

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2648 - L2 Version 3
Chandra X-Ray Center

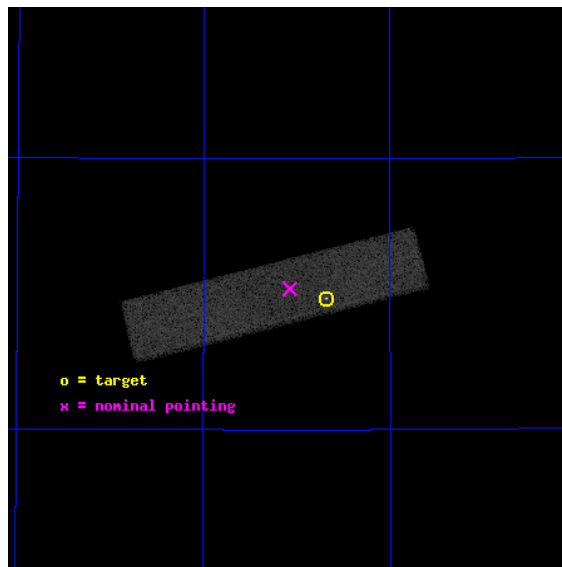
L2 Processing Date : Oct 11 2012

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1 Front

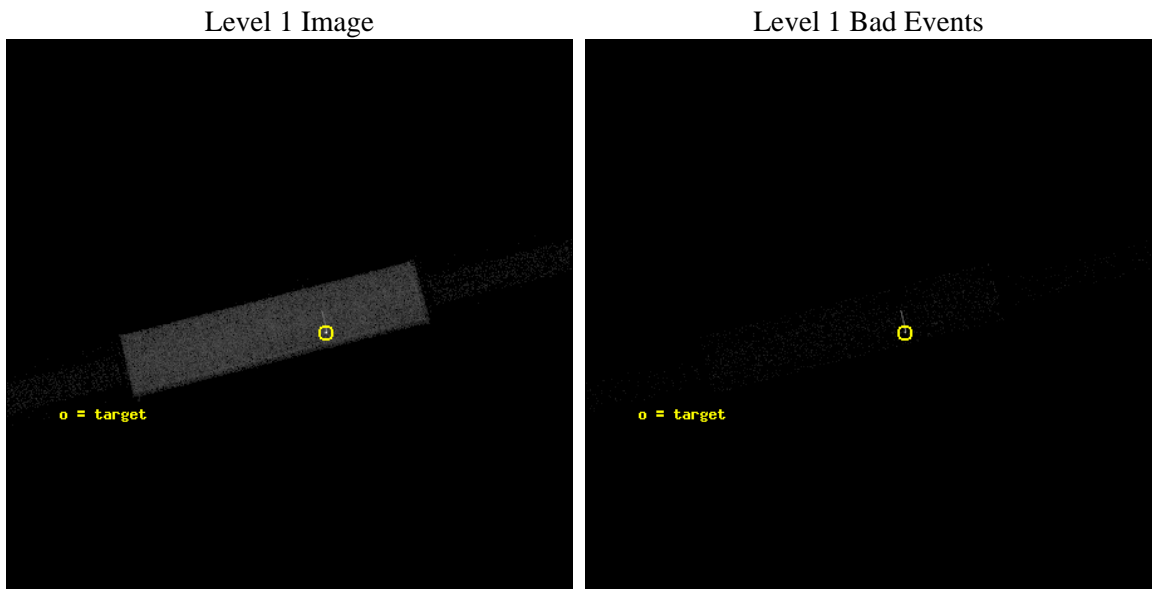
seq_num	290204	Sequence number
obs_id	2648	Observation id
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.26845585727	Nominal RA [deg]
dec_nom	45.760314273678	Nominal Dec [deg]
roll_nom	165.78132231151	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1140.0562969744	[s]
livetime	1133.4096195502	Ontime multiplied by DTCOR
l2events	46959	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	1140.0562969744	[s]
caldbver	4.5.2	 	l1events	78043	Number of level 1 events
date	2012-10-11T21:41:42	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

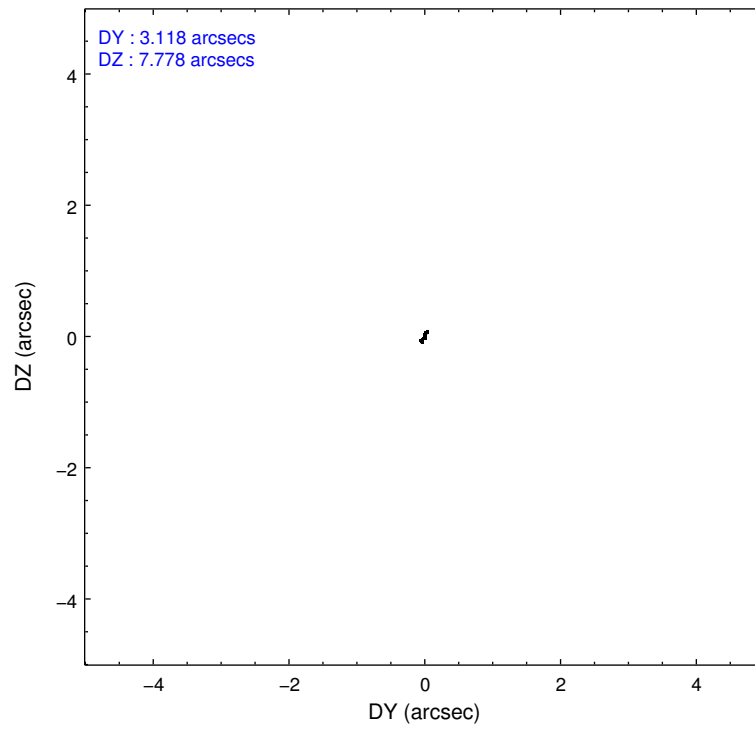
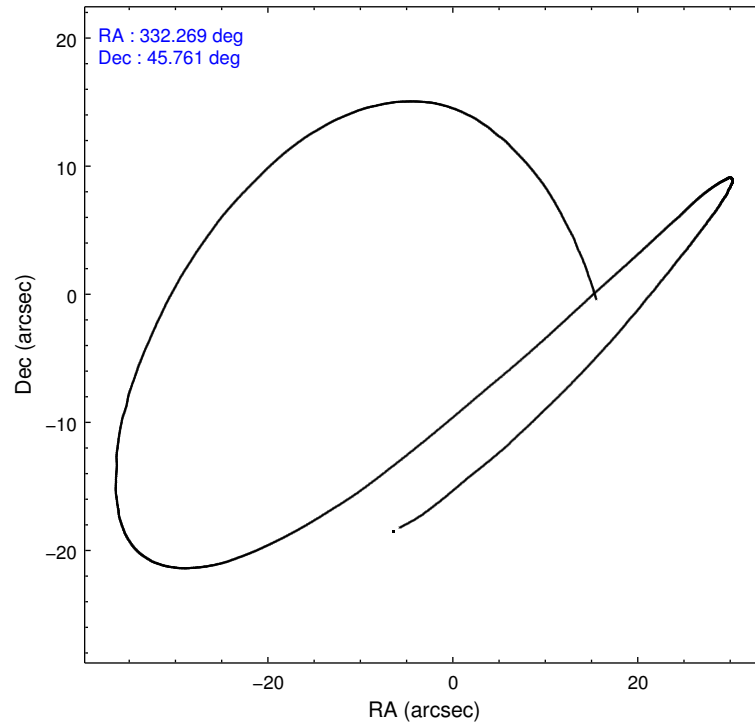
Level 1 Events

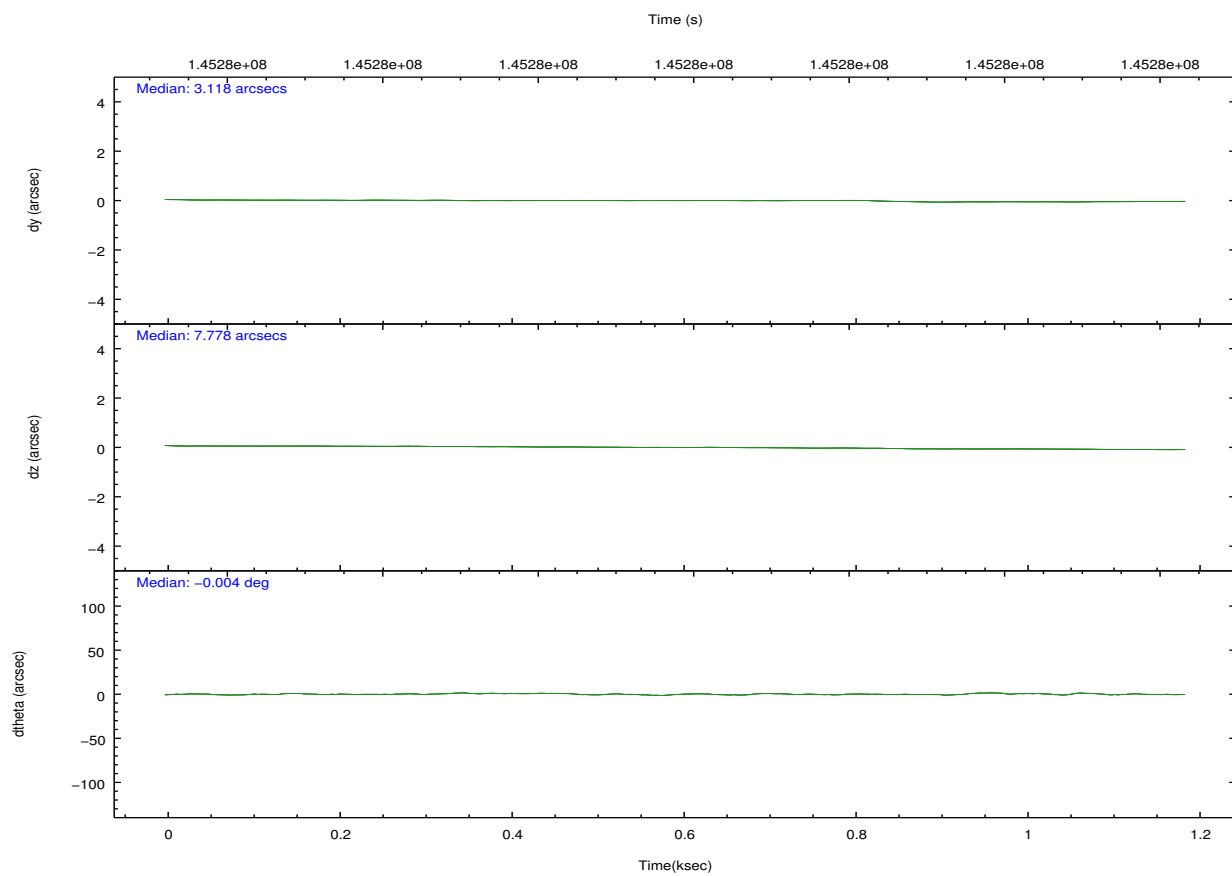
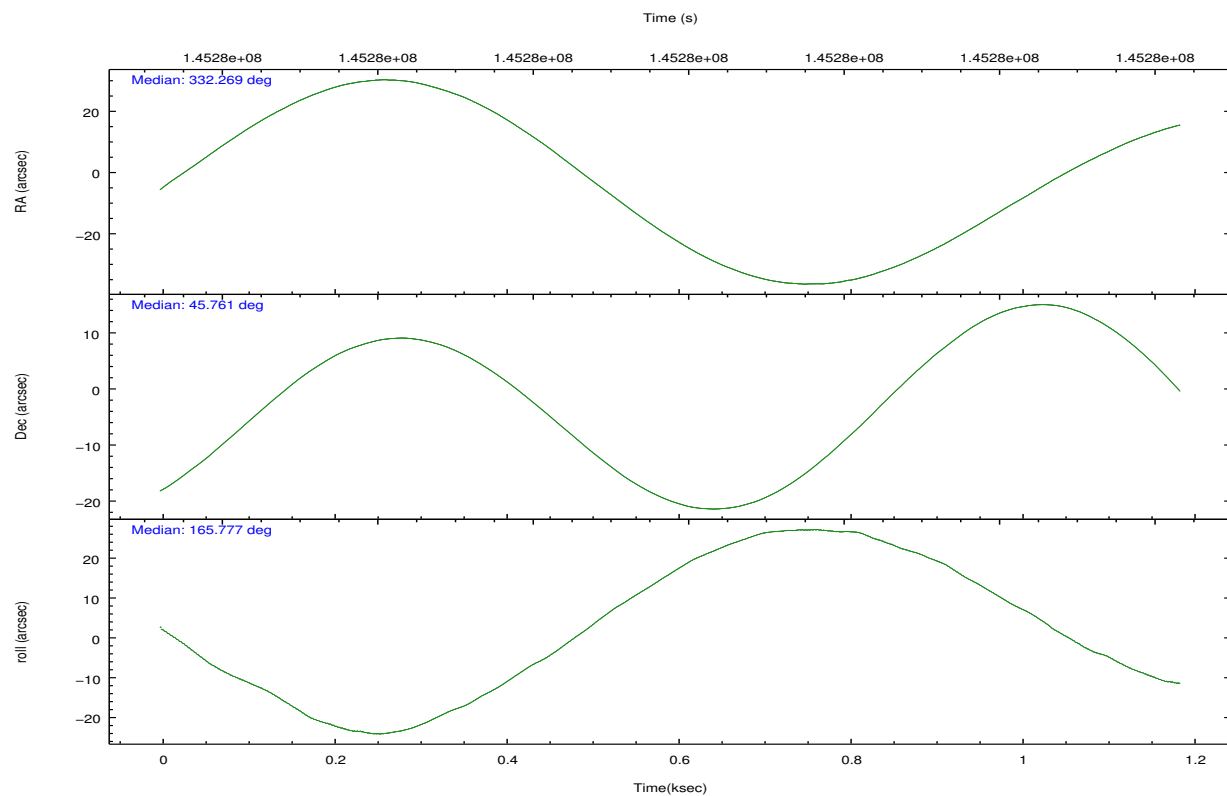
	segment 1	segment 2	segment 3
level 1 events	1986	74233	1824
rejected events	1986	18128	1824
rejected %	100%	24%	100%

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	332.306760	332.2684558572681			
[deg] Pointing Dec	45.768604	45.76031427367833			
[deg] Pointing Roll	165.686524	165.7813223115135			
[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)	145283768.184000	145283392.02428			
Observation start date	2002-08-09T12:35:04	2002-08-09T12:29:52			
[s] Observation end time (MET)	145284768.184000	145284901.84934			
Observation end date	2002-08-09T12:51:44	2002-08-09T12:55:01			

2.3 Aspect



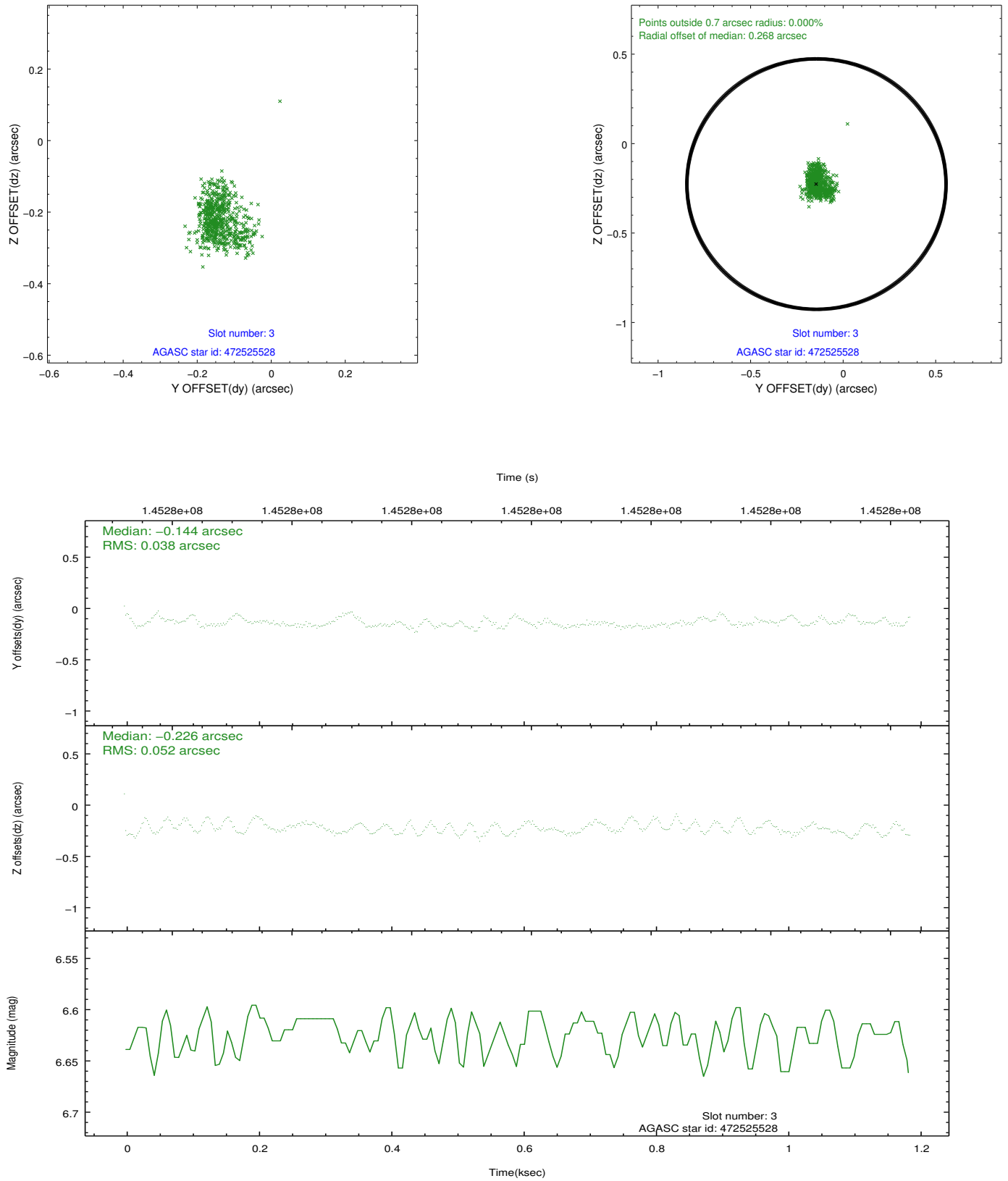


Slot Statistics

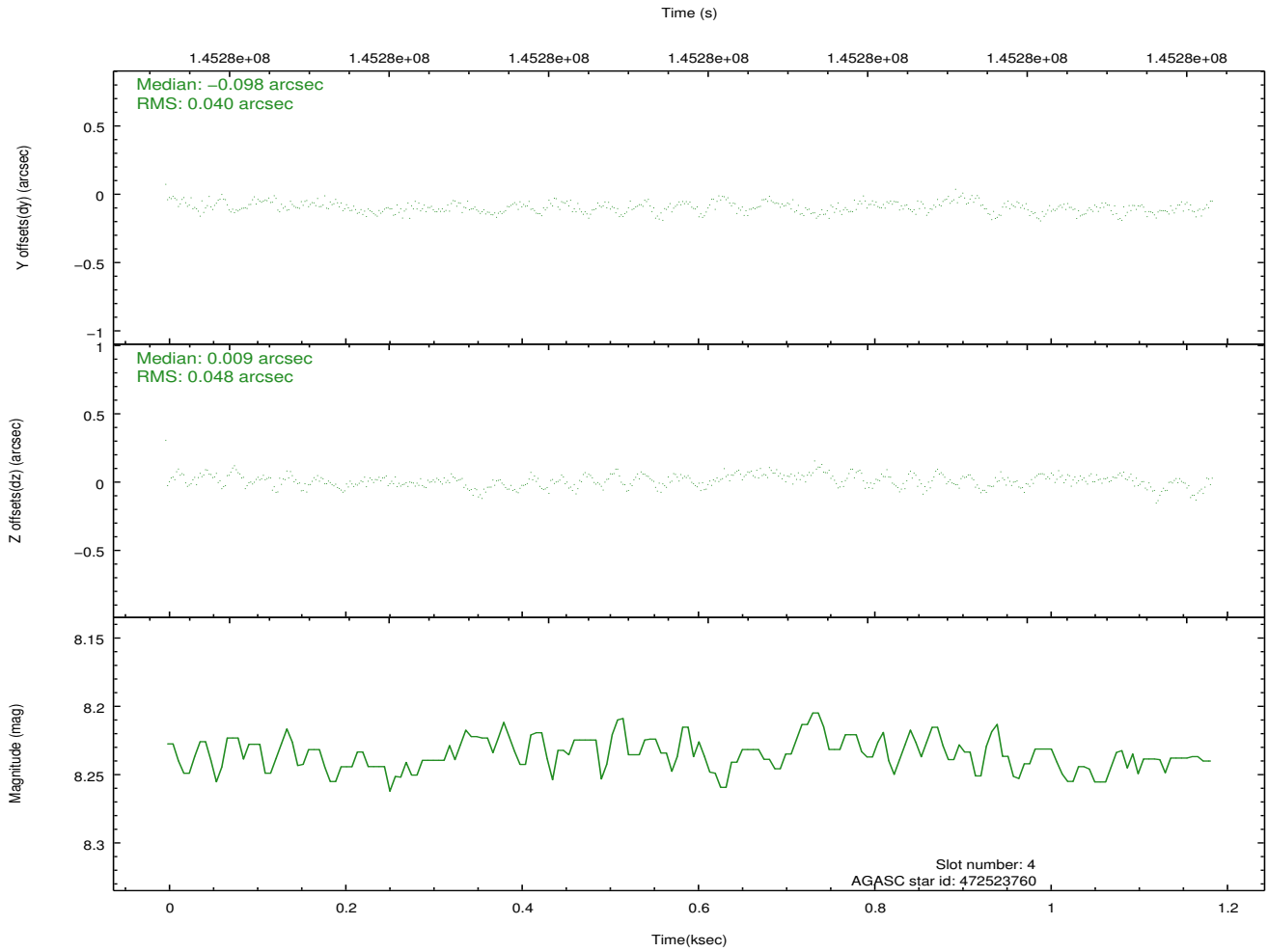
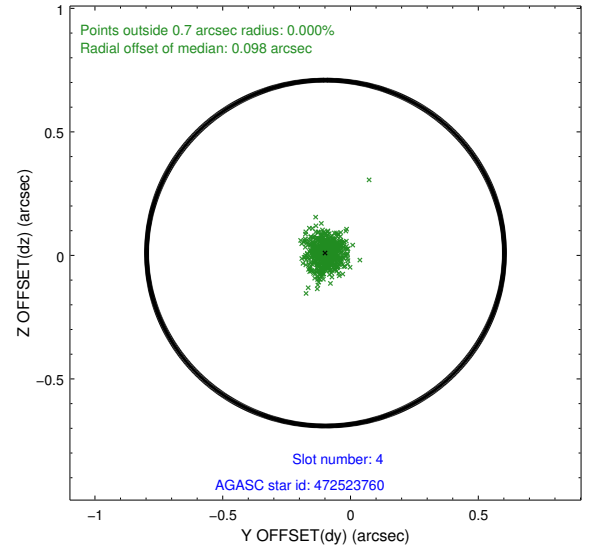
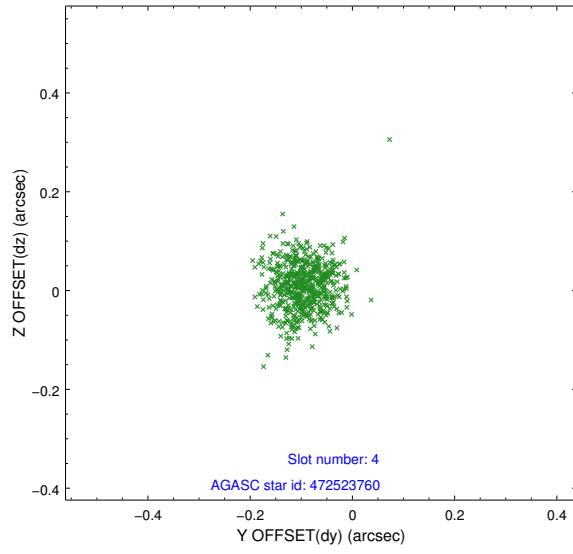
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	290	0.155	-0.091	0.005	0.010	0.000000	0.000000	-1157.12	-456.33
1	FID	HRC-S-2	7.01	290	0.085	-0.092	0.005	0.009	0.000000	0.000000	1238.50	-450.50
2	FID	HRC-S-3	7.04	290	0.151	-0.118	0.006	0.011	0.000000	0.000000	-1155.59	571.62
3	GUIDE	472525528	6.62	580	-0.144	-0.226	0.068	0.110	331.551102	45.248694	1394.71	2281.62
4	GUIDE	472523760	8.23	580	-0.098	0.009	0.065	0.101	331.645363	45.403260	1298.31	1688.48
5	GUIDE	472660976	8.60	580	0.018	0.075	0.064	0.104	333.433329	46.196713	-2332.12	-2200.55
6	GUIDE	472665256	9.01	578	0.164	0.191	0.071	0.111	332.808125	46.195041	-834.18	-1800.52
7	GUIDE	472523568	9.35	579	0.062	-0.041	0.096	0.164	331.465966	45.371411	1707.80	1900.79

2.4 Star Slots

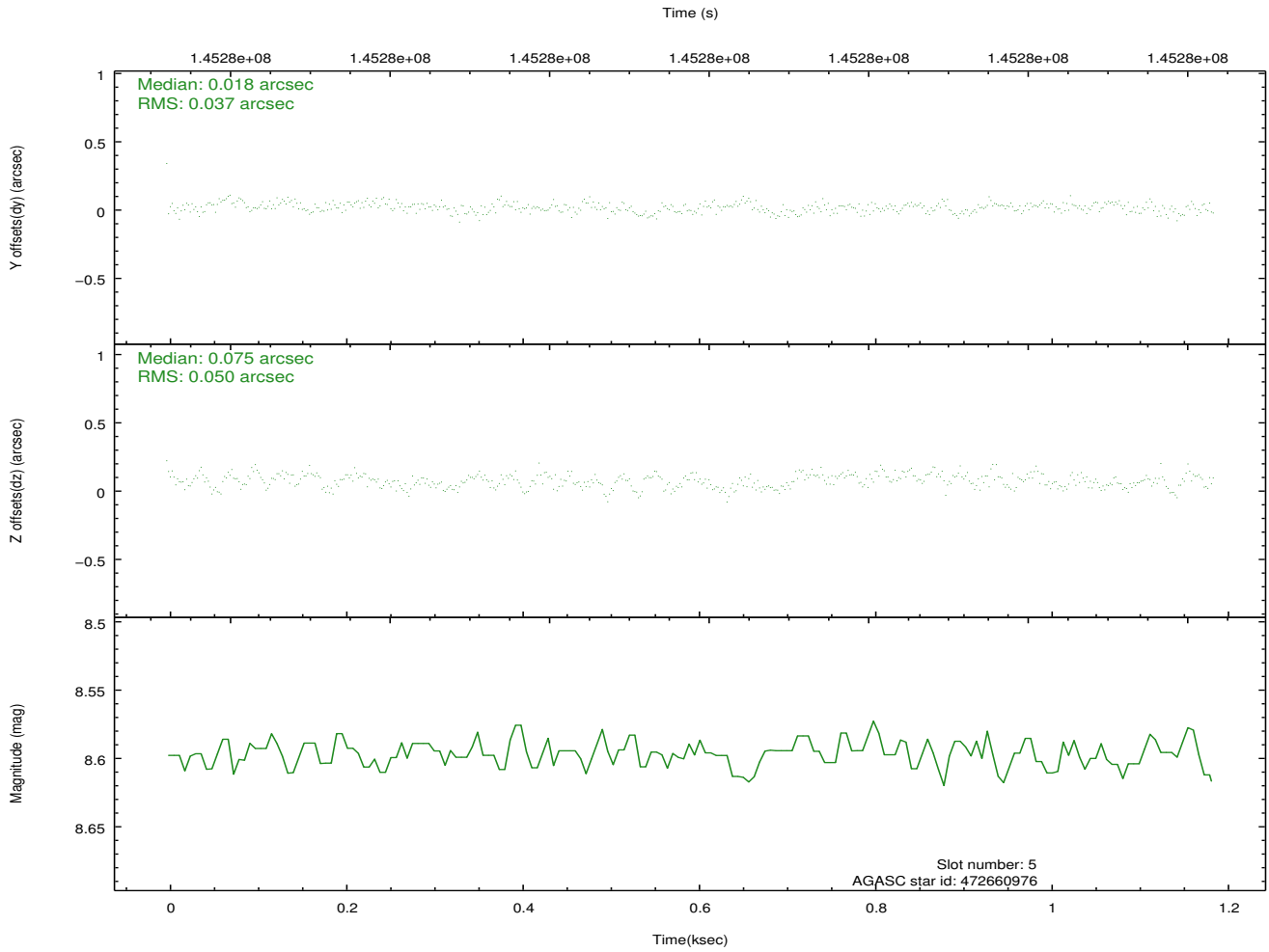
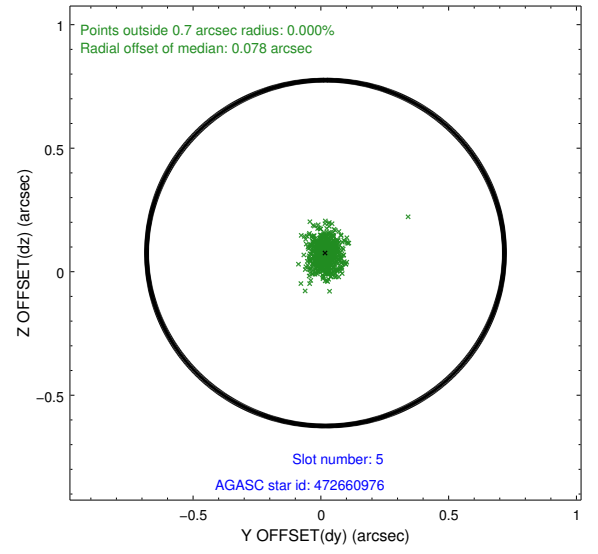
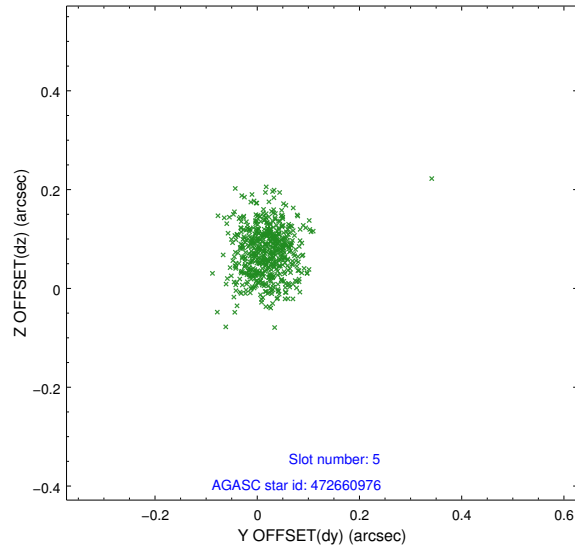
2.4.1 Slot 3



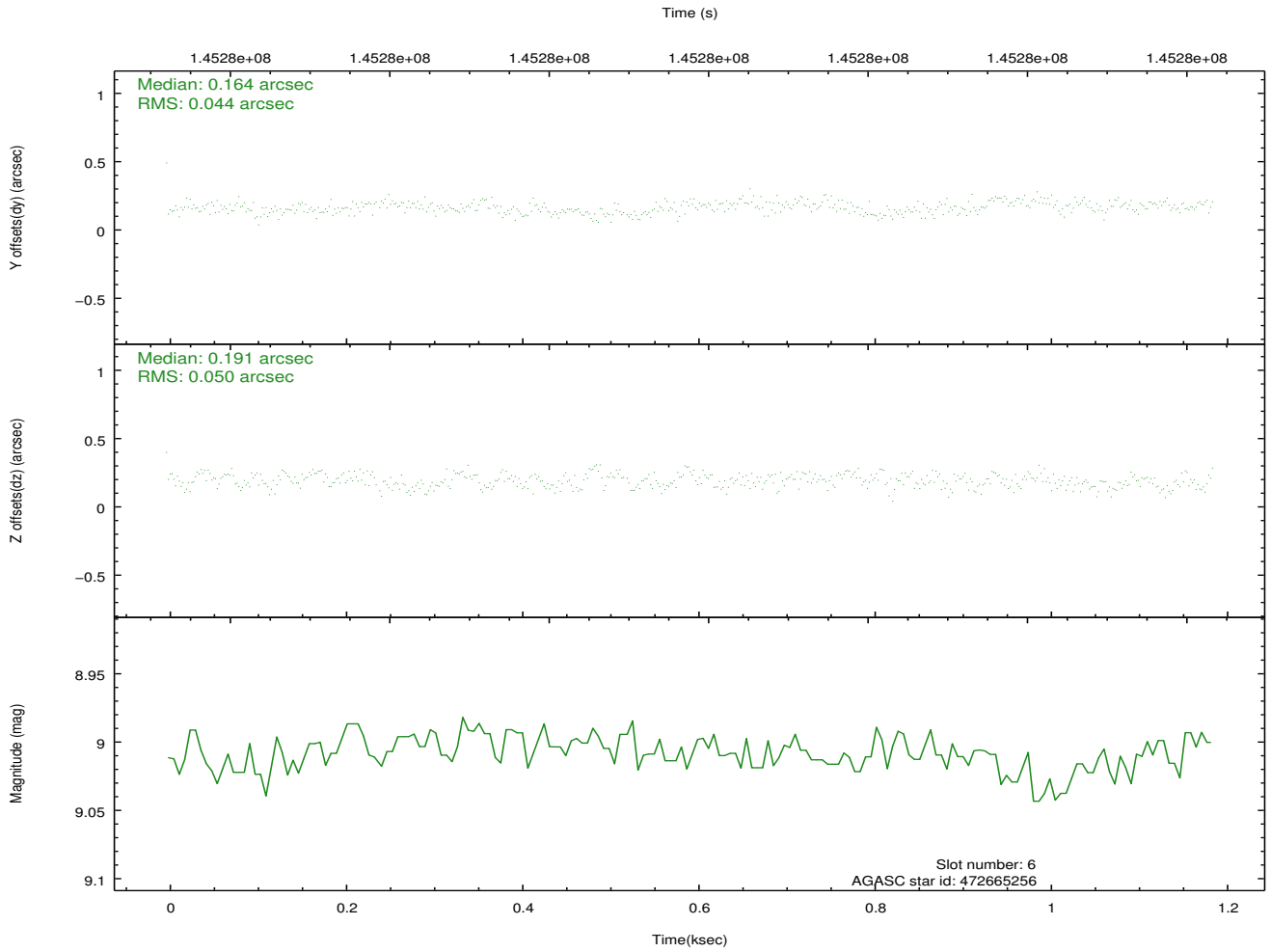
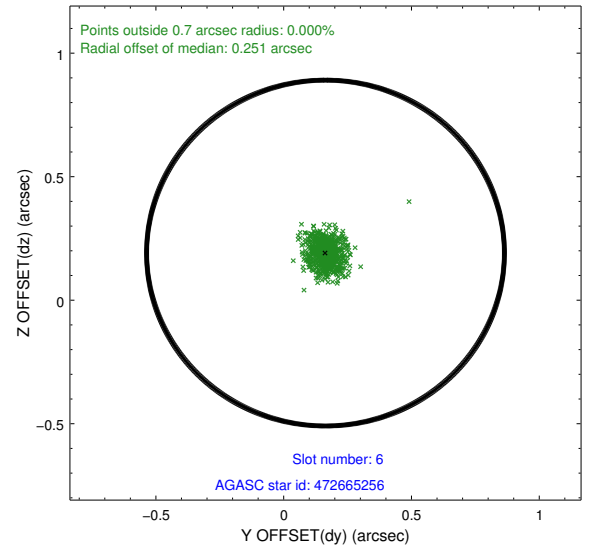
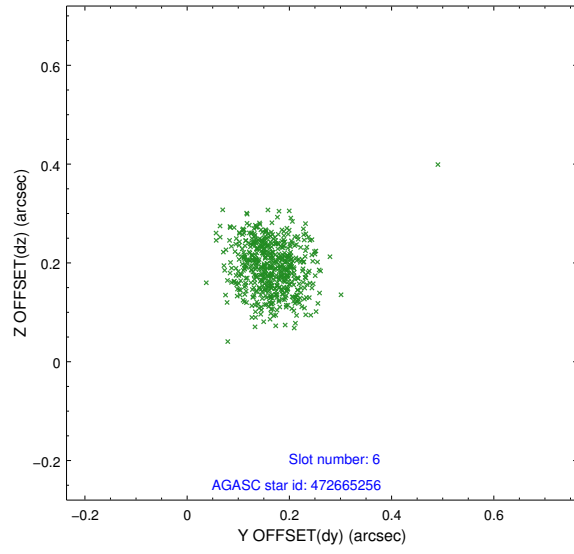
2.4.2 Slot 4



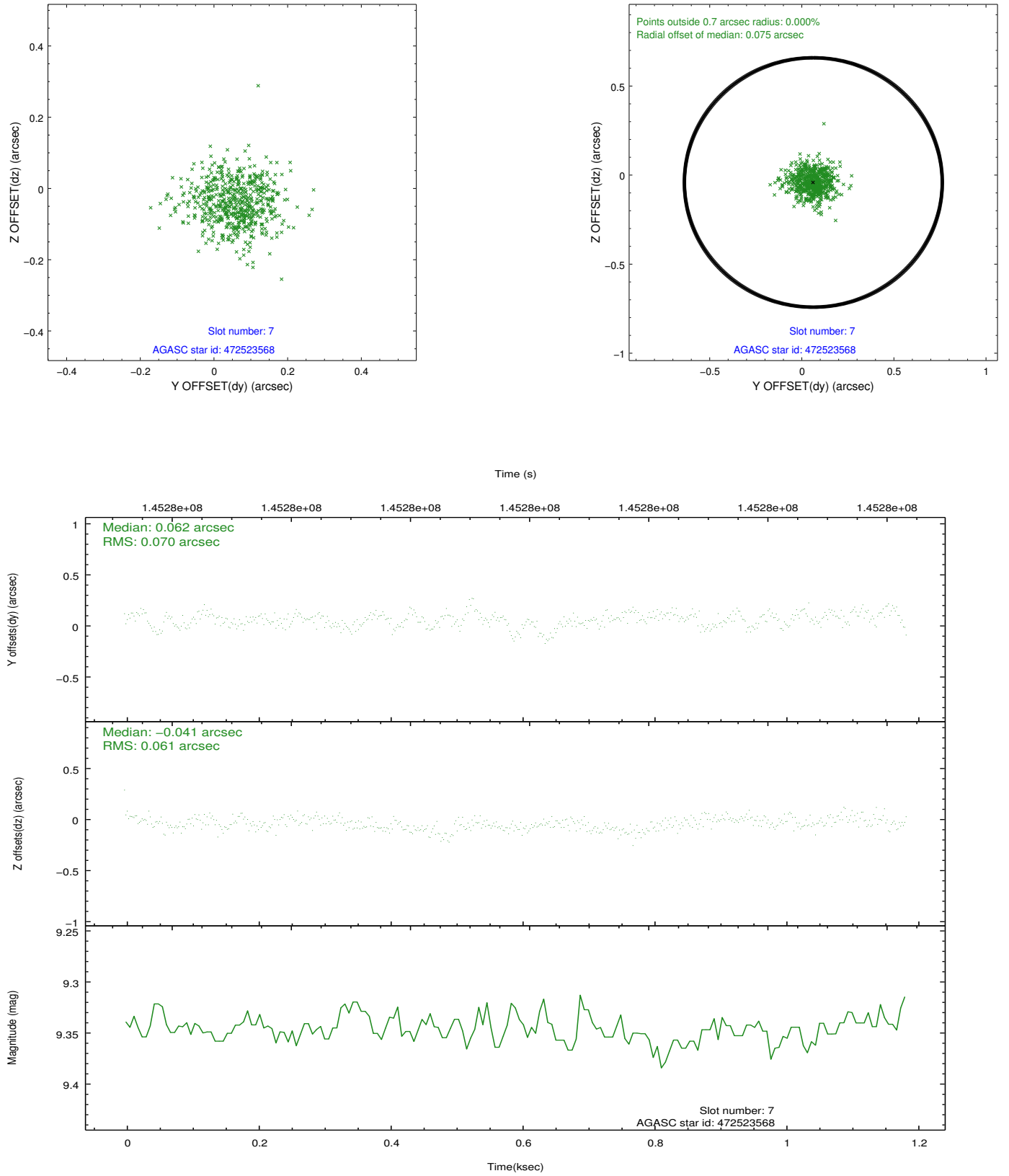
2.4.3 Slot 5



2.4.4 Slot 6

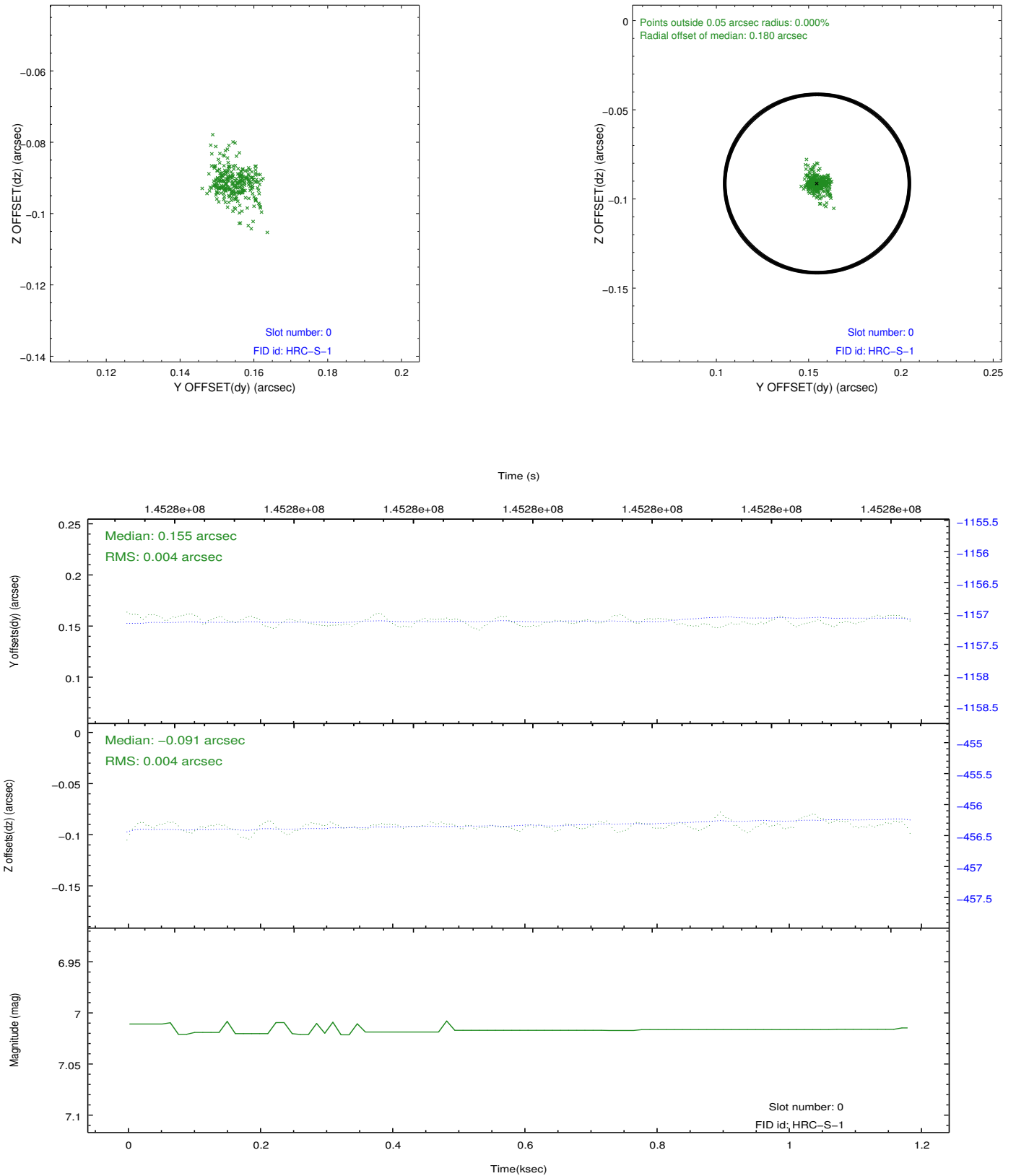


2.4.5 Slot 7

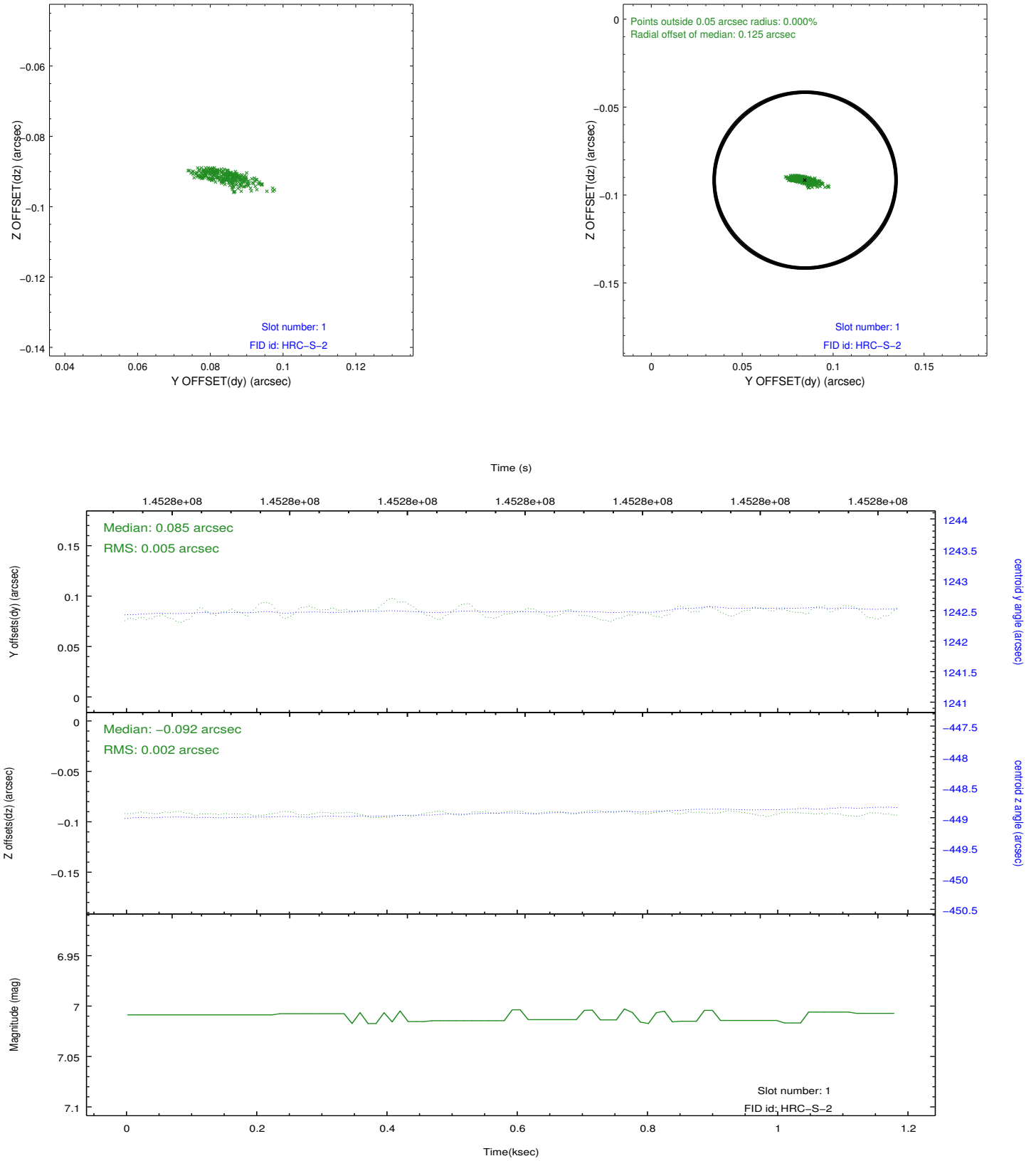


2.5 FID Slots

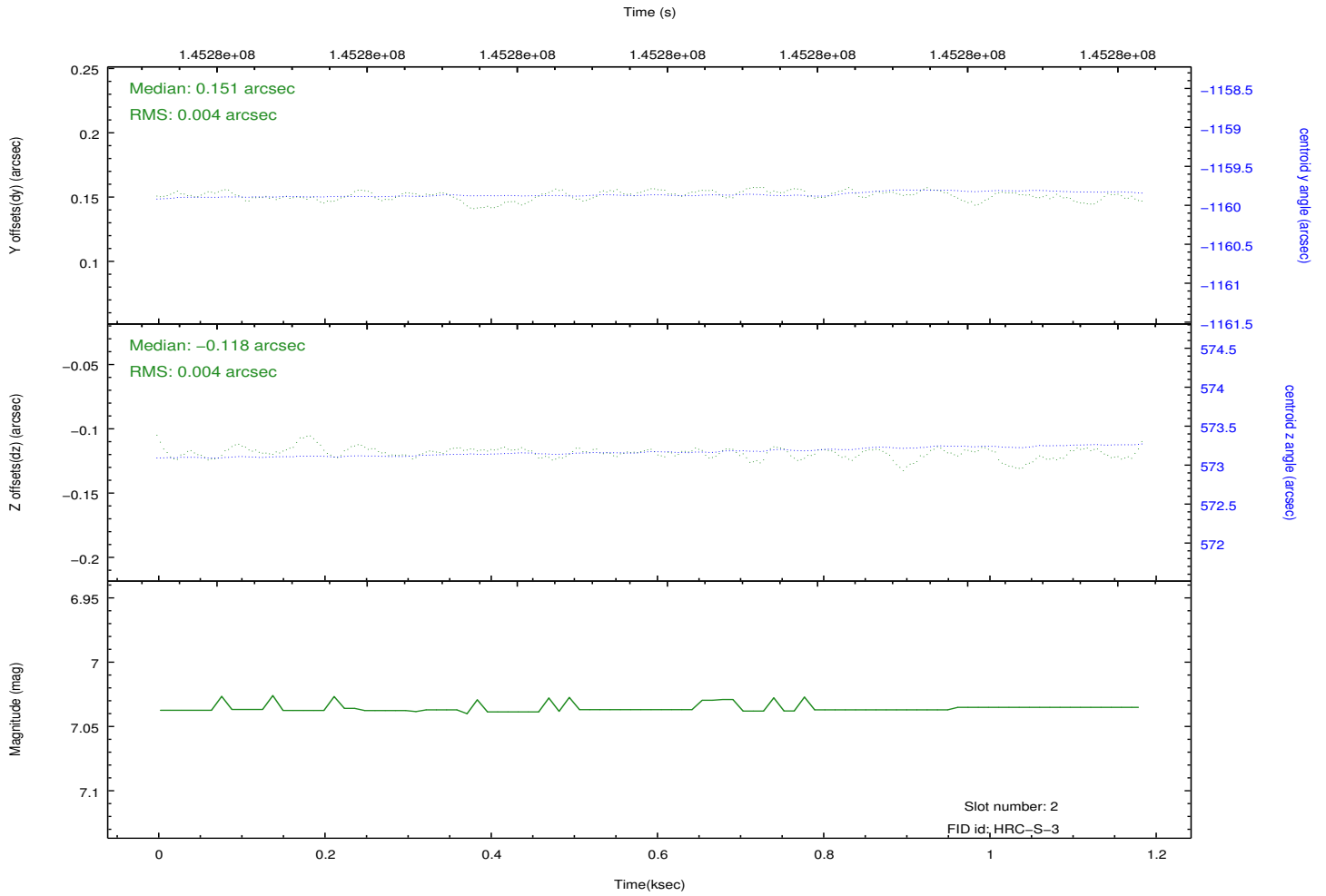
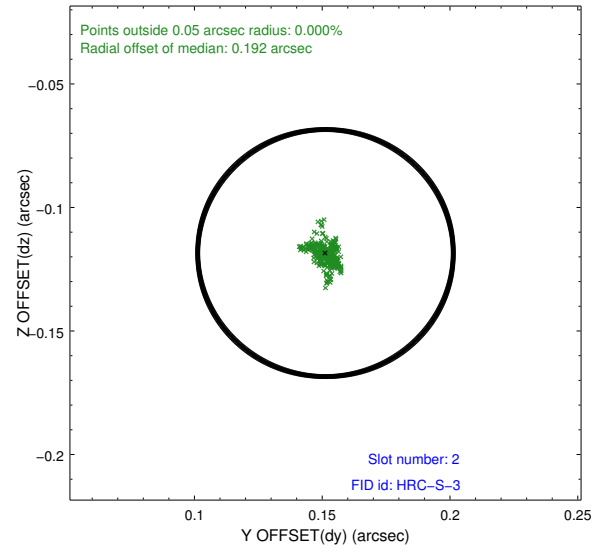
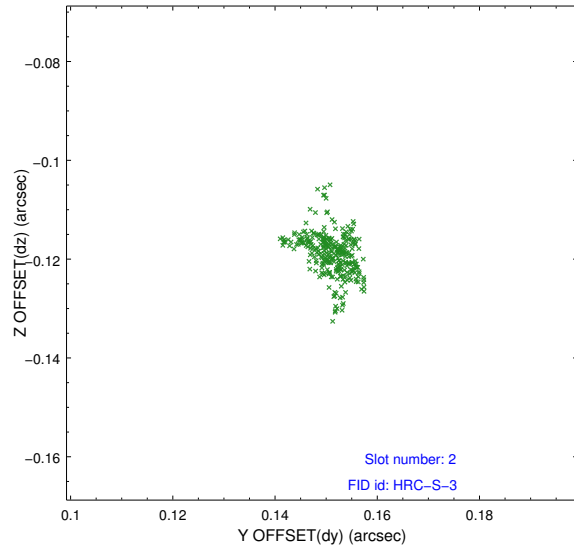
2.5.1 Slot 0



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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.179

A.2 Comments

Charge time: Charge time for this ObsId remains at previous value of 1.179 ks, although with the current processing the charge time would have been 1.14 ksec. Monitor constraint met.