

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2657 - L2 Version 001
Chandra X-Ray Center

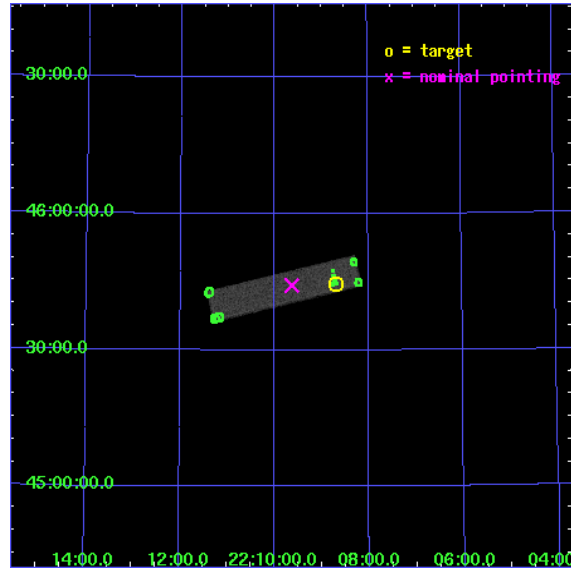
L2 Processing Date : Sep 30 2006

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1 Front

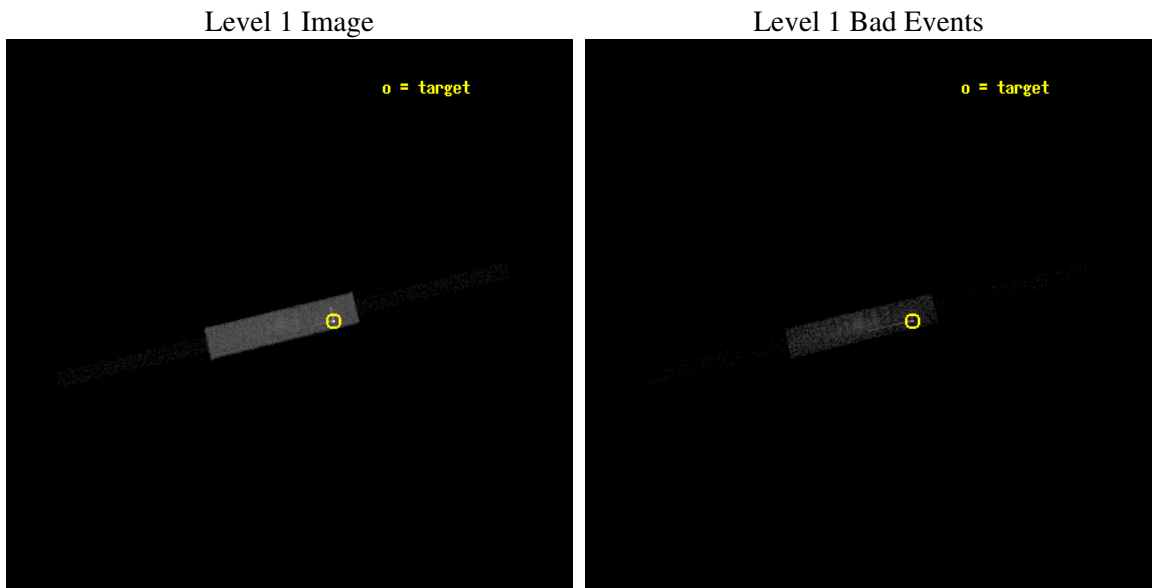
seq_num	290213
obs_id	2657
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.40675420527
dec_nom	45.737894141391
roll_nom	166.39614007904
revision	2
ontime	1143.1312970817
livetime	1137.5246614945
l2events	36650



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-30T12:51:28
revision	2

sched_exp_time	1000.000000
ontime	1189.2562989891
l1events	66155

2.1.3 Events

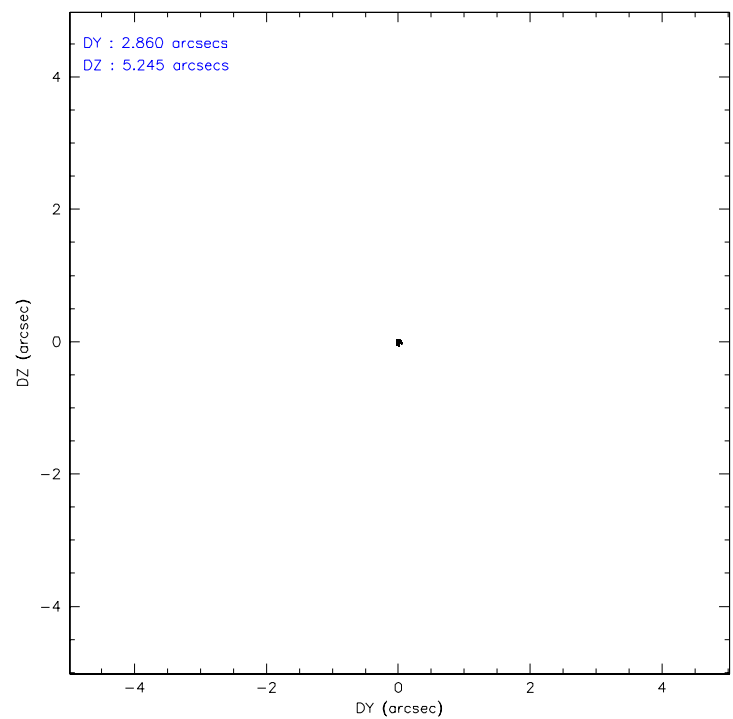
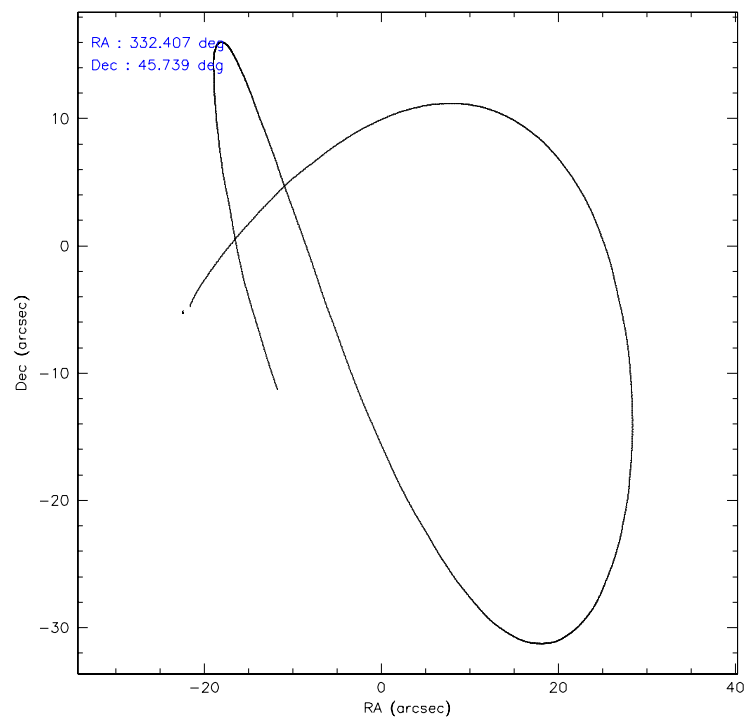
Level 1 Events

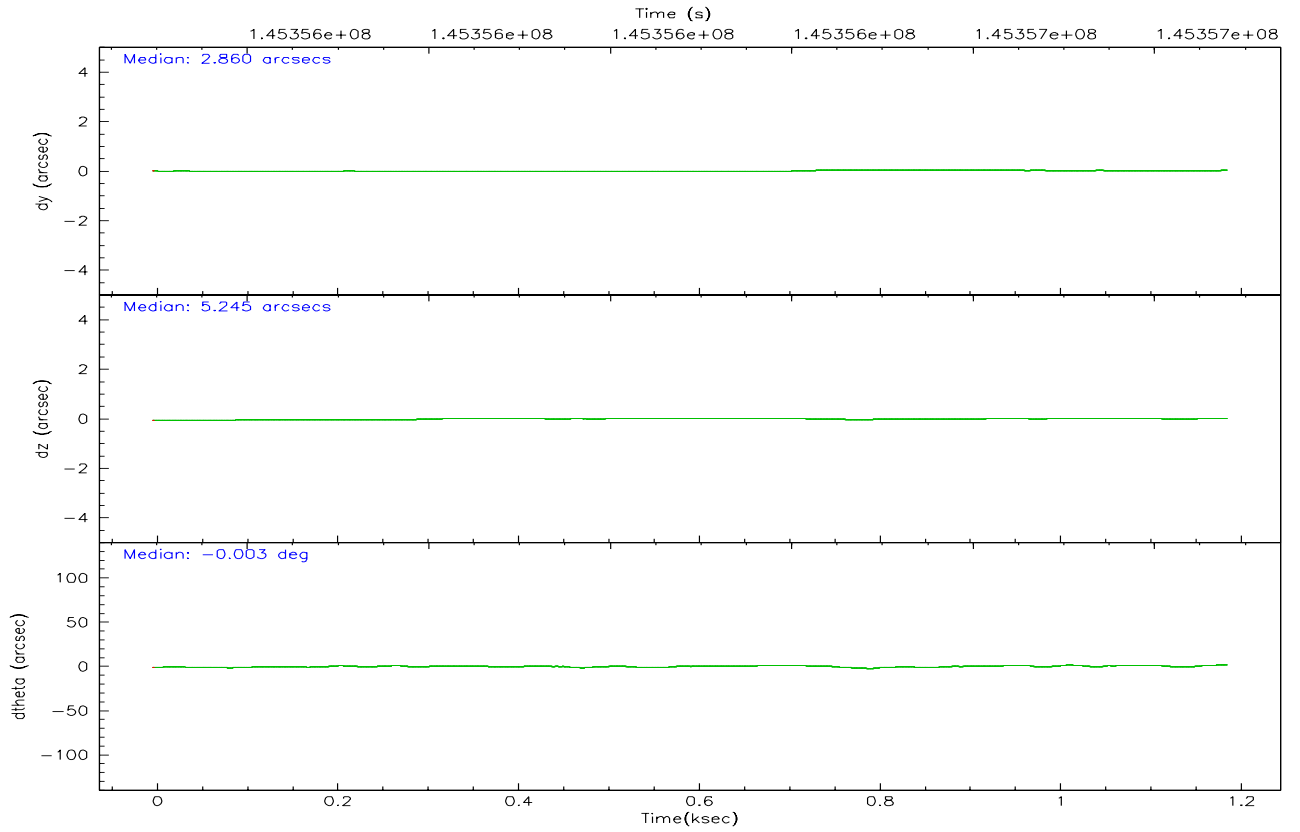
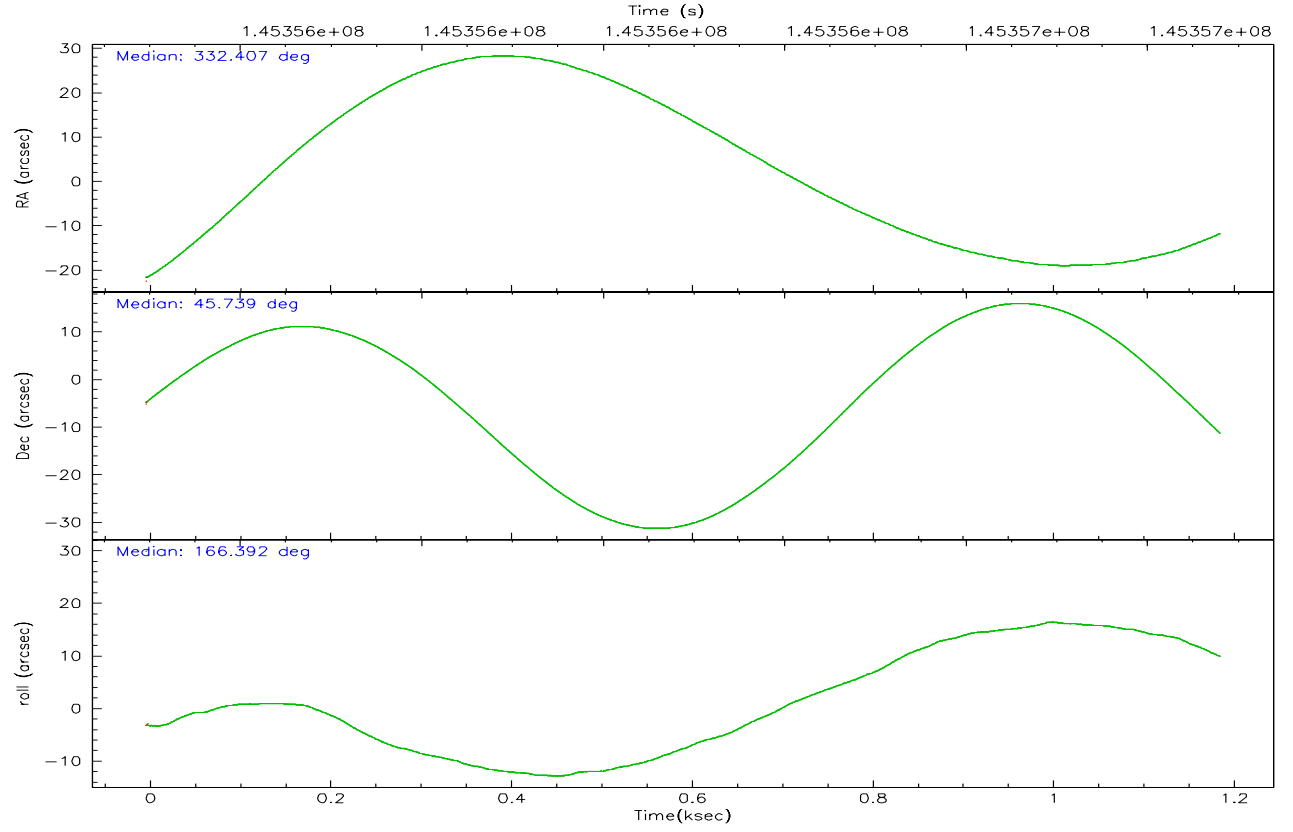
	segment 1	segment 2	segment 3
level 1 events	1033	64098	1024
rejected events	1033	24763	1024
rejected %	100%	38%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	332.445567	332.4067542052741			
Pointing Dec	45.746183	45.73789414139139			
Pointing Roll	166.301045	166.3961400790369			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	145355880.184000	145355504.36475			
Observation start date	2002-08-10T08:36:56	2002-08-10T08:31:44			
Observation end time	145356880.184000	145357014.18981			
Observation end date	2002-08-10T08:53:36	2002-08-10T08:56:54			

2.3 Aspect



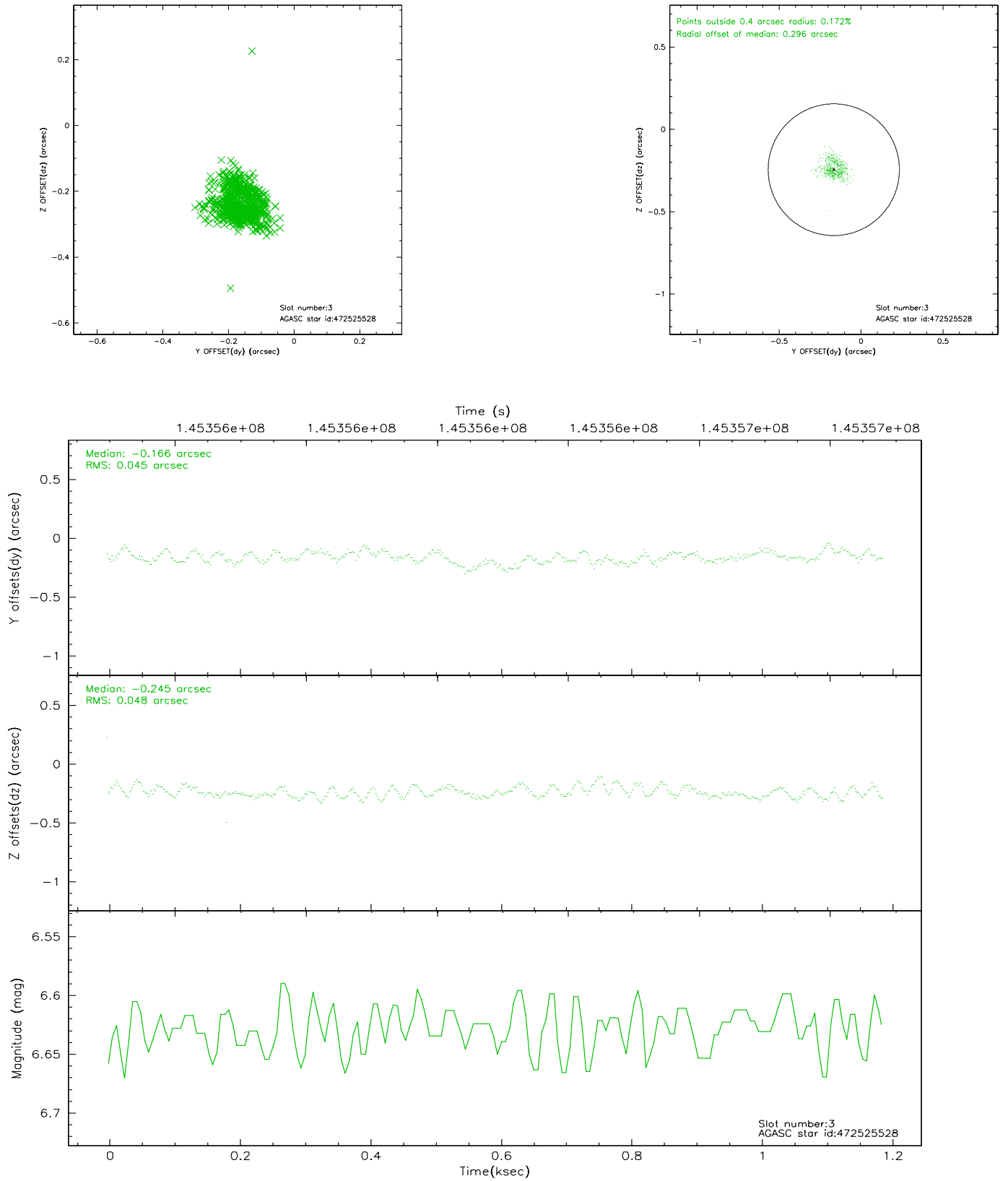


Slot Statistics

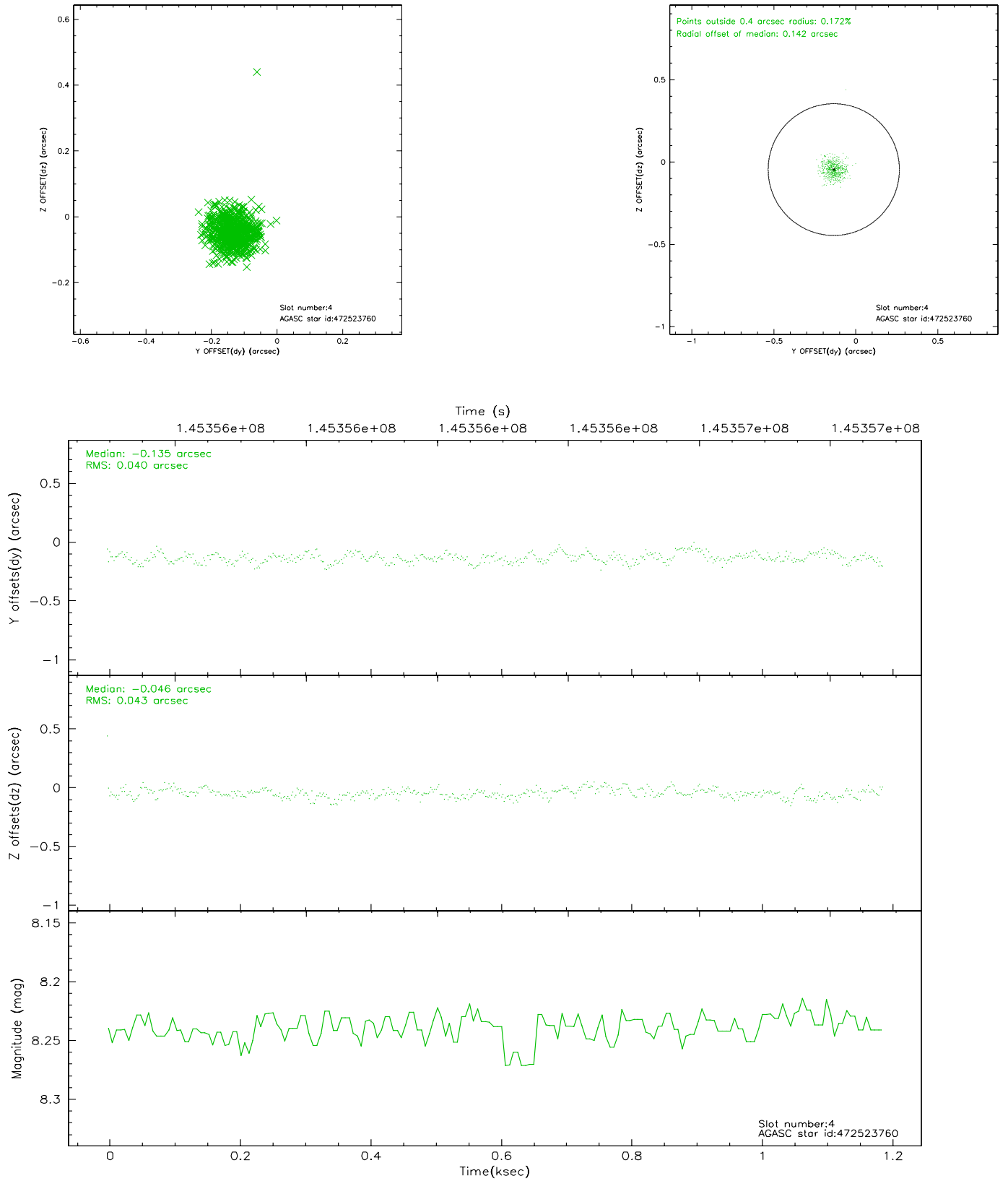
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	291	0.157	-0.160	0.007	0.013	0.000000	0.000000	-1156.89	-453.76
1	FID	HRC-S-2	6.98	291	0.097	-0.098	0.007	0.016	0.000000	0.000000	1238.75	-447.92
2	FID	HRC-S-3	7.01	291	0.135	-0.043	0.009	0.013	0.000000	0.000000	-1155.37	574.34
3	GUIDE	472525528	6.63	581	-0.166	-0.245	0.066	0.109	331.551102	45.248694	1781.34	2268.64
4	GUIDE	472523760	8.24	581	-0.135	-0.046	0.061	0.093	331.645363	45.403260	1678.15	1676.70
5	GUIDE	472660976	8.60	581	0.023	0.184	0.081	0.133	333.433329	46.196713	-2000.46	-2166.56
6	GUIDE	472665256	9.02	581	0.116	0.173	0.081	0.129	332.808125	46.195041	-497.65	-1785.37
7	GUIDE	472646552	9.62	580	0.163	-0.062	0.111	0.192	333.120915	45.571877	-1800.89	200.50

2.4 Star Slots

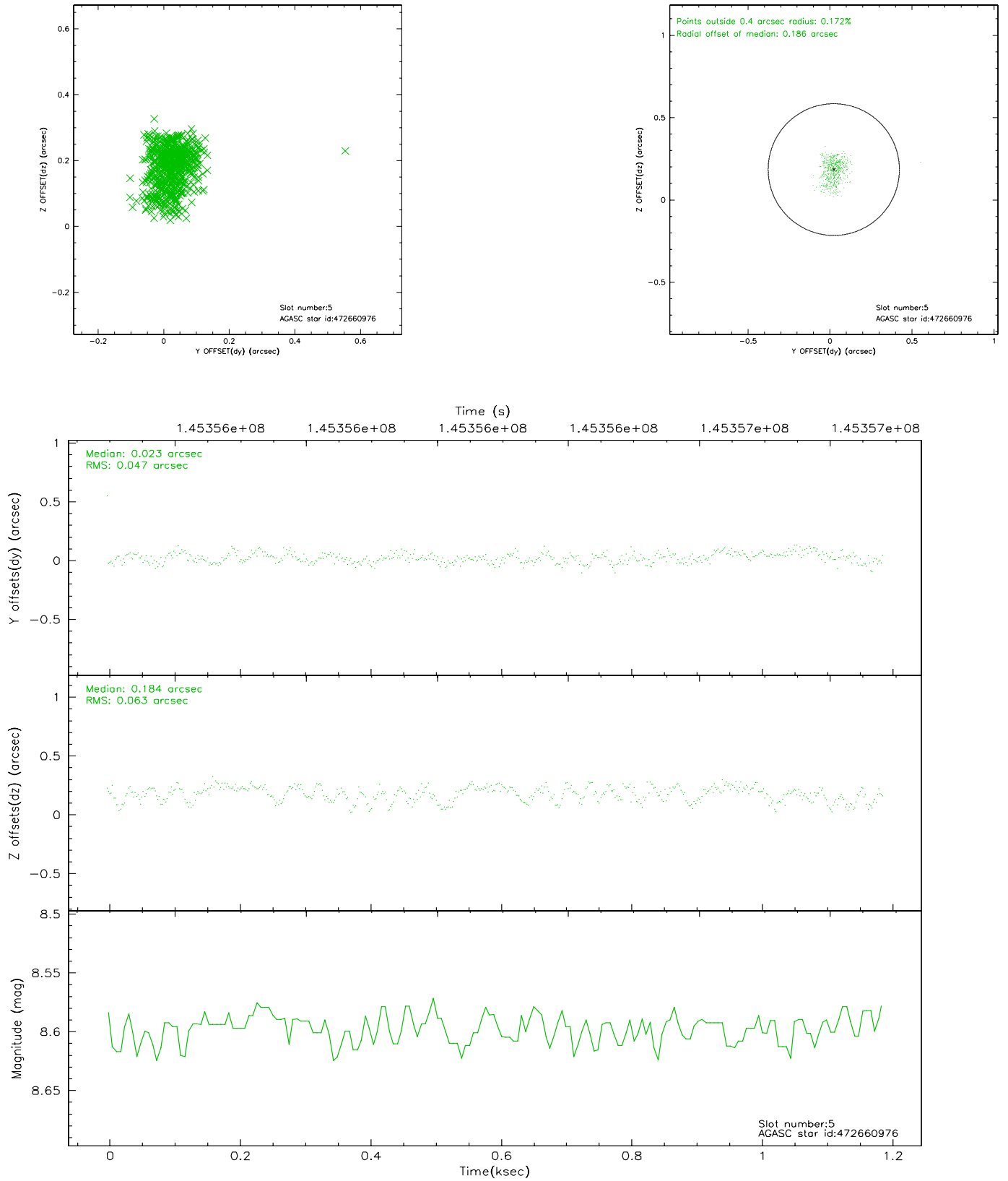
2.4.1 Slot 3



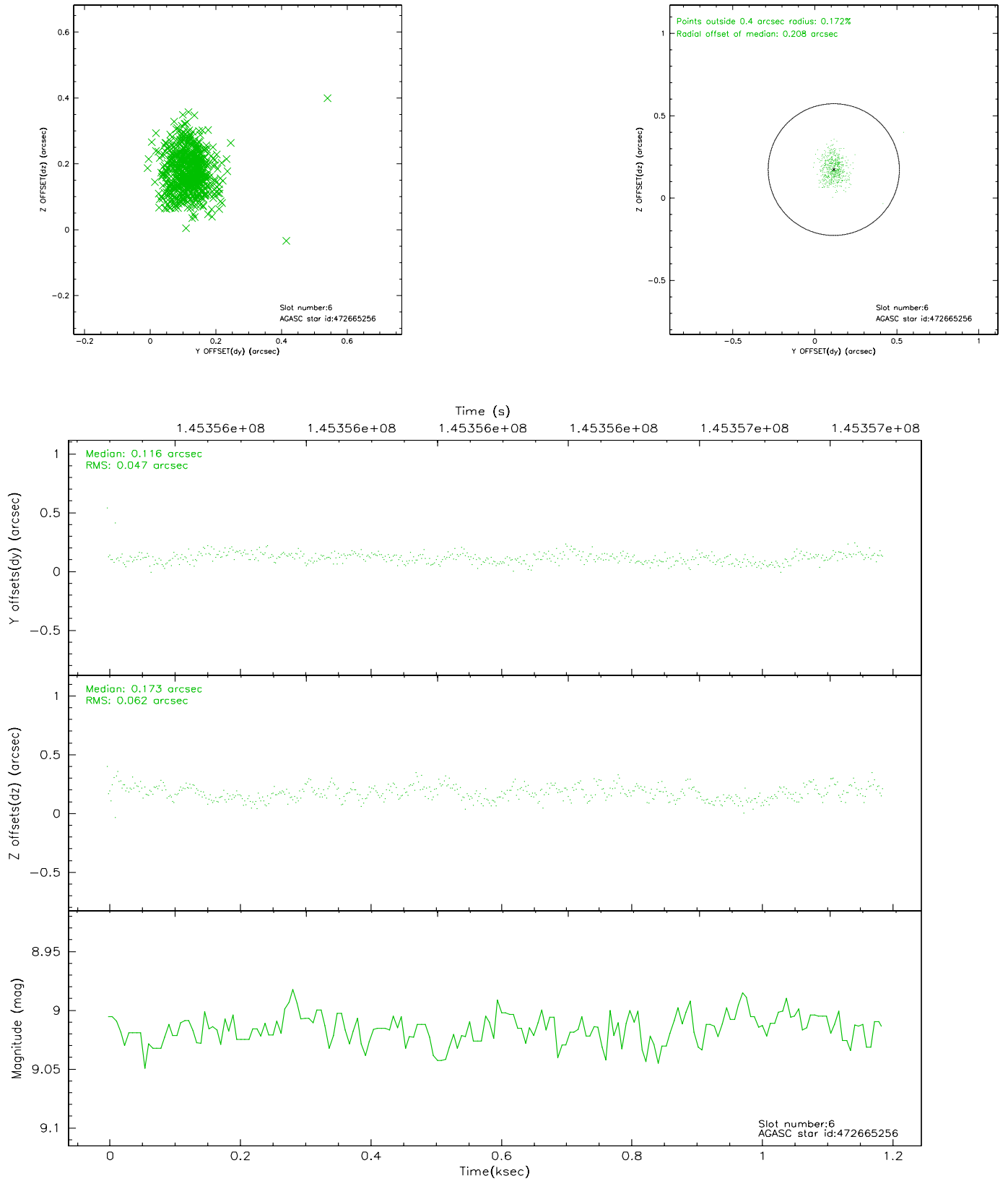
2.4.2 Slot 4



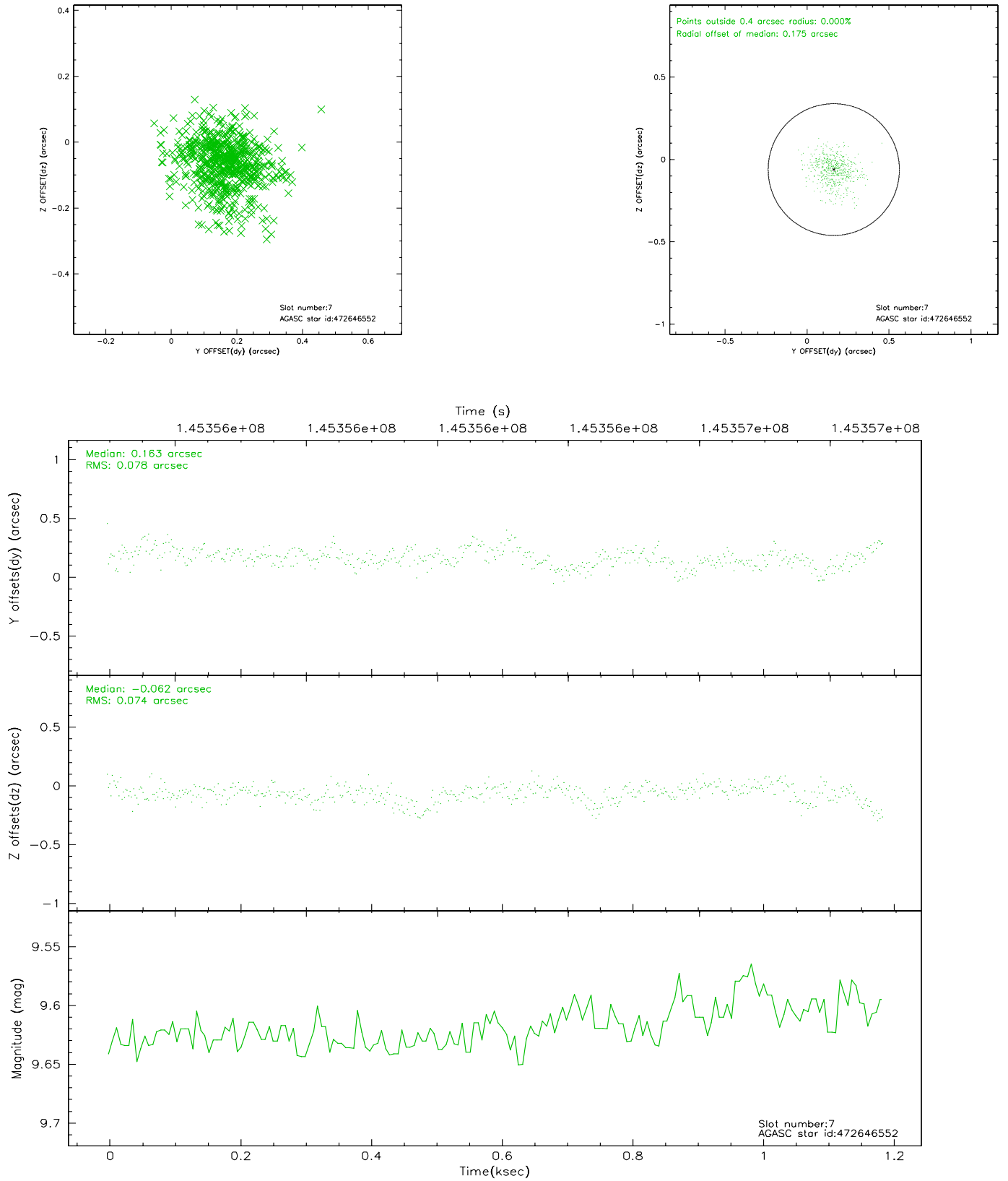
2.4.3 Slot 5



2.4.4 Slot 6

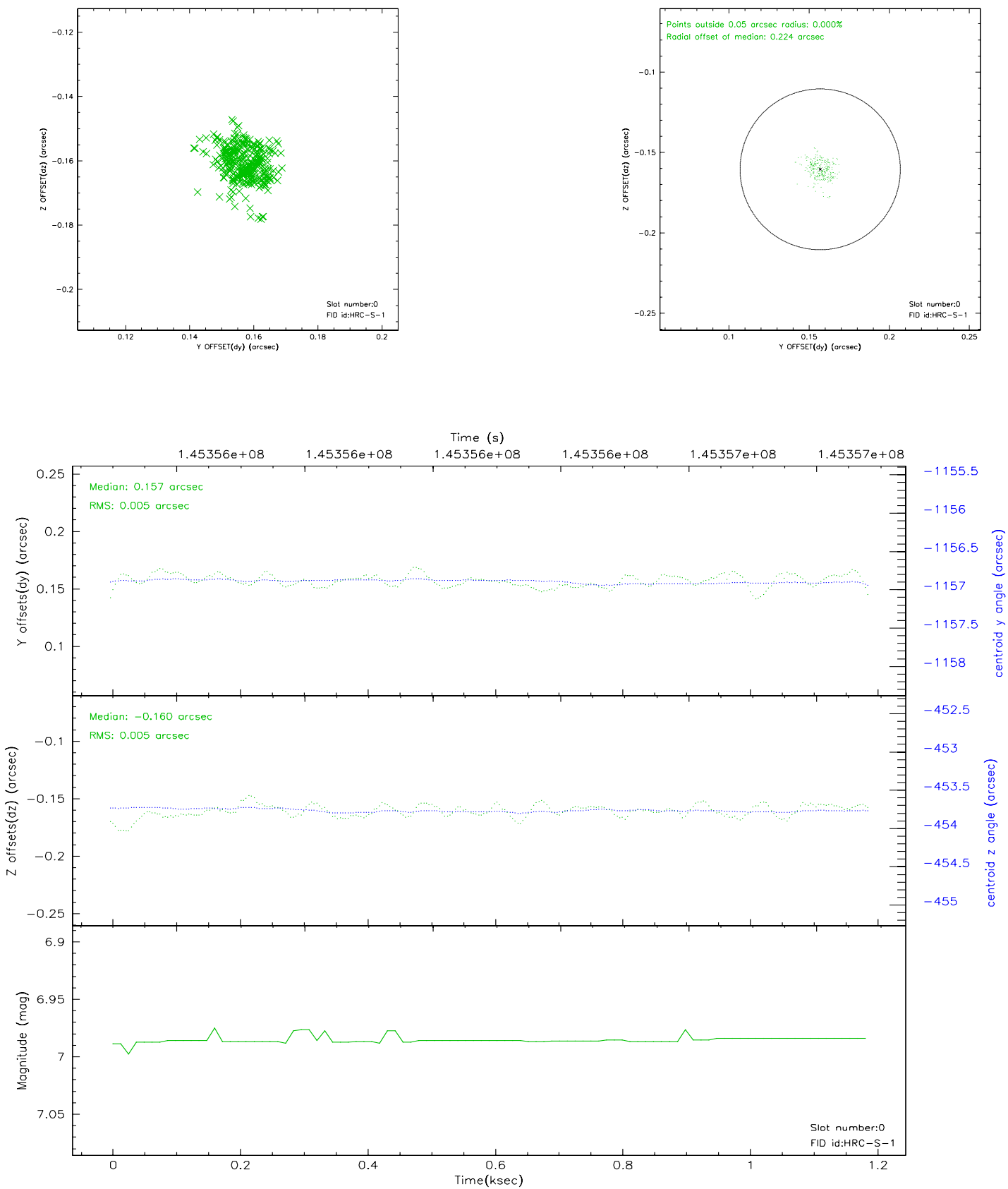


2.4.5 Slot 7

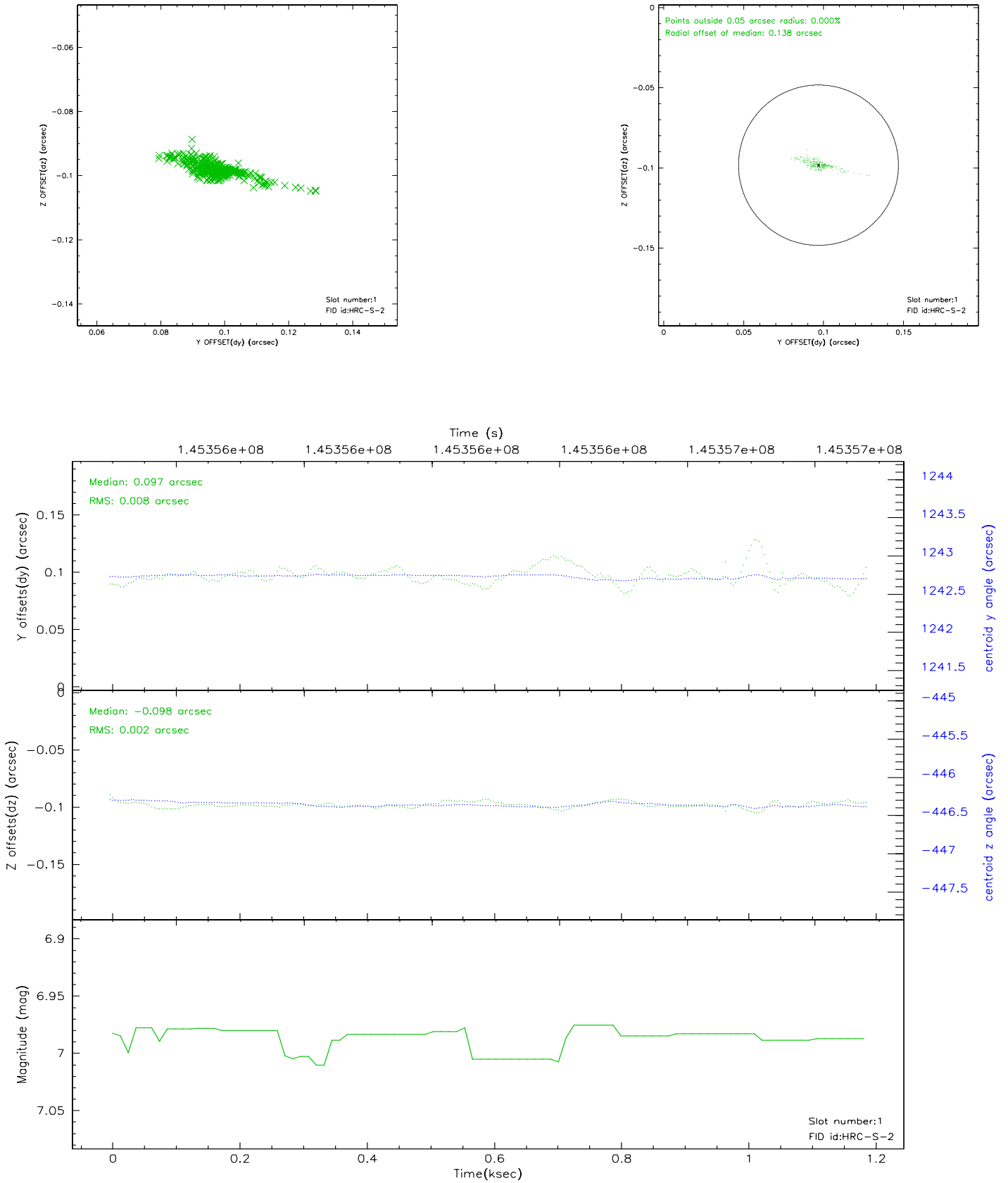


2.5 FID Slots

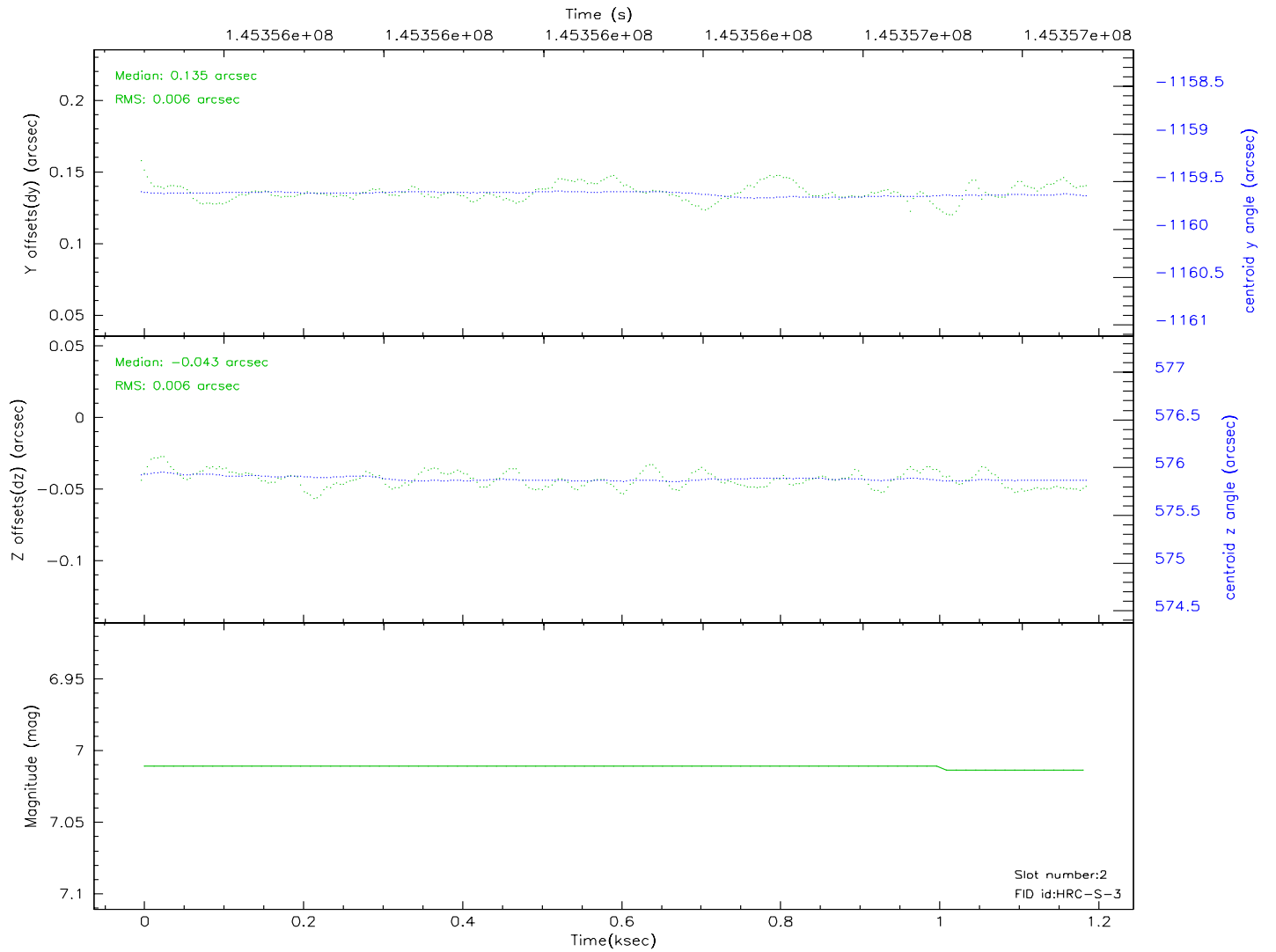
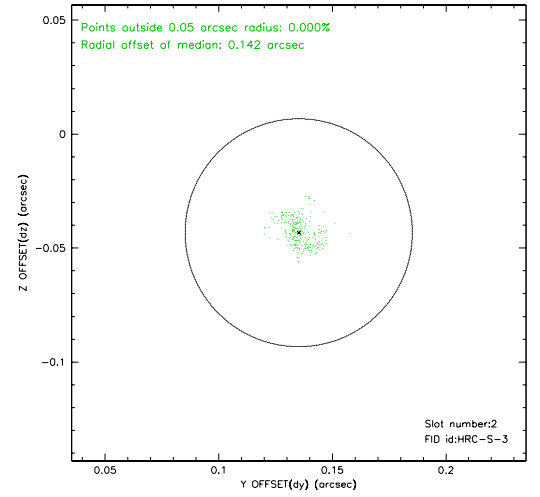
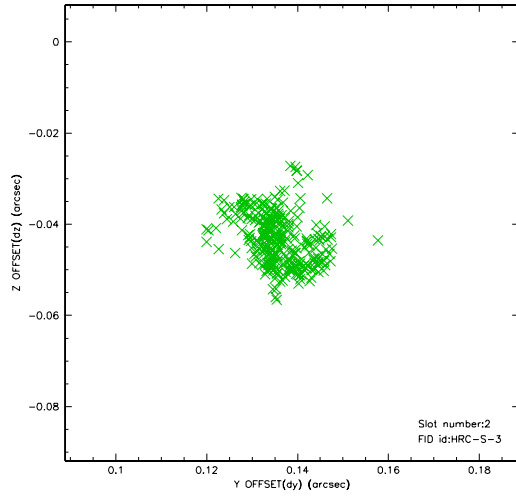
2.5.1 Slot 0



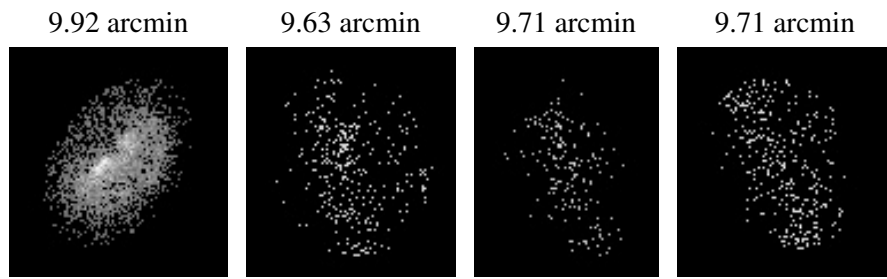
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182

A.2 Comments

Charge time for this ObsId remains at original value of 1.182 ks, although with the current processing the charge time would have been 1.143 ksec.

A faint reflection from the high-energy filter is visible in the Level 2 image, point toward the center of the detector. Most of this reflection is removed in the Level 2 data, but not all. The more apparent tap ringing displacement of a few of the events can be seen perpendicular to the long dimension of the detector. Tap ringing is instrumental in origin.