

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5059 - L2 Version 3
Chandra X-Ray Center

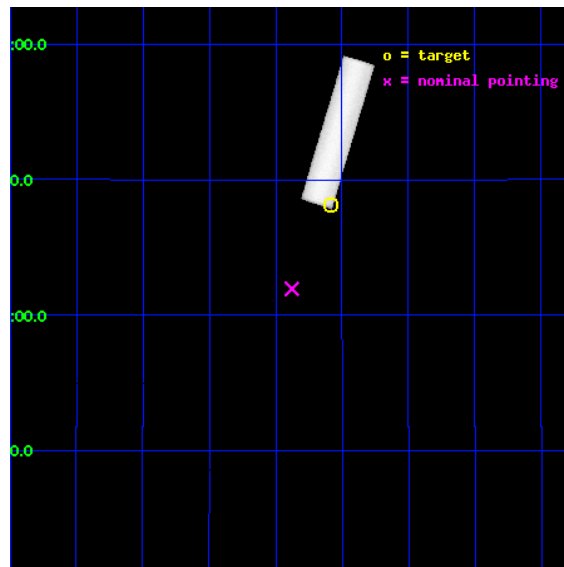
L2 Processing Date : Nov 11 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

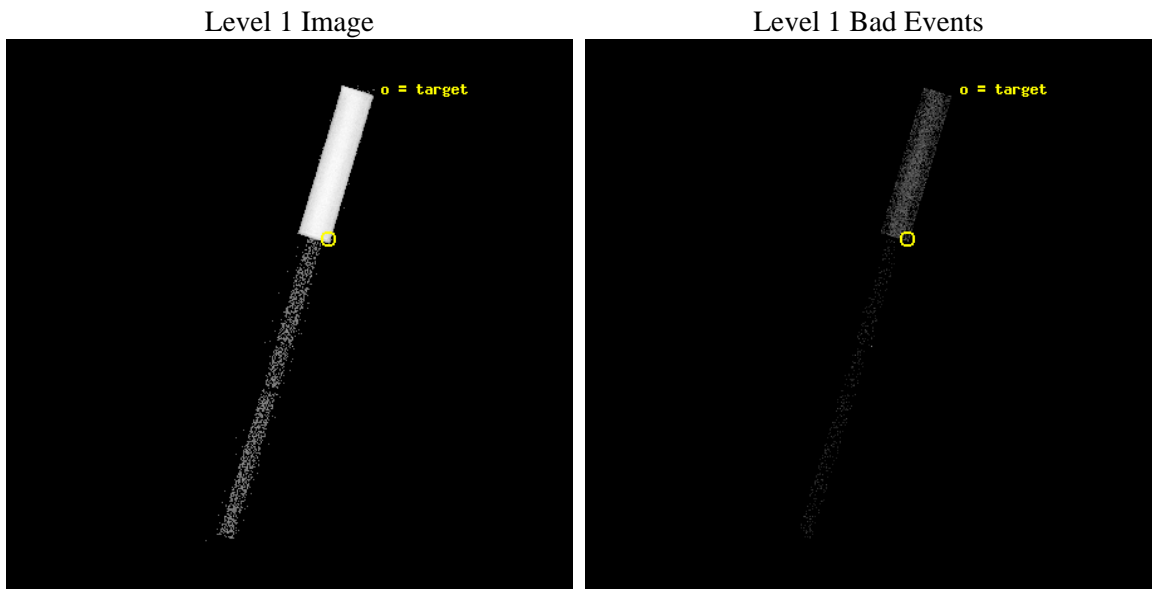
seq_num	290332	Sequence number
obs_id	5059	Observation id
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.938804268834	Nominal RA [deg]
dec_nom	7.0976686516538	Nominal Dec [deg]
roll_nom	286.71273963457	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2246.0313481688	[s]
livetime	2187.8001393168	Ontime multiplied by DTCOR
l2events	203013	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	2246.0313481688	[s]
caldsver	4.5.2	 	l1events	248469	Number of level 1 events
date	2012-11-11T14:28:54	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

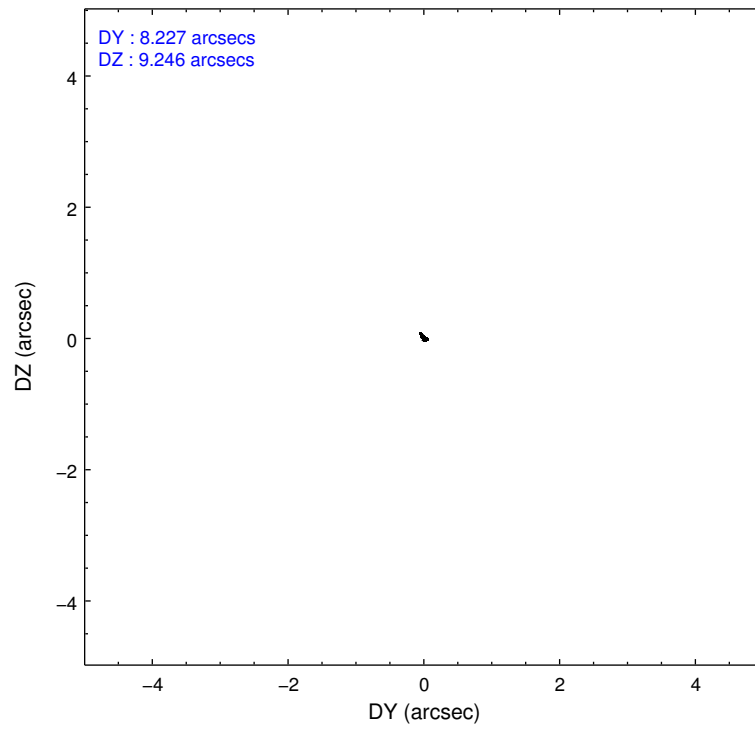
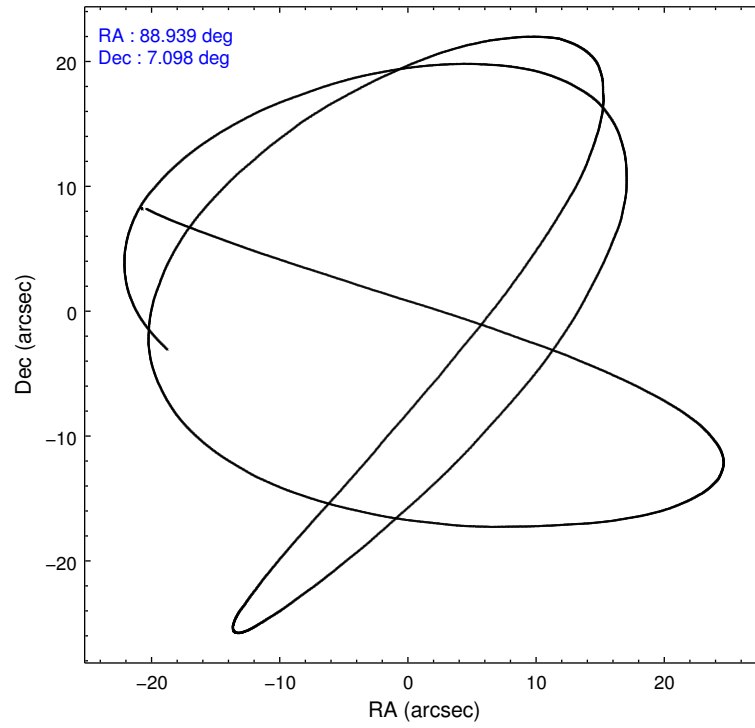
	segment 1	segment 2	segment 3
level 1 events	246058	1188	1223
rejected events	16051	1157	1223
rejected %	6%	97%	100%

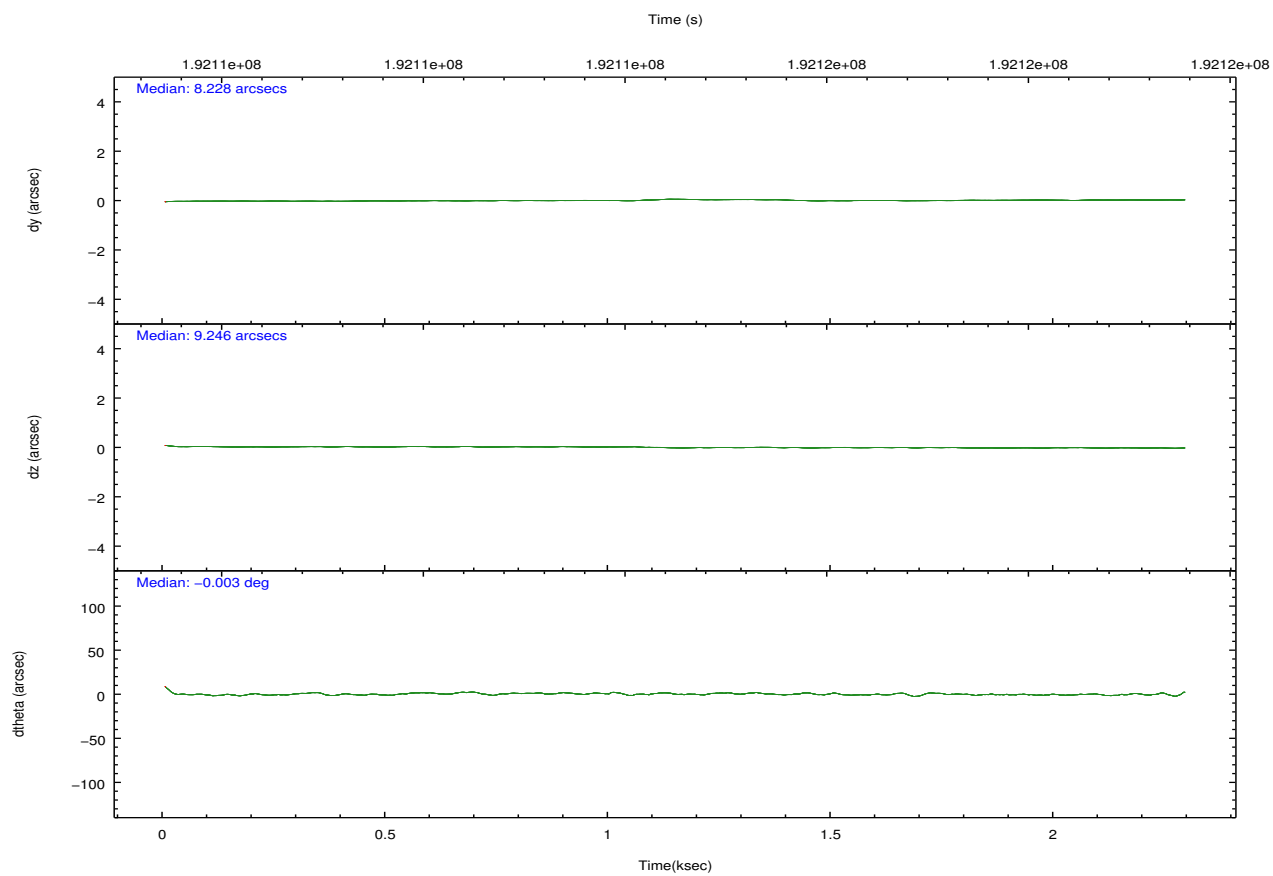
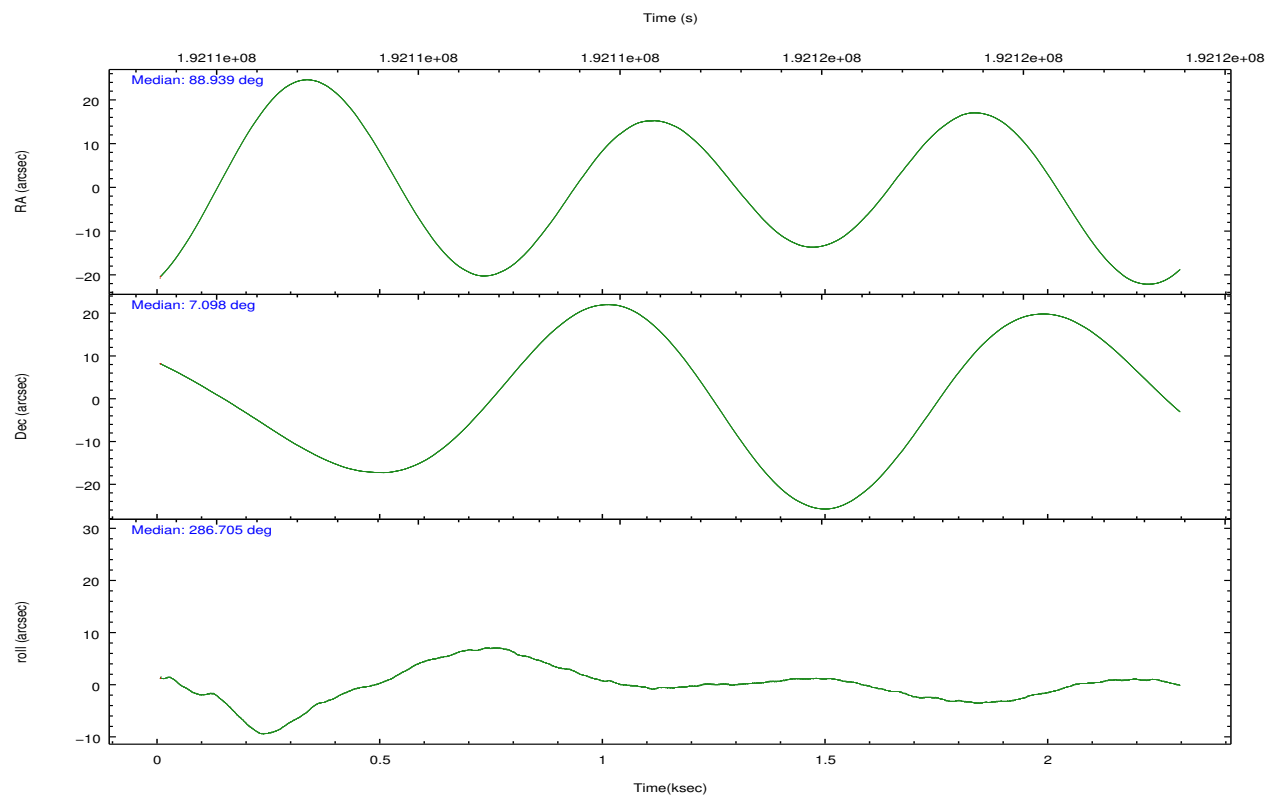
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	88.916805	88.93880426883395
[deg] Pointing Dec	7.116075	7.097668651653834
[deg] Pointing Roll	286.648107	286.7127396345663
[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)	192113667.184000	192113291.1205
Observation start date	2004-02-02T12:53:23	2004-02-02T12:48:11
[s] Observation end time (MET)	192115769.184000	192117102.07067
Observation end date	2004-02-02T13:28:25	2004-02-02T13:51:42

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



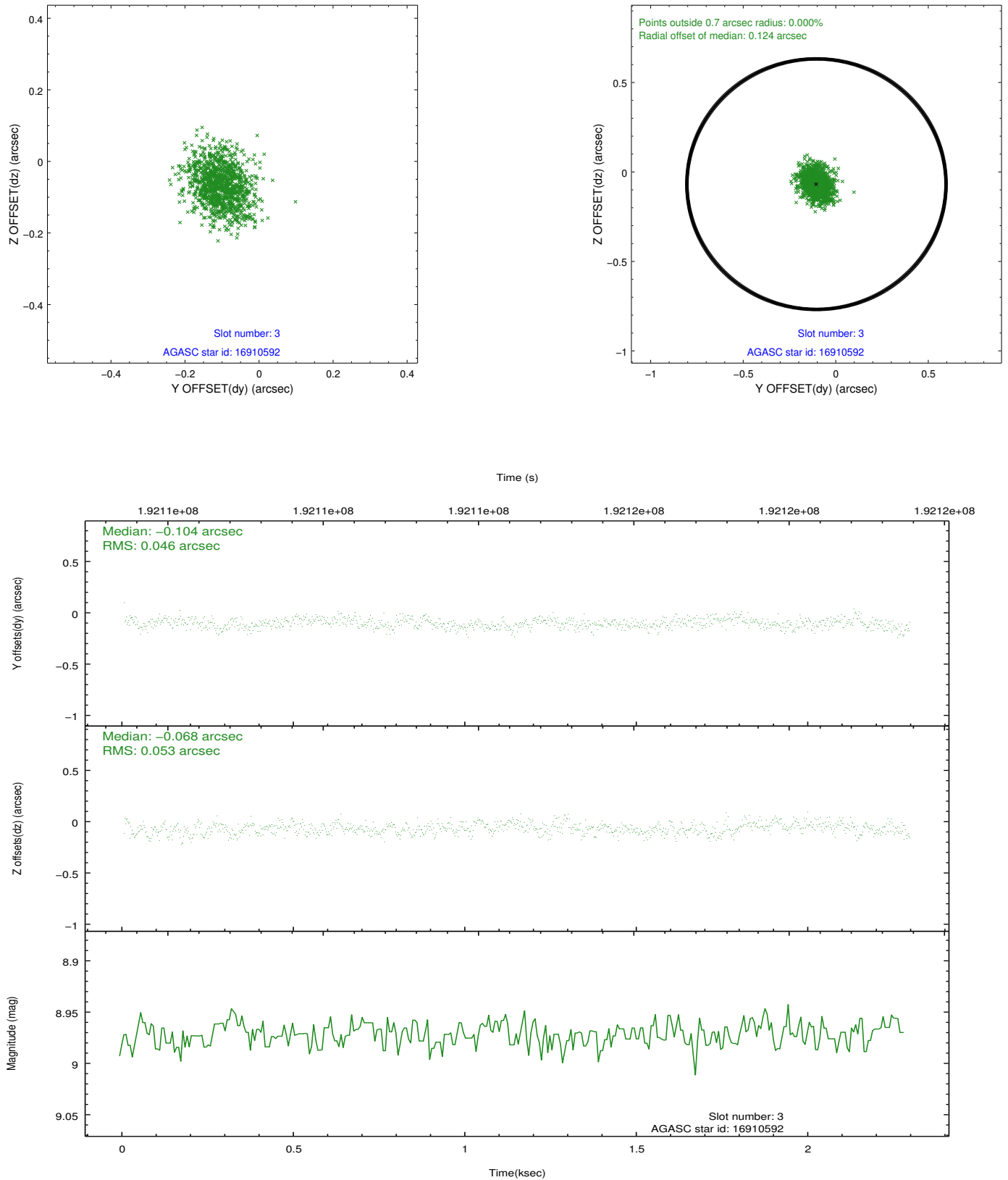


Slot Statistics

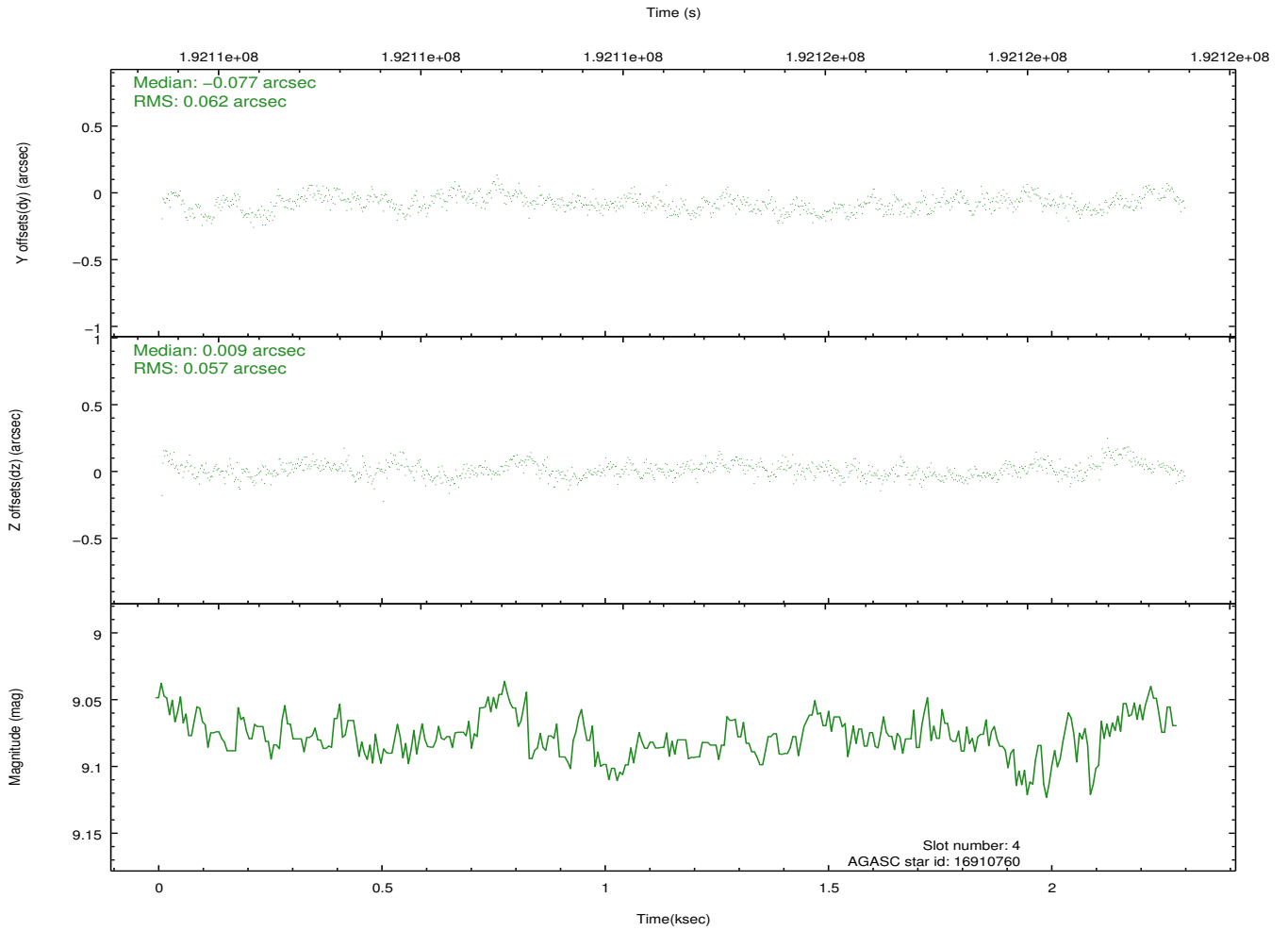
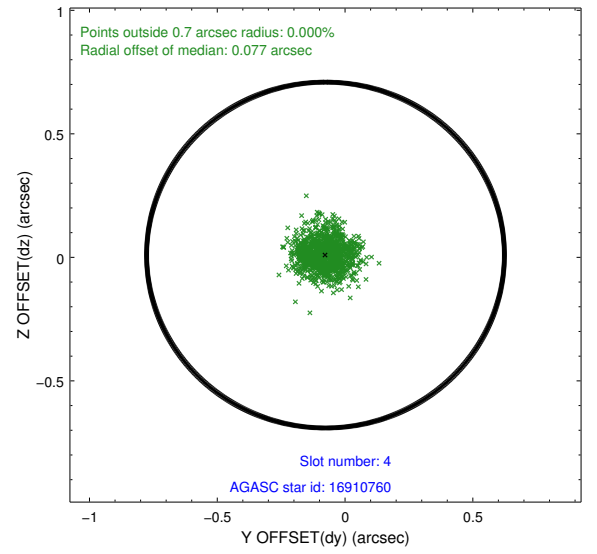
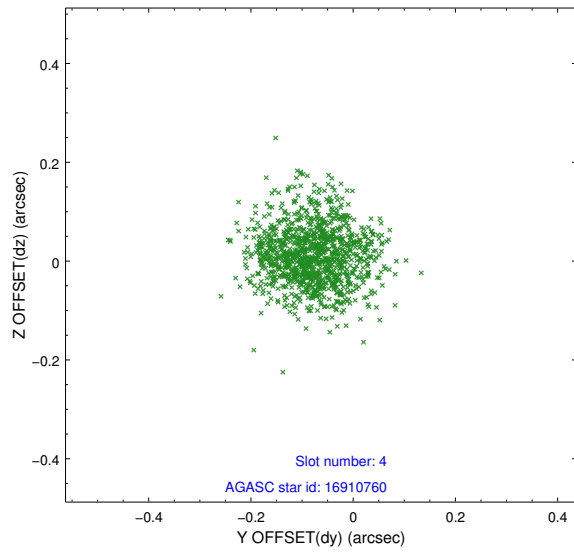
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	559	0.126	-0.208	0.006	0.010	0.000000	0.000000	-1162.43	-457.95
1	FID	HRC-S-3	7.08	559	0.067	0.009	0.007	0.013	0.000000	0.000000	-1167.27	570.98
2	FID	HRC-S-4	7.06	559	0.195	-0.098	0.005	0.009	0.000000	0.000000	1233.83	575.24
3	GUIDE	16910592	8.97	1118	-0.104	-0.068	0.073	0.120	88.532936	6.726769	950.03	-1716.36
4	GUIDE	16910760	9.08	1114	-0.077	0.009	0.092	0.145	89.059695	7.486642	-1130.59	868.99
5	GUIDE	16912728	9.10	1118	0.197	-0.011	0.091	0.148	88.844647	6.730340	1256.67	-644.26
6	GUIDE	16913360	8.34	1118	-0.059	0.029	0.065	0.101	89.178373	7.247125	-182.86	1029.48
7	GUIDE	16917248	8.71	1117	0.046	0.046	0.066	0.108	89.306967	6.774731	1576.98	985.46

2.4 Star Slots

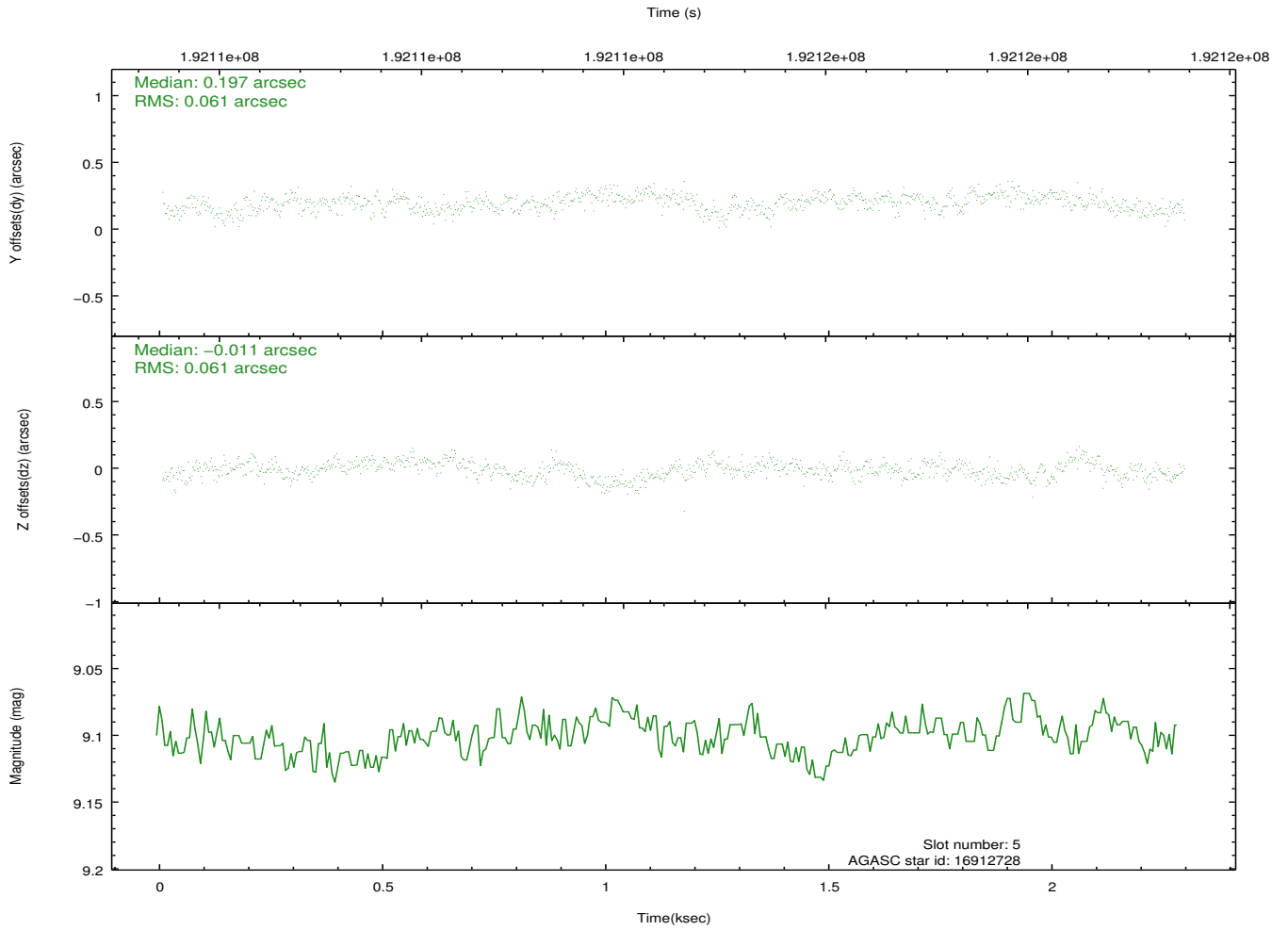
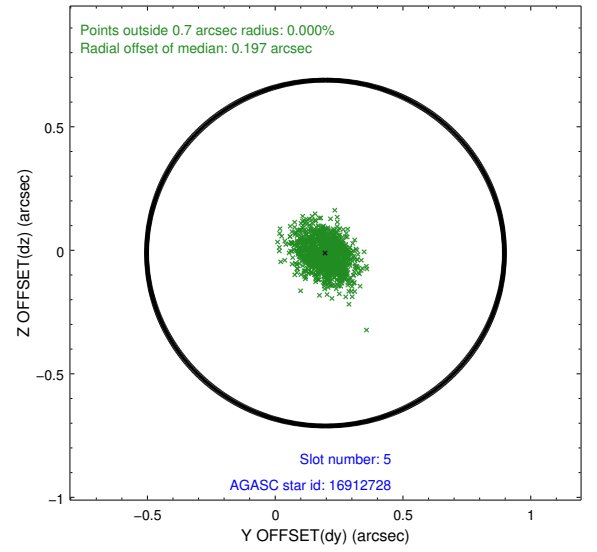
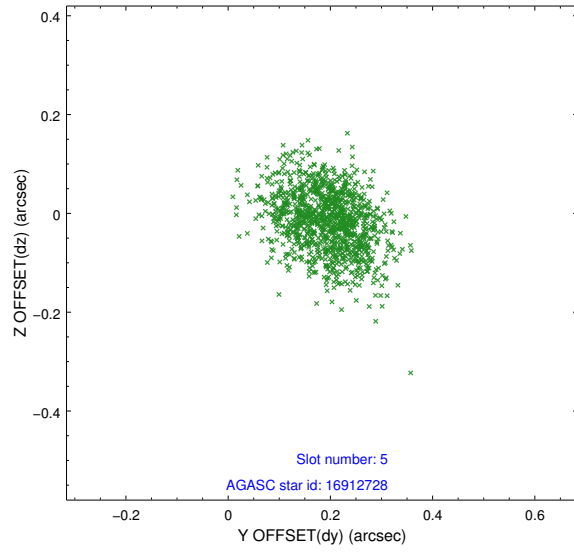
2.4.1 Slot 3



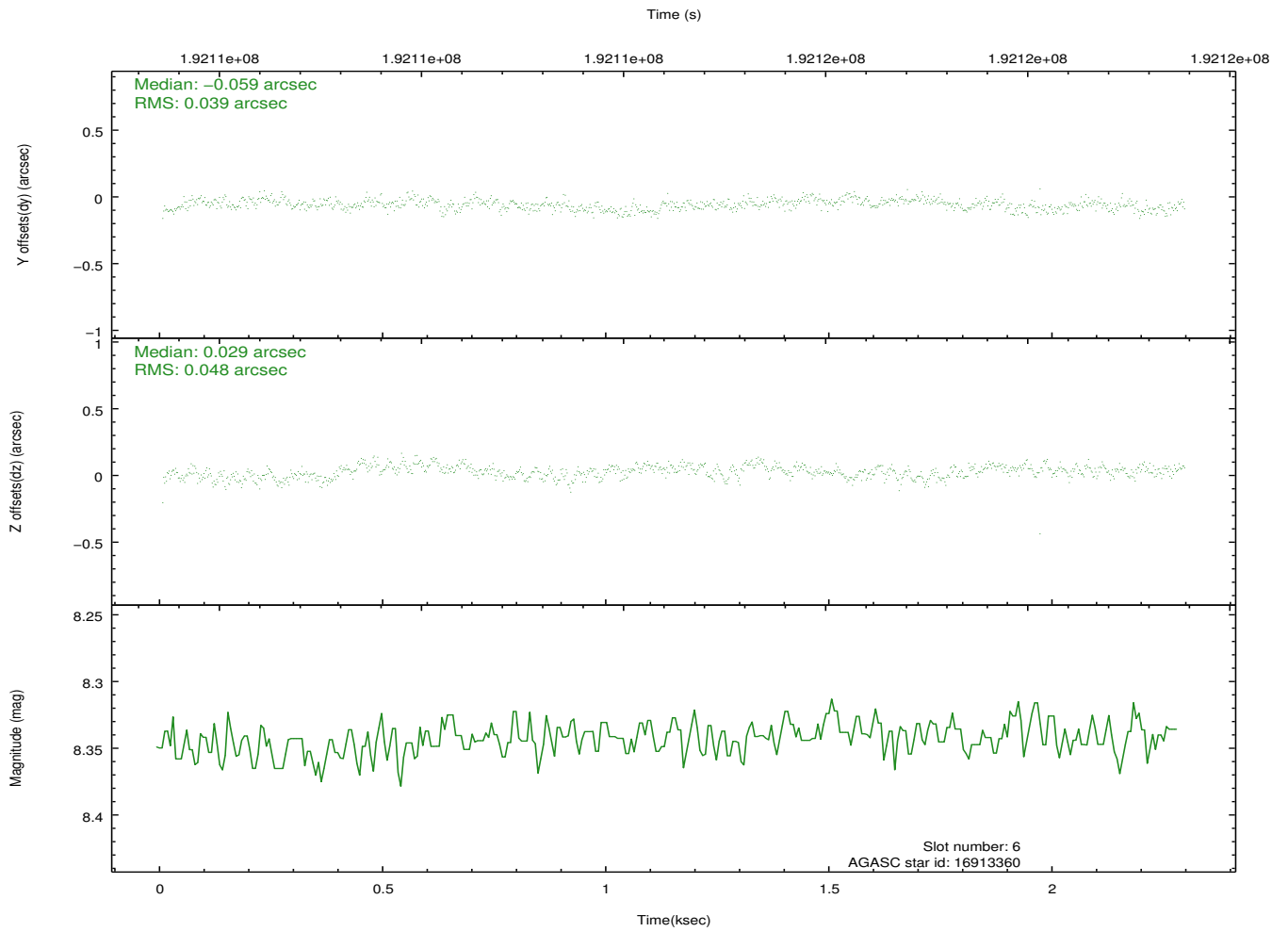
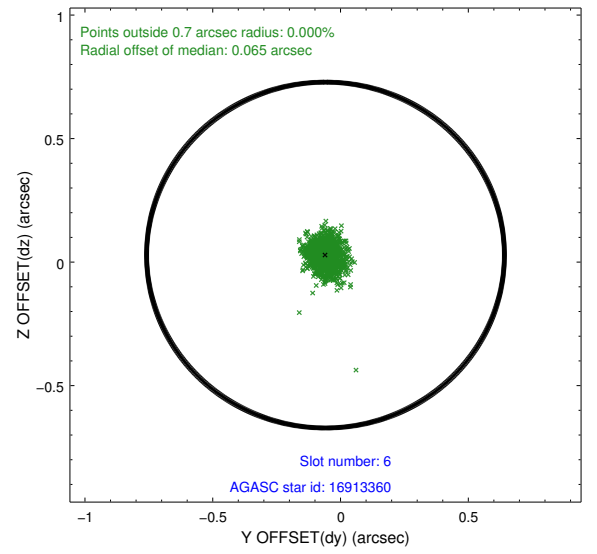
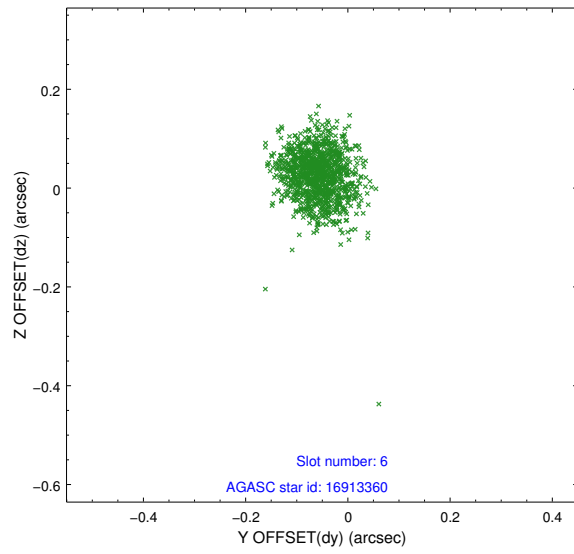
2.4.2 Slot 4



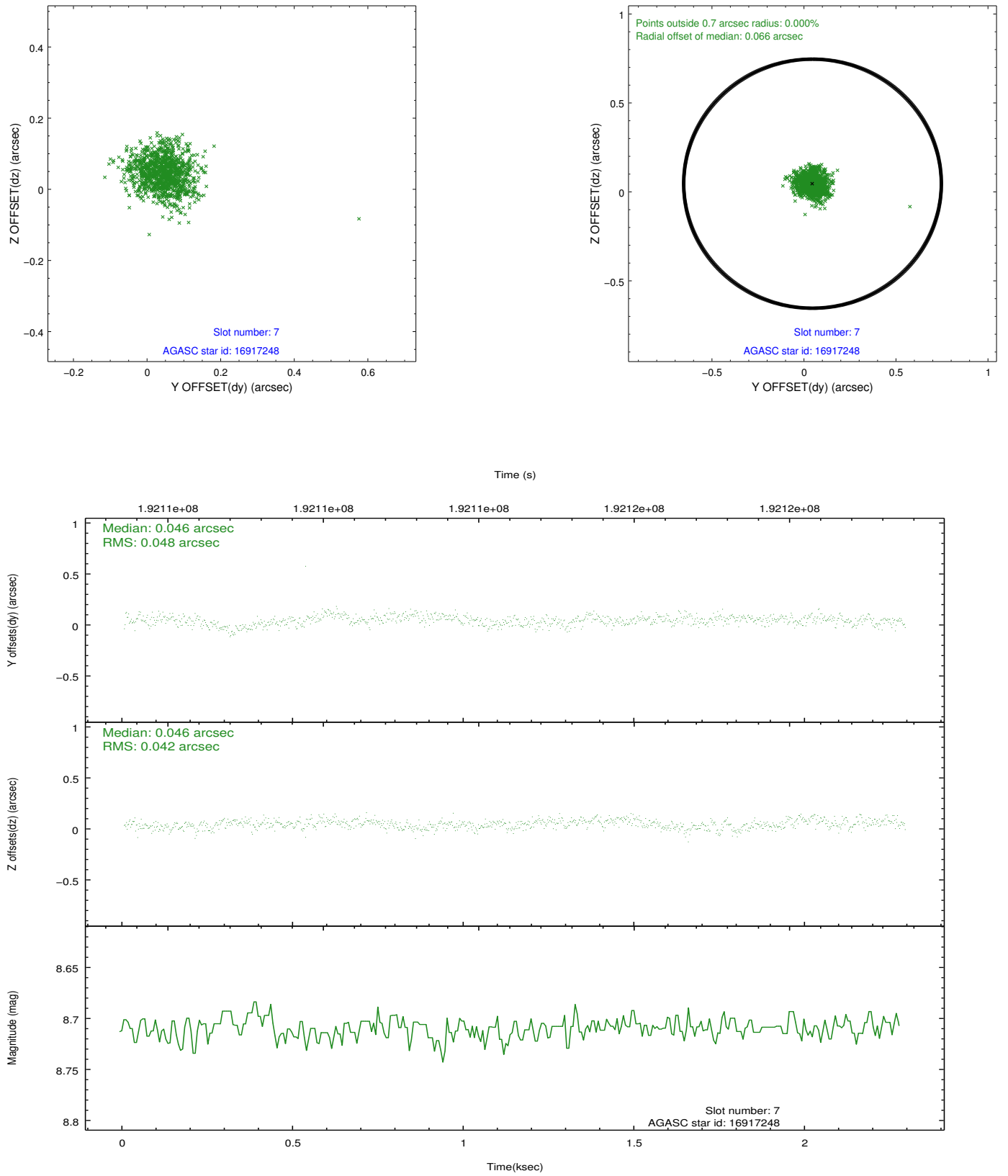
2.4.3 Slot 5



2.4.4 Slot 6

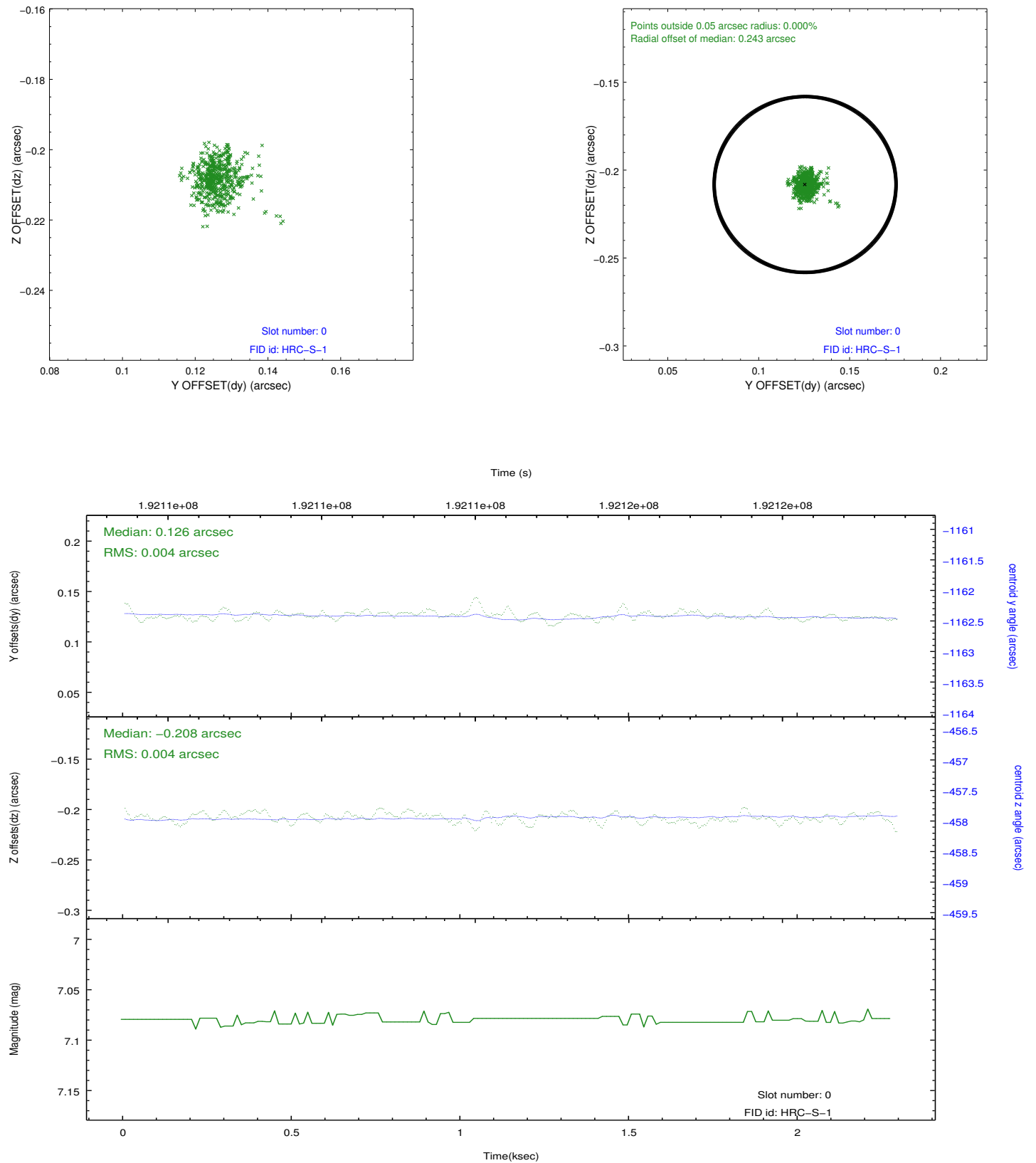


2.4.5 Slot 7

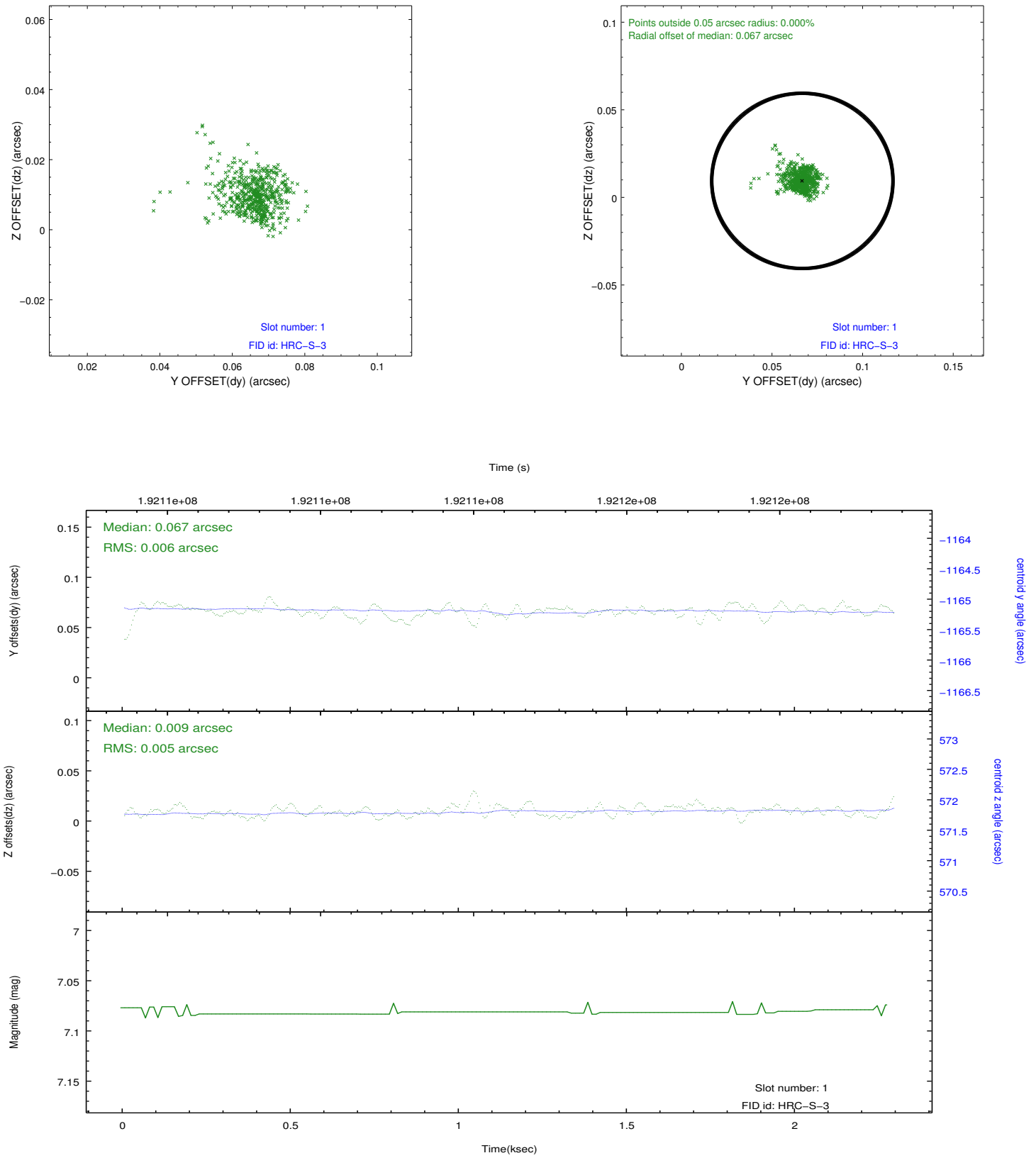


2.5 FID Slots

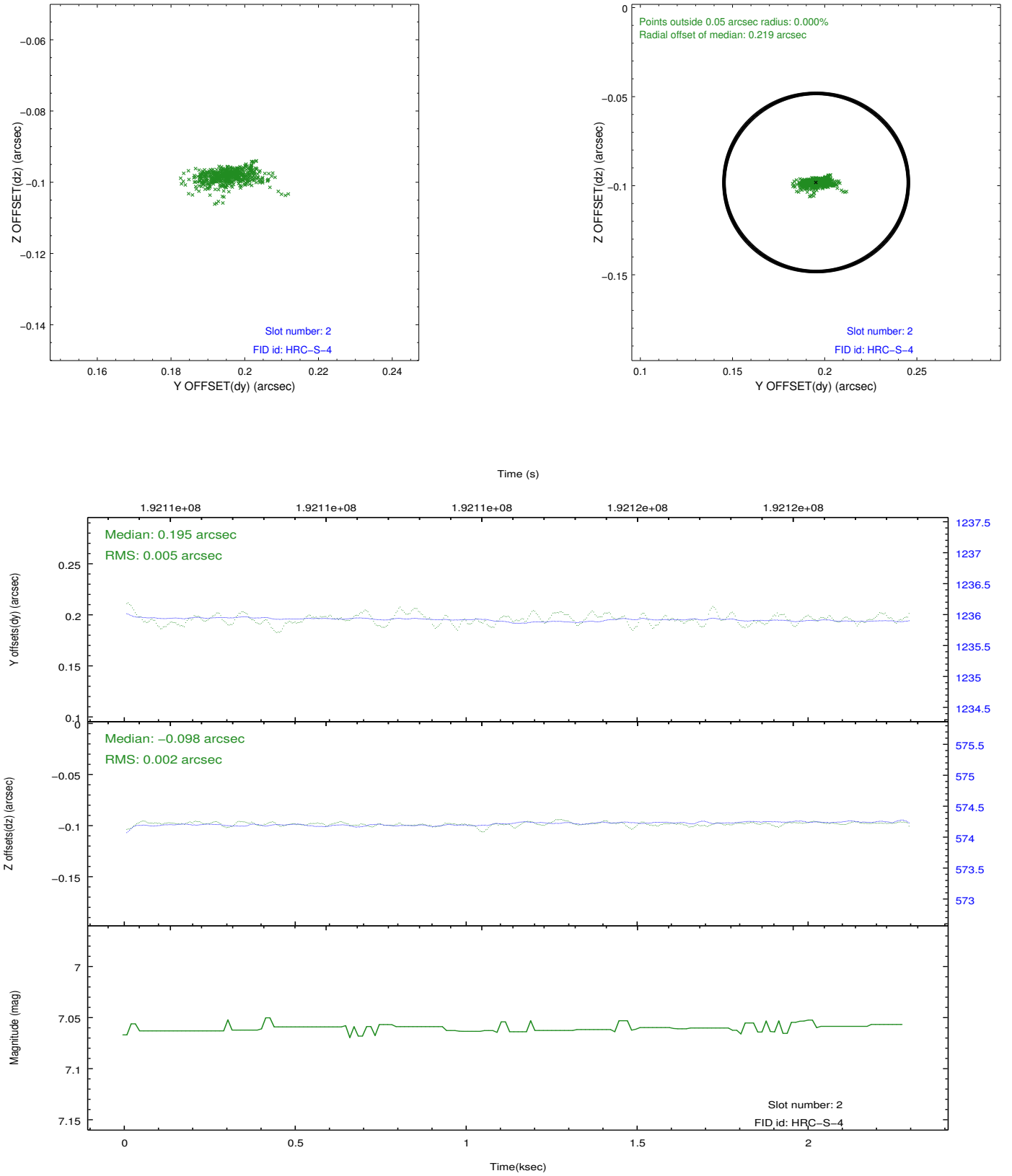
2.5.1 Slot 0



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)	2012.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.246

A.2 Comments

Window constraint satisfied.