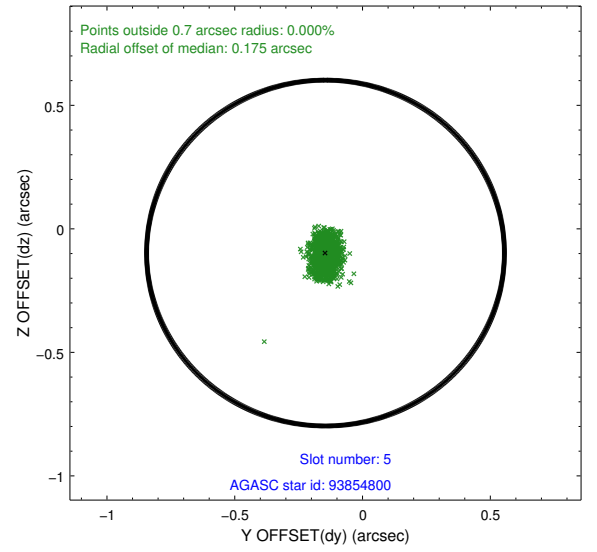
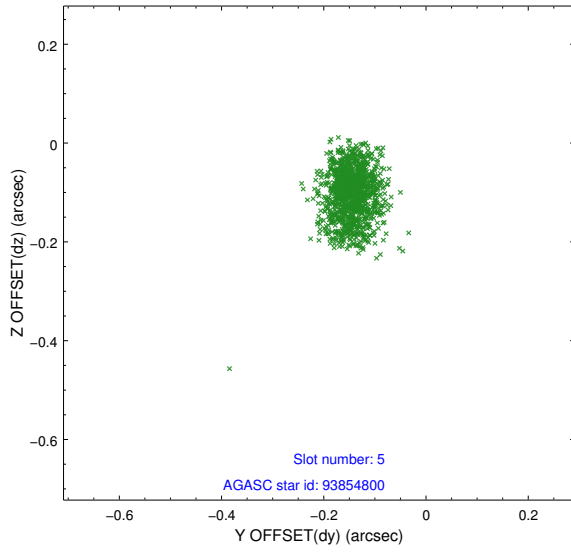
2.4.1 Slot 3



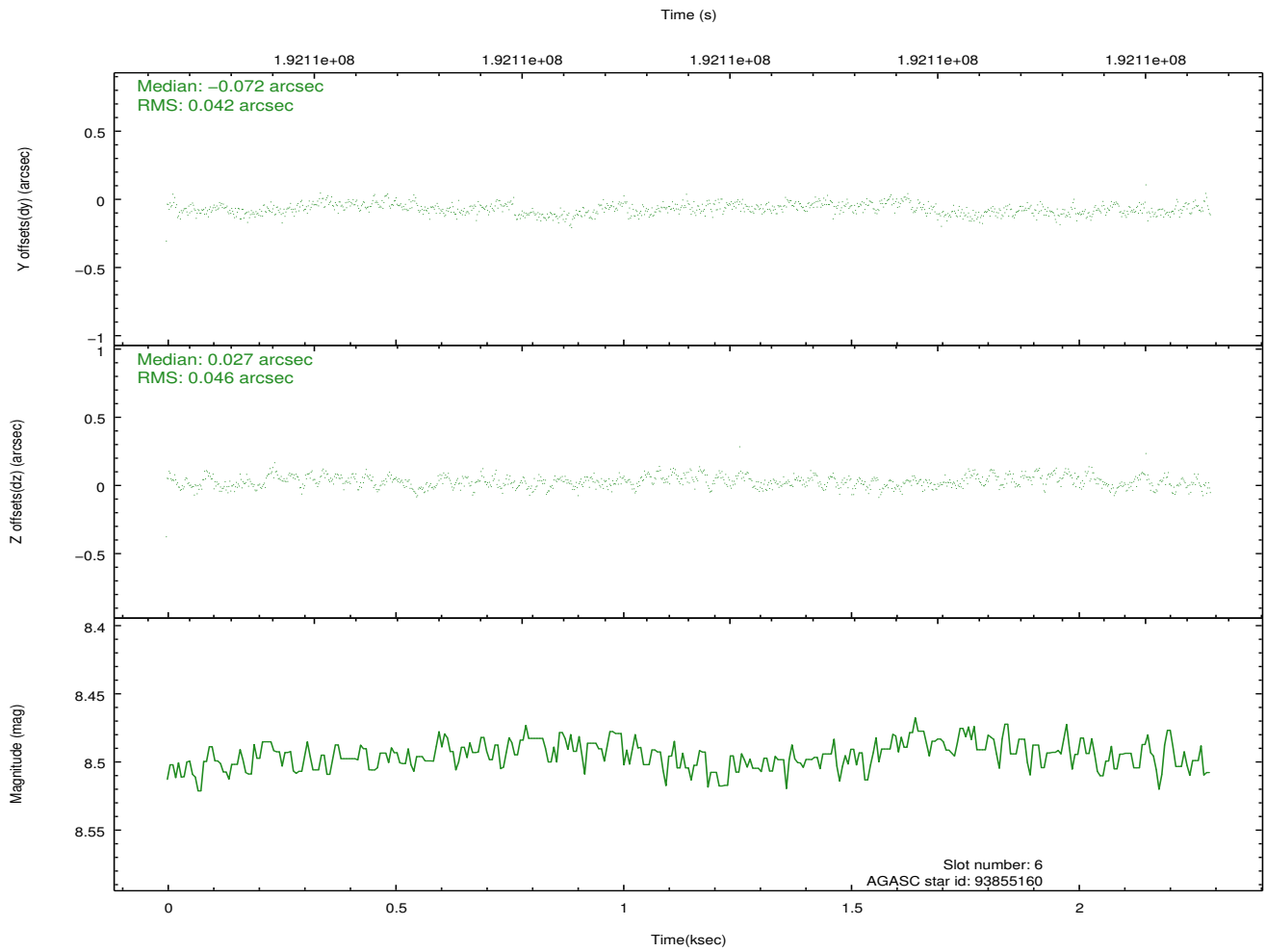
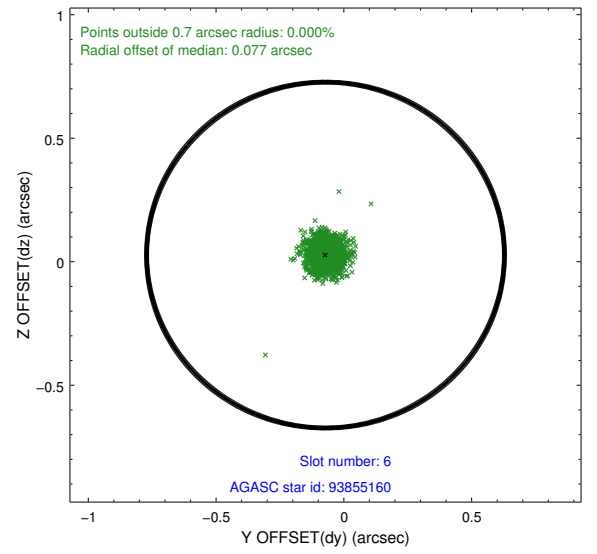
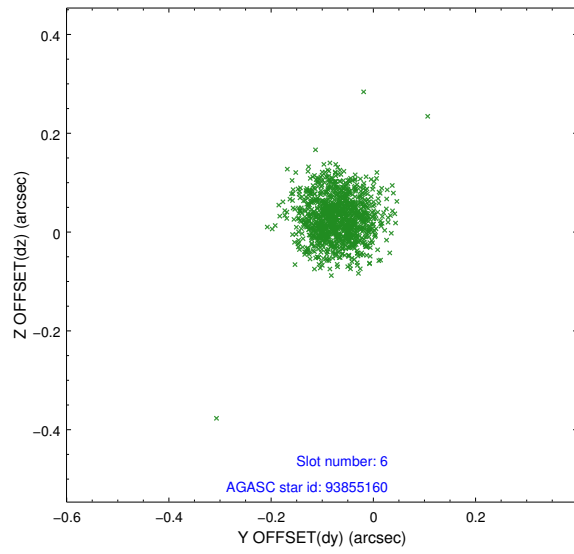
2.4.2 Slot 4



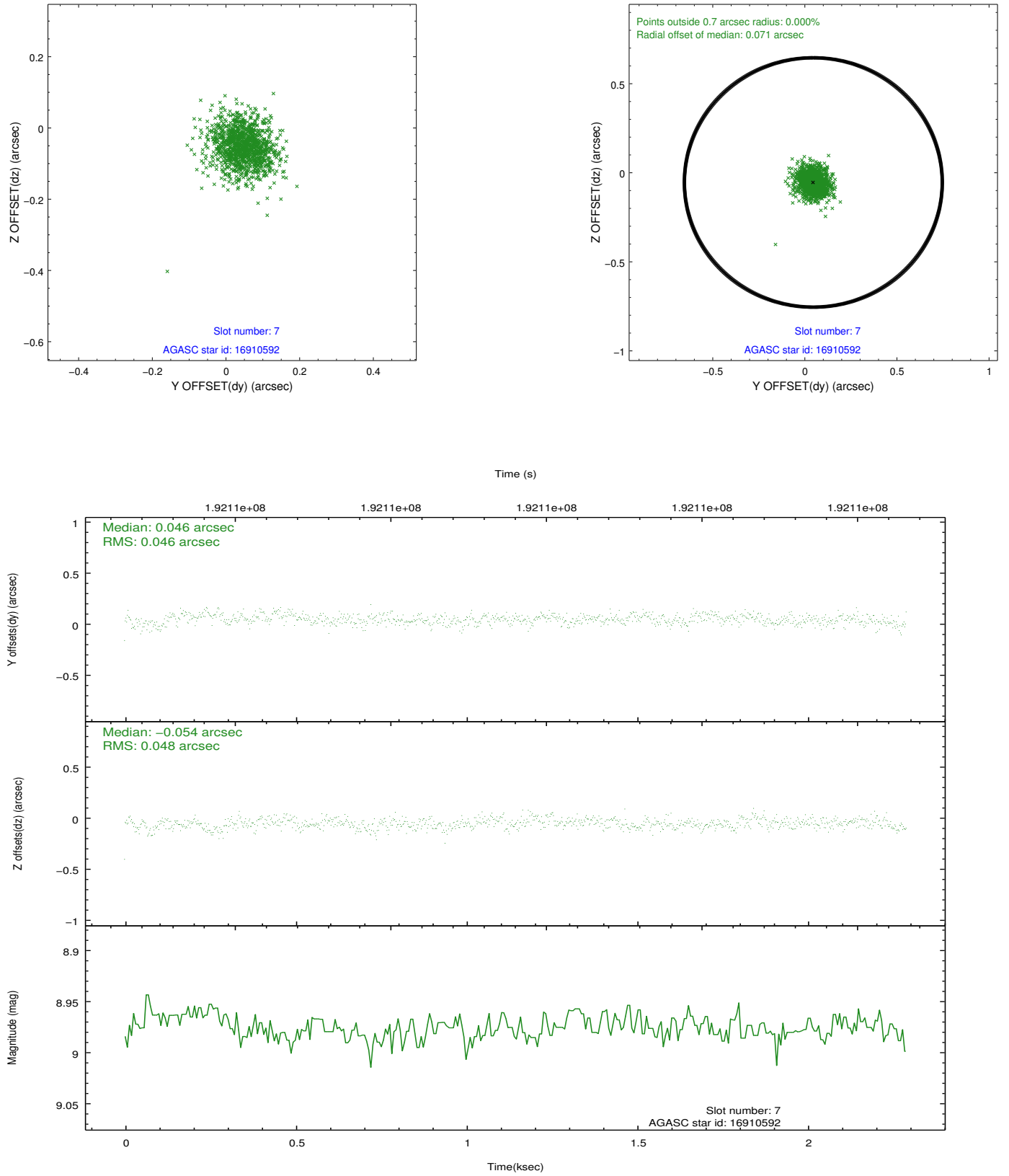
2.4.3 Slot 5



2.4.4 Slot 6

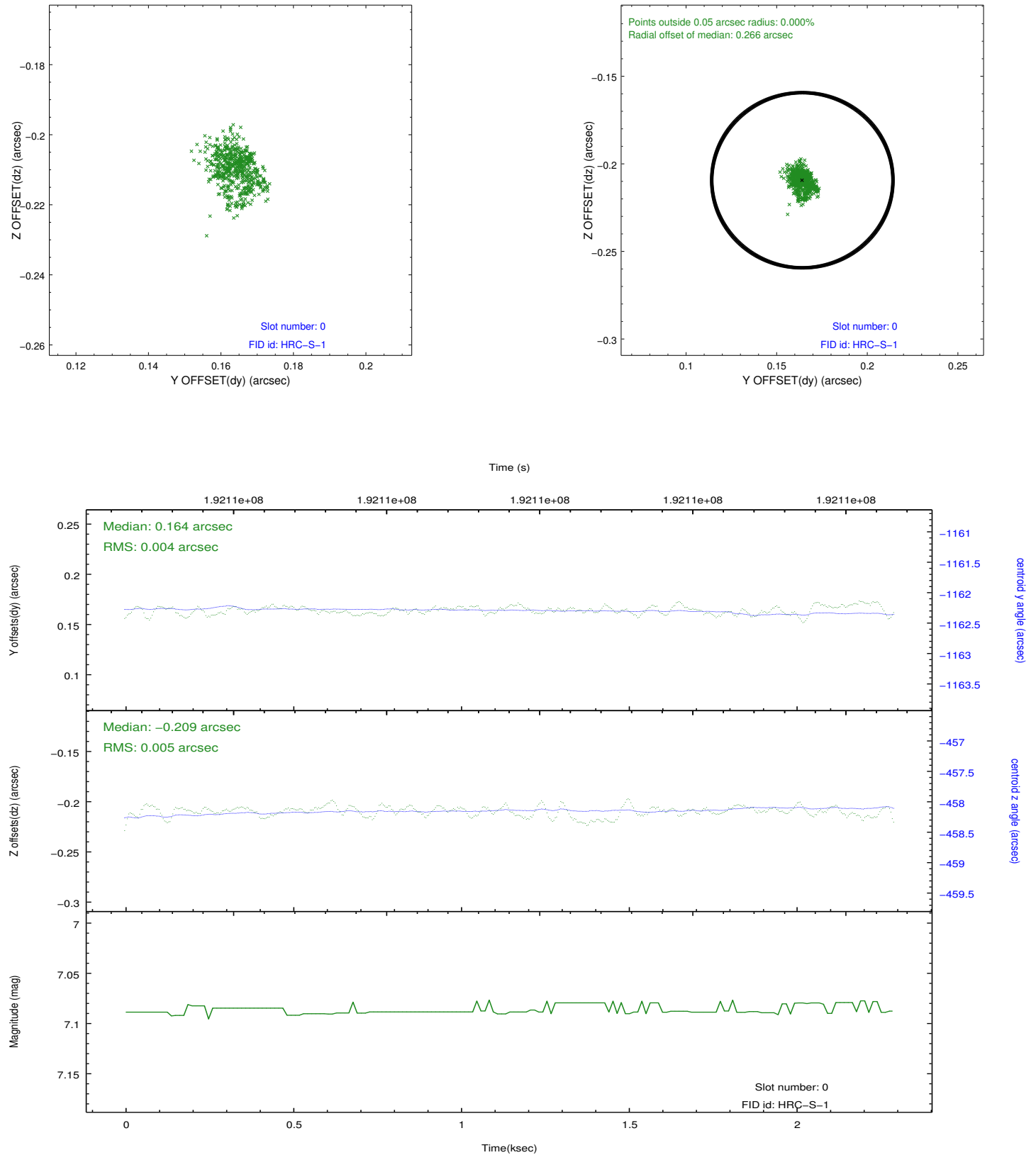


2.4.5 Slot 7

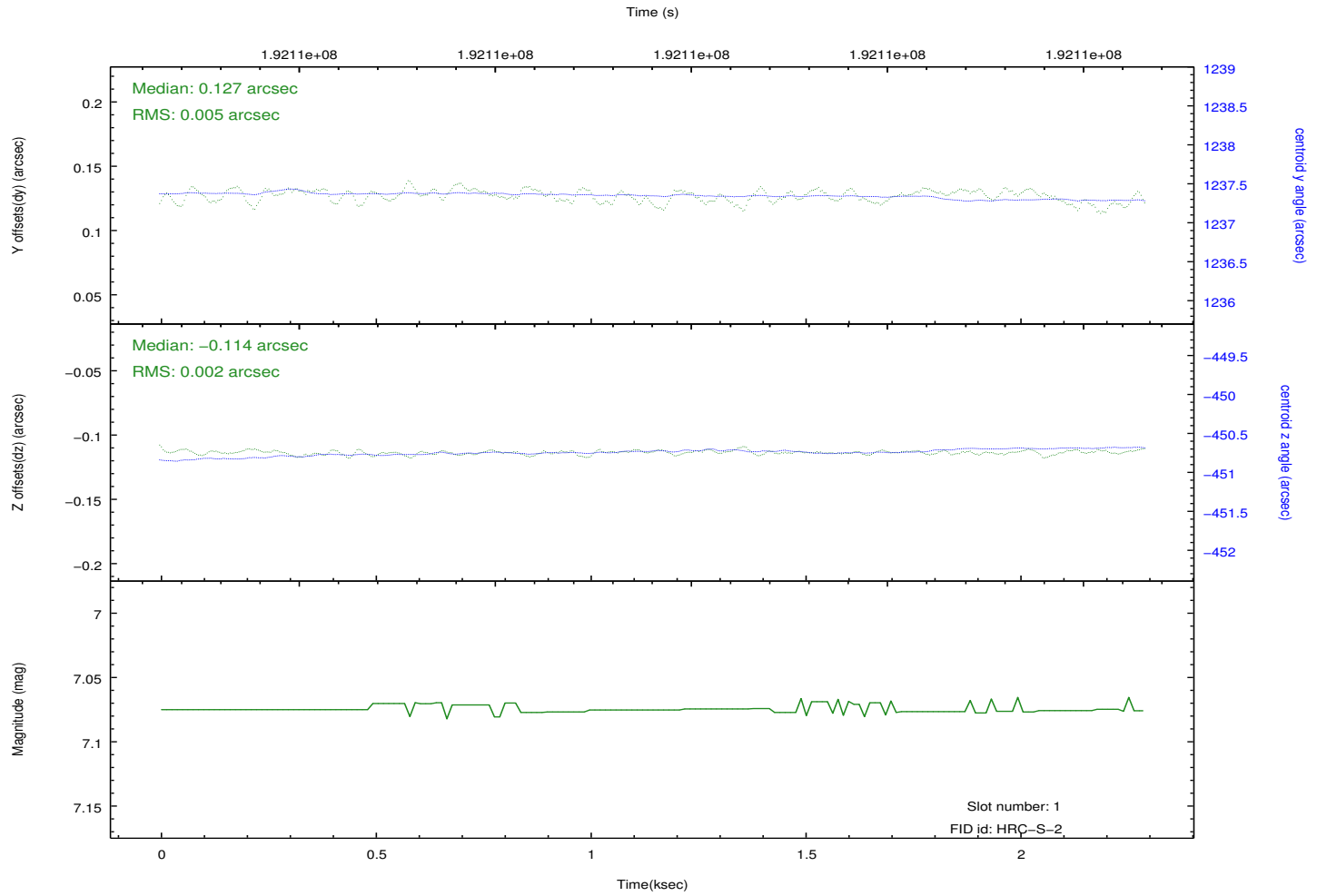
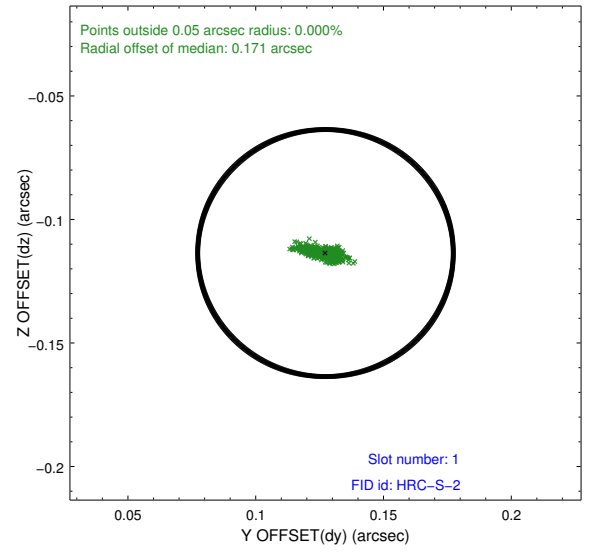
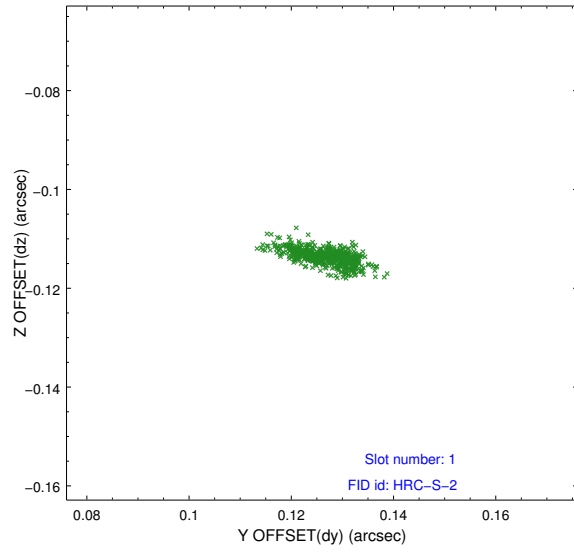


2.5 FID Slots

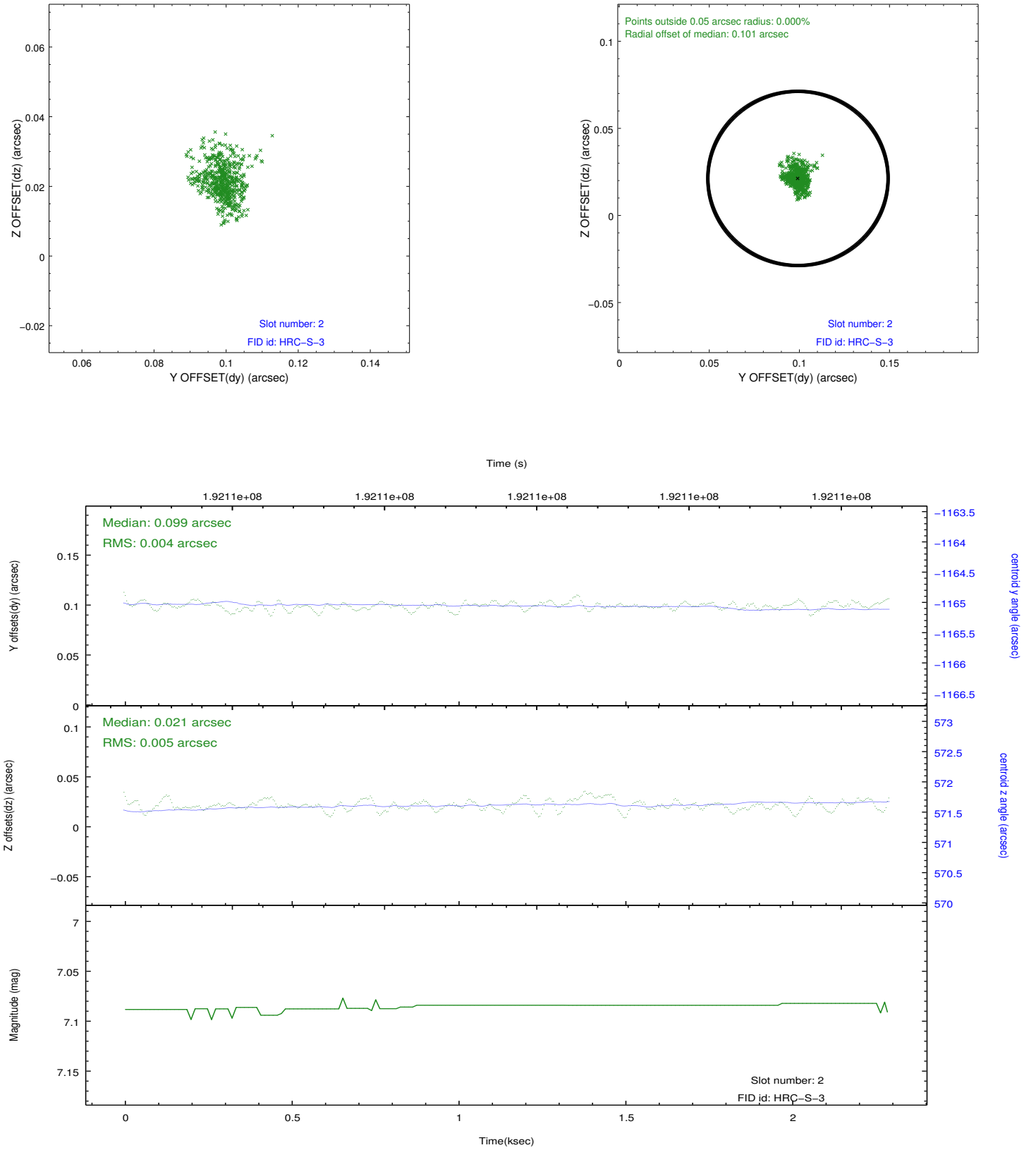
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.244

A.2 Comments

Window constraint satisfied.