

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2438 - L2 Version 5
Chandra X-Ray Center

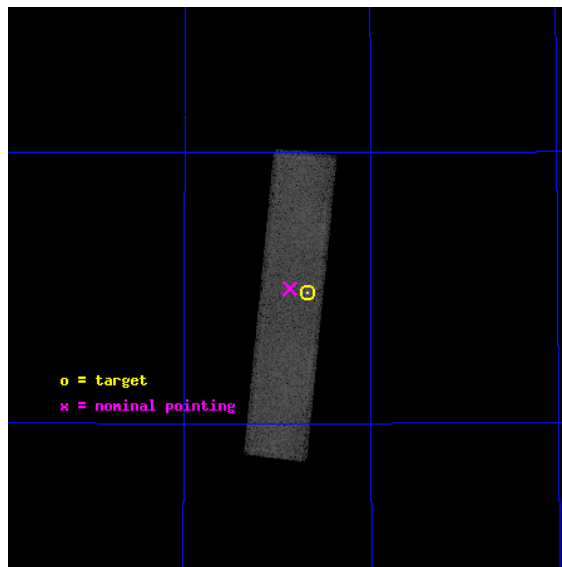
L2 Processing Date : Sep 18 2012

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1 Front

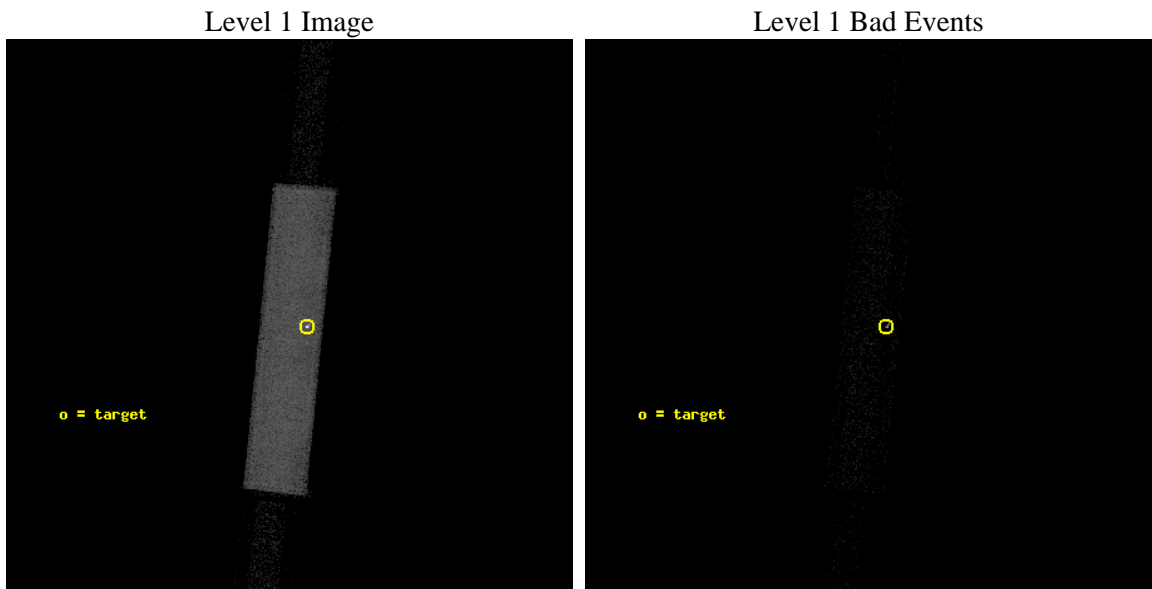
seq_num	290078	Sequence number
obs_id	2438	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21709158769	Nominal RA [deg]
dec_nom	45.749253502226	Nominal Dec [deg]
roll_nom	95.674488968673	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1376.8313035071	[s]
livetime	1366.2003707107	Ontime multiplied by DTCOR
l2events	79383	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	1234.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1376.8313035071	[s]
caldbver	4.5.1.1	 	l1events	119642	Number of level 1 events
date	2012-09-18T22:54:52	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

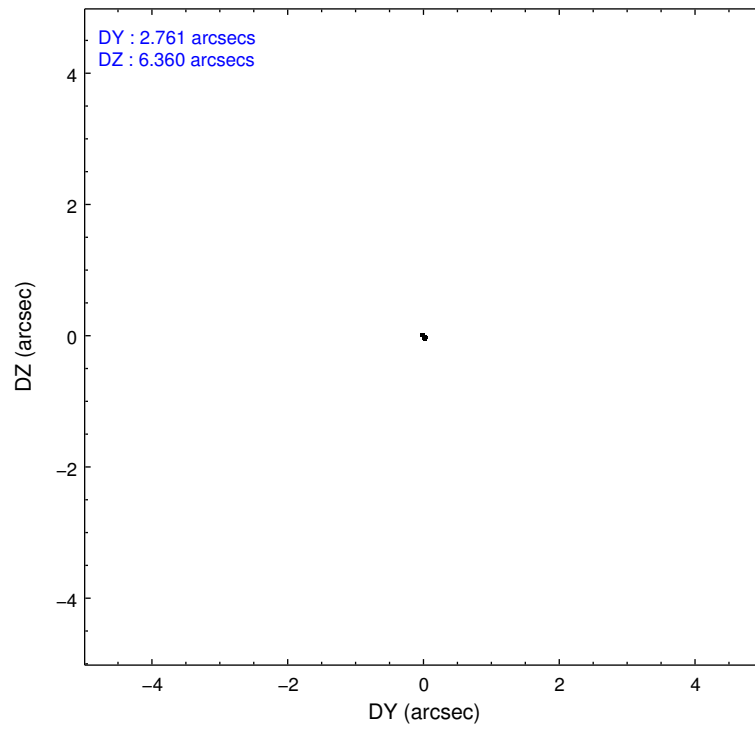
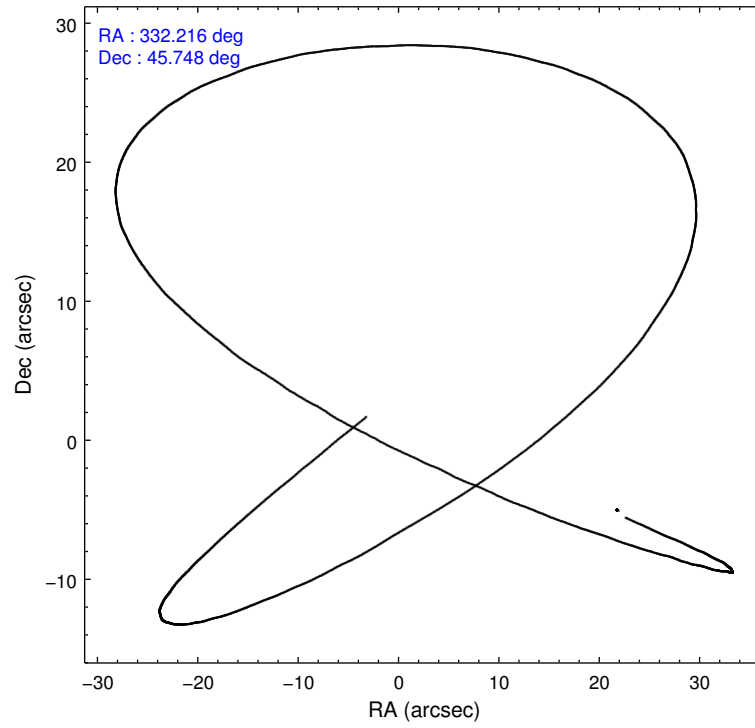
Level 1 Events

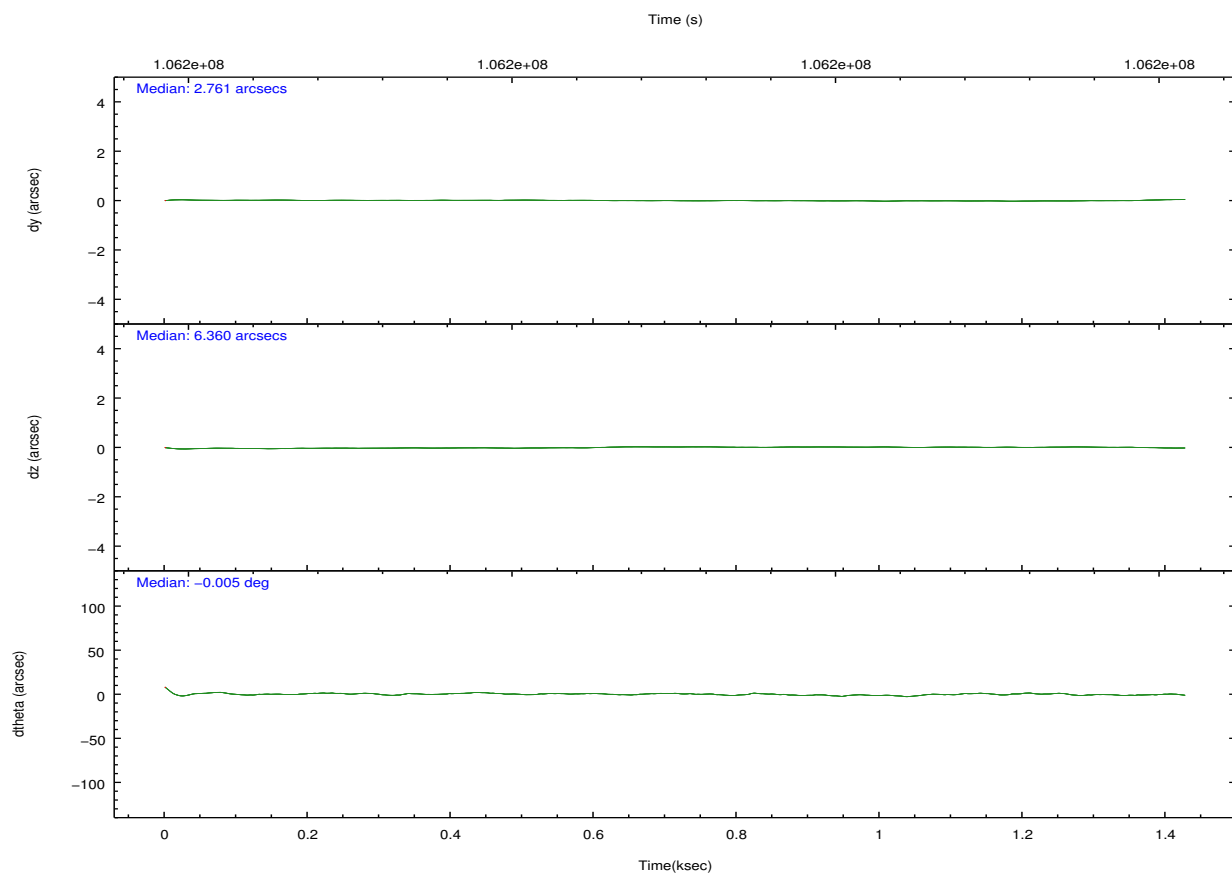
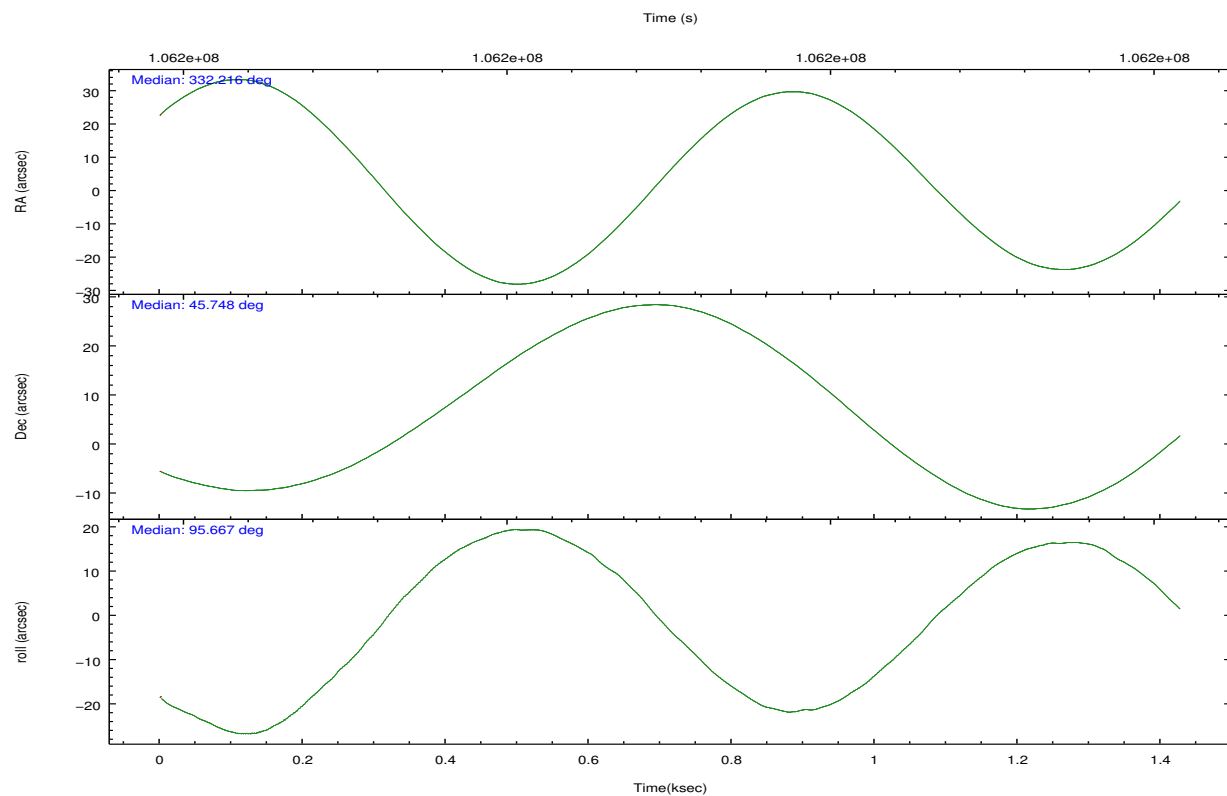
	segment 1	segment 2	segment 3
level 1 events	2135	115727	1780
rejected events	2135	23673	1780
rejected %	100%	20%	100%

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	332.242573	332.2170915876937			
[deg] Pointing Dec	45.727858	45.74925350222607			
[deg] Pointing Roll	95.588934	95.67448896867316			
[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)	106198731.184000	106198354.90809			
Observation start date	2001-05-14T03:37:47	2001-05-14T03:32:34			
[s] Observation end time (MET)	106199965.184000	106200098.94566			
Observation end date	2001-05-14T03:58:21	2001-05-14T04:01:38			

2.3 Aspect



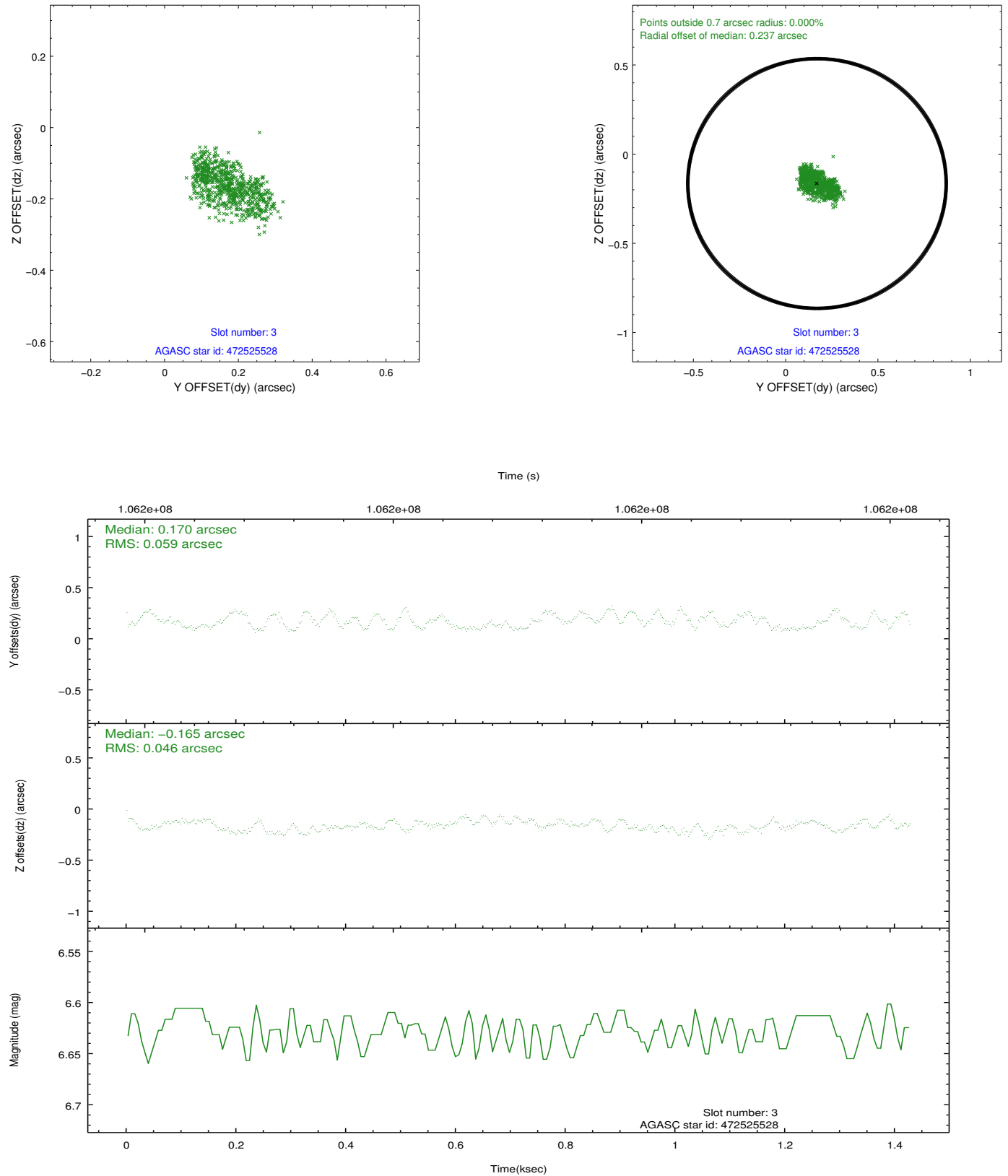


Slot Statistics

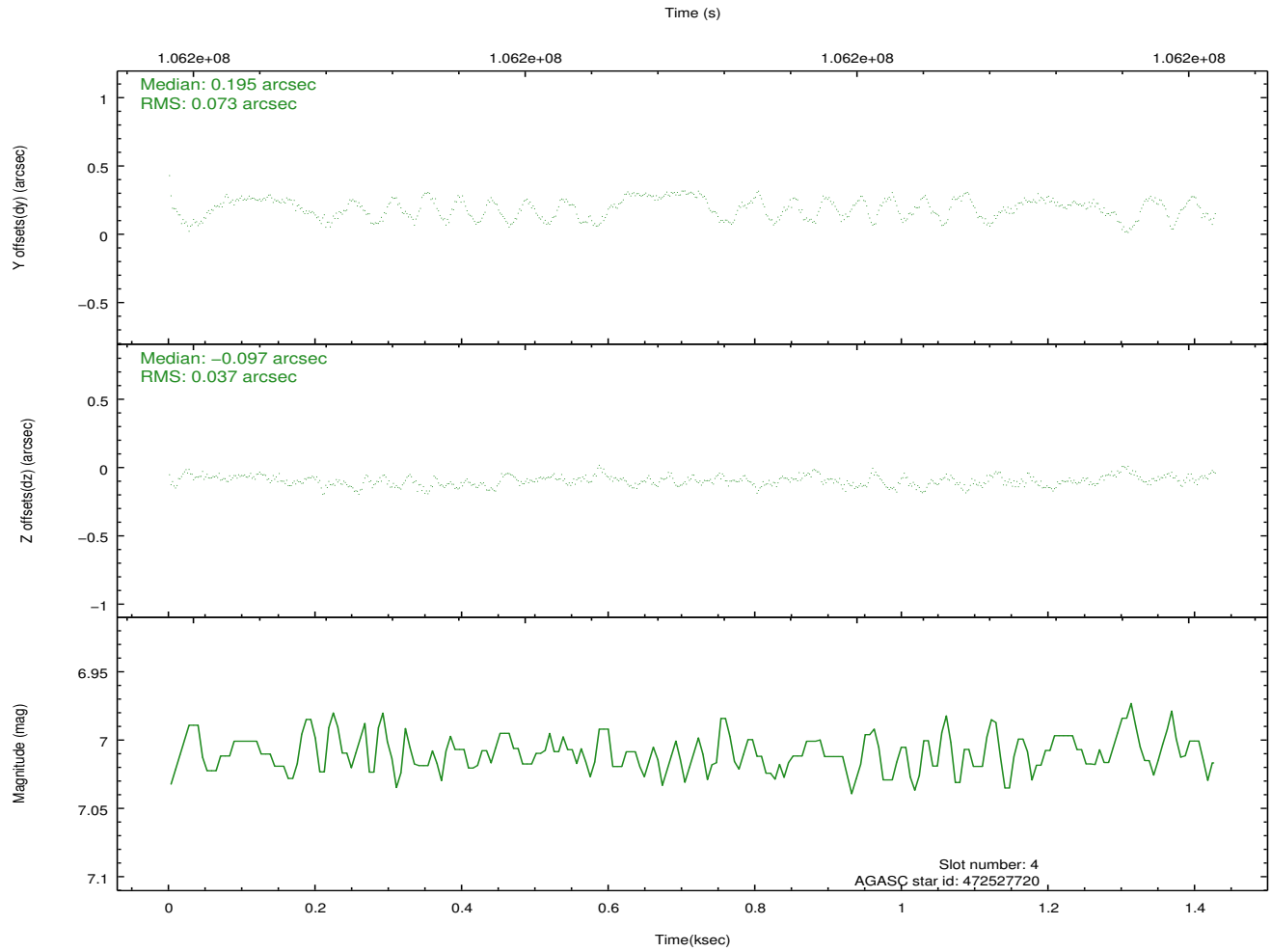
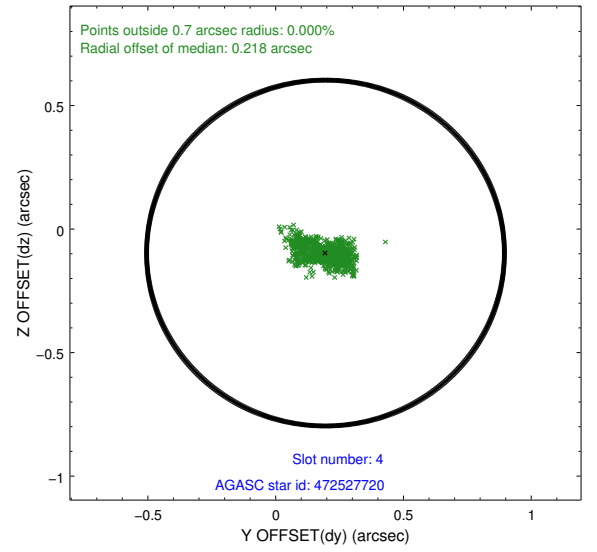
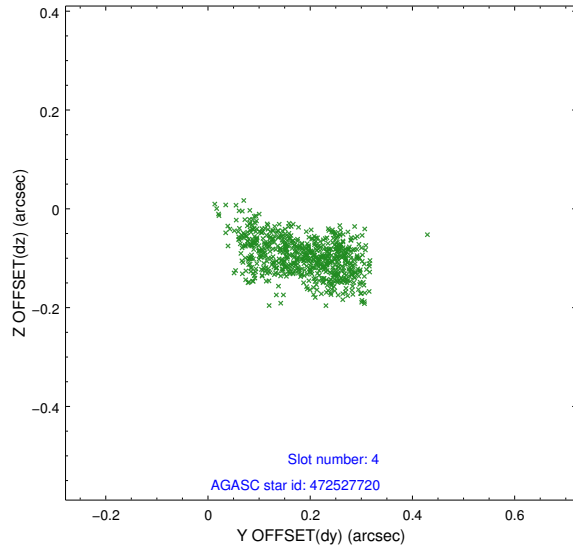
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	349	0.140	-0.105	0.005	0.010	0.000000	0.000000	-1156.78	-454.89
1	FID	HRC-S-2	6.98	349	0.122	-0.157	0.009	0.017	0.000000	0.000000	1239.57	-448.83
2	FID	HRC-S-4	6.93	349	0.141	-0.042	0.008	0.017	0.000000	0.000000	1245.01	576.03
3	GUIDE	472525528	6.63	697	0.170	-0.165	0.083	0.121	331.551102	45.248694	-1535.17	1910.18
4	GUIDE	472527720	7.01	697	0.195	-0.097	0.089	0.134	331.460205	45.112509	-2000.35	2194.52
5	GUIDE	472535576	7.85	696	-0.168	-0.089	0.051	0.082	331.438373	46.291802	2225.72	1794.76
6	GUIDE	472665256	9.00	696	-0.124	0.229	0.074	0.117	332.808125	46.195041	1548.48	-1564.89
7	GUIDE	472659832	9.46	696	-0.070	0.119	0.089	0.145	332.780399	46.098139	1206.36	-1469.39

2.4 Star Slots

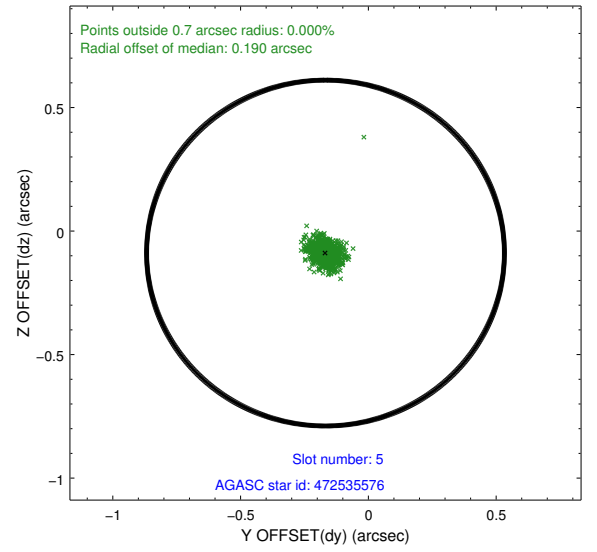
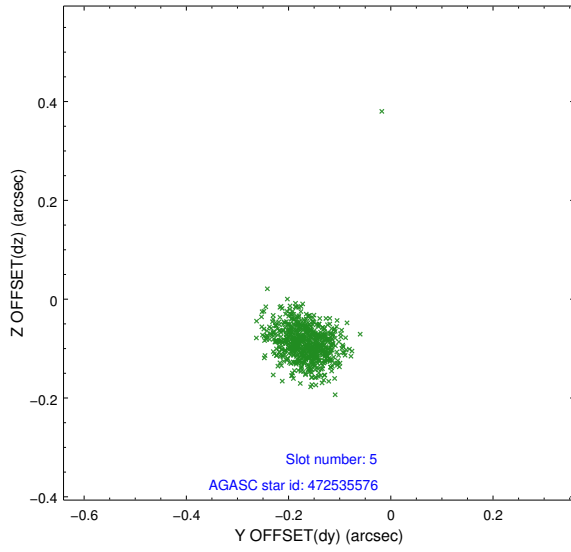
2.4.1 Slot 3



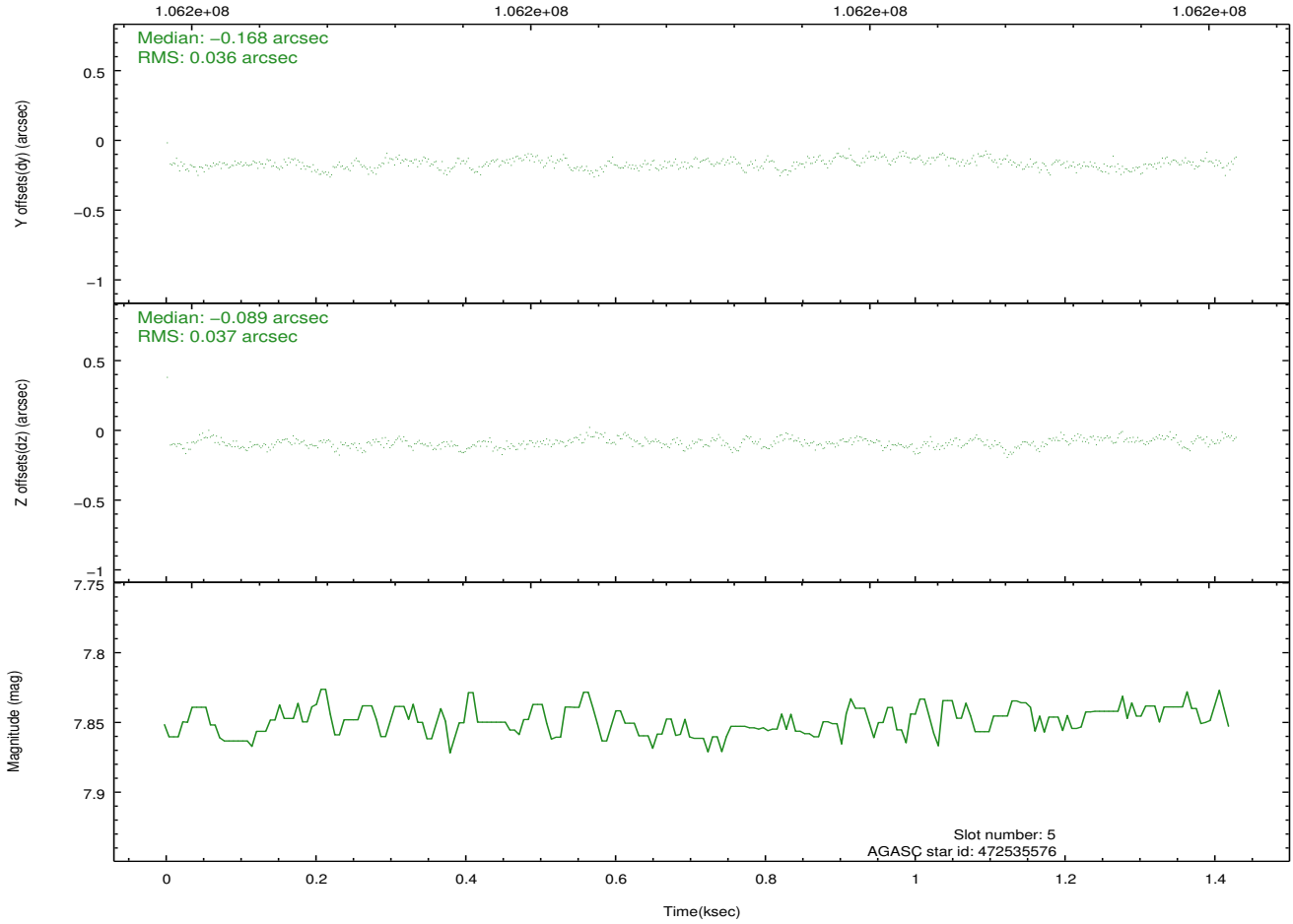
2.4.2 Slot 4



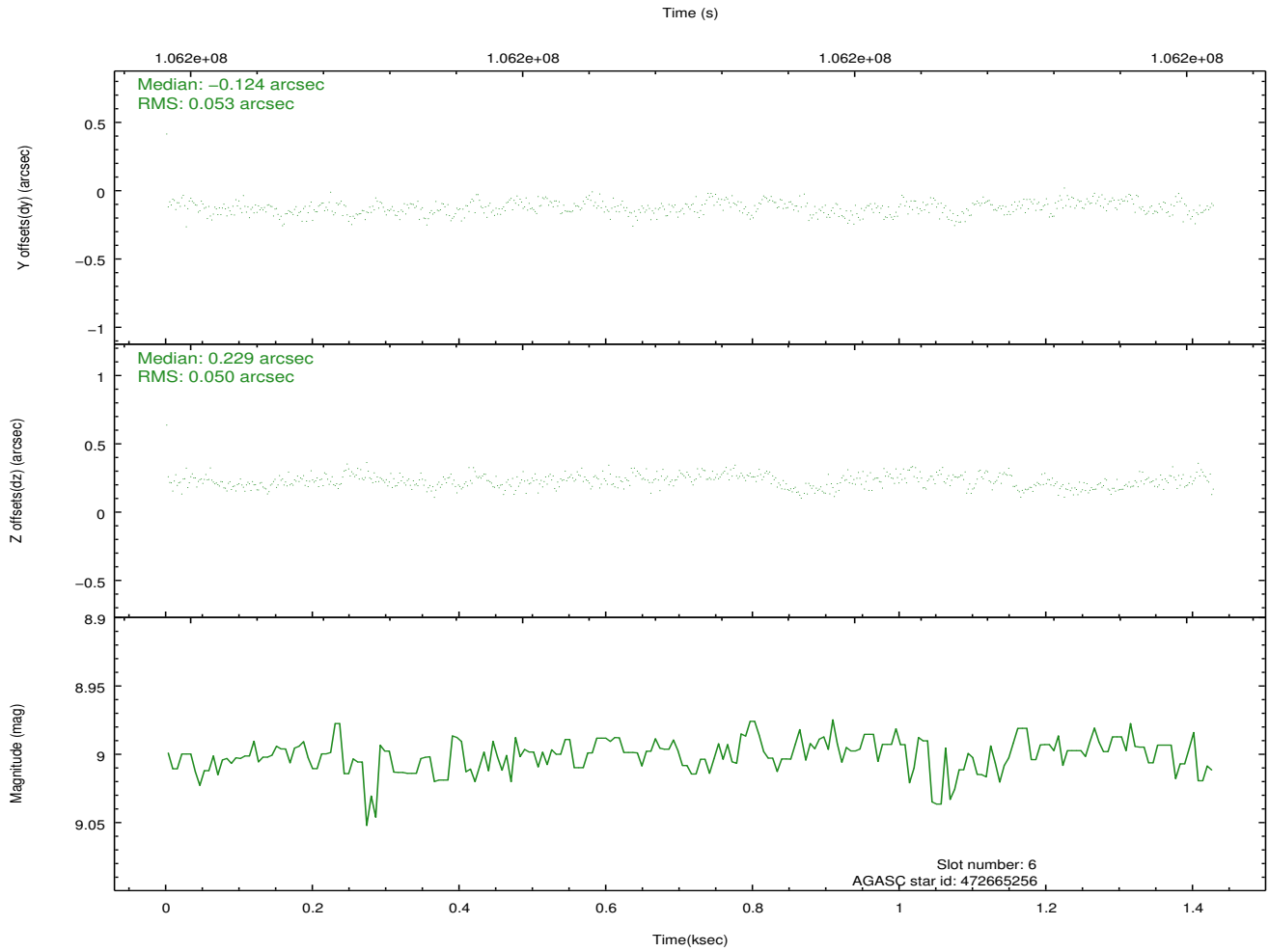
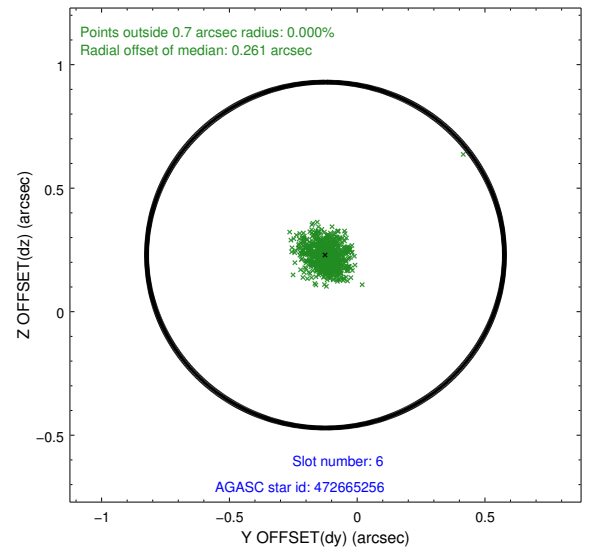
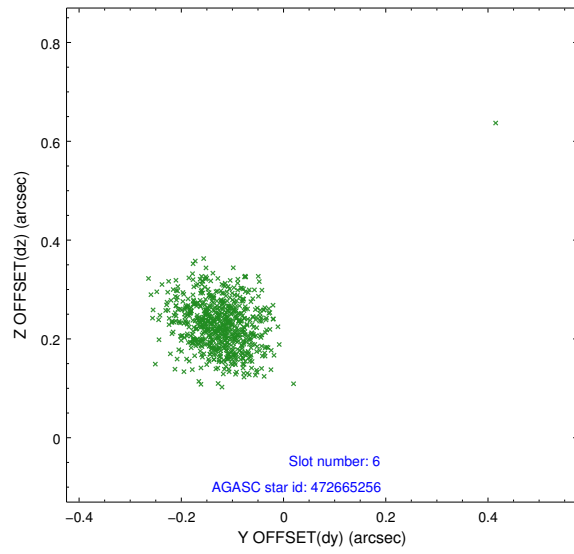
2.4.3 Slot 5



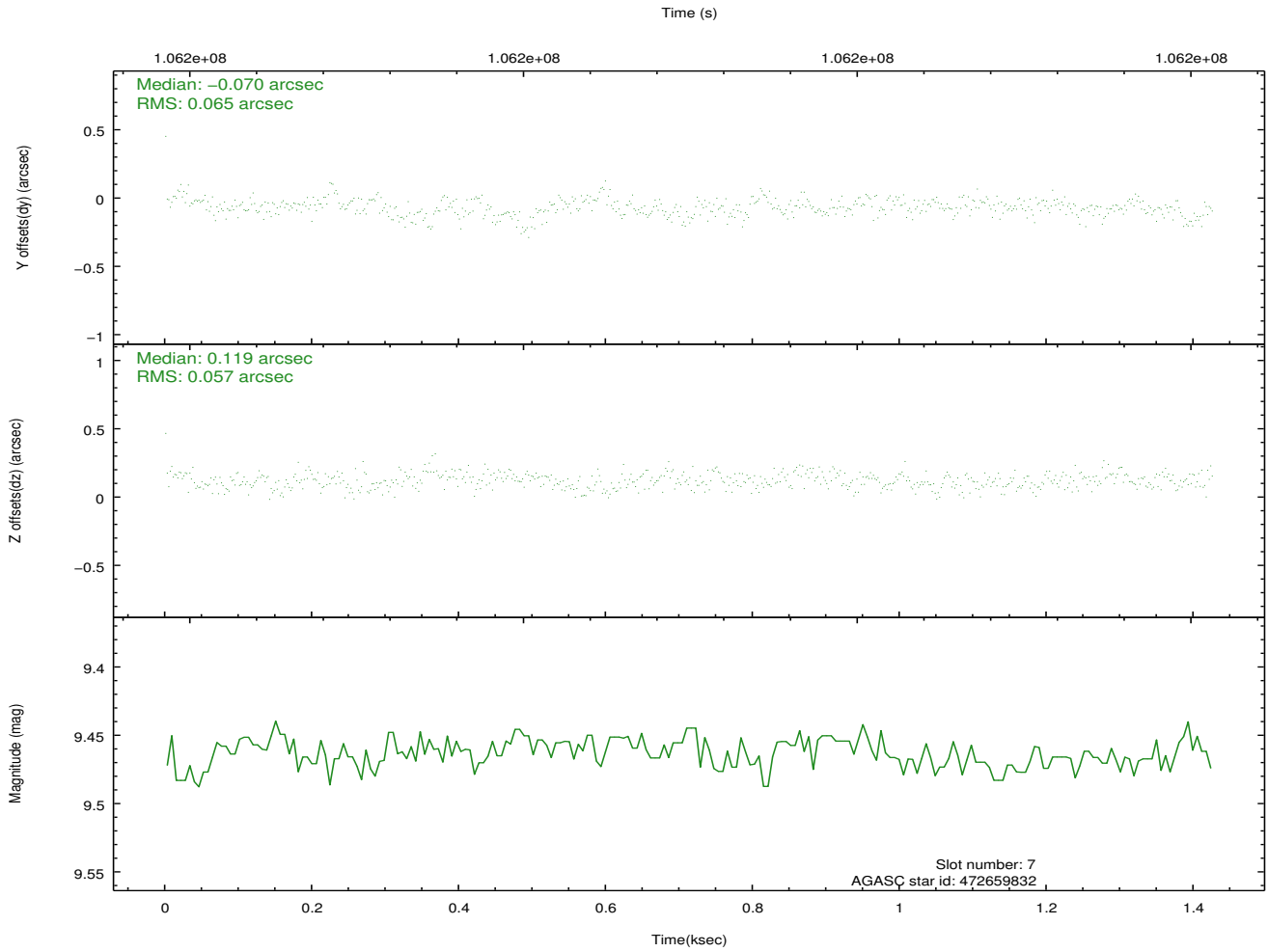
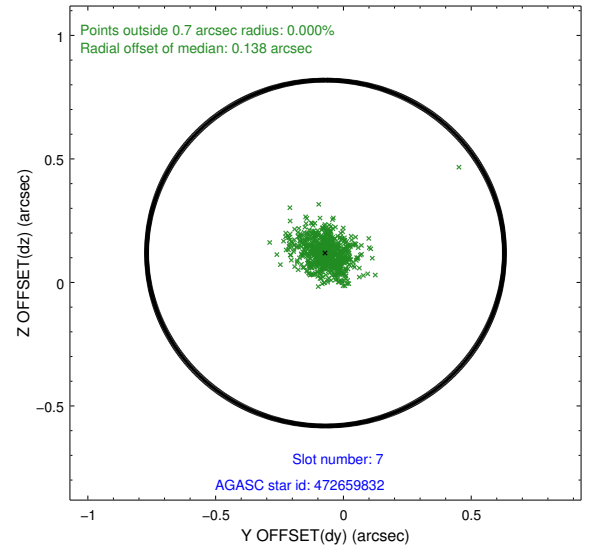
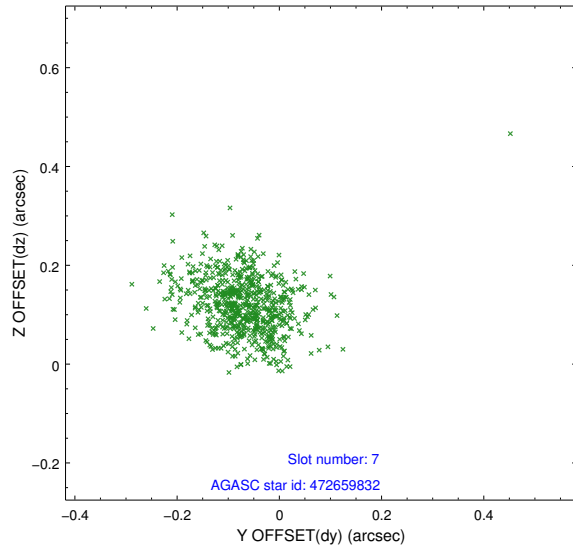
Time (s)



2.4.4 Slot 6

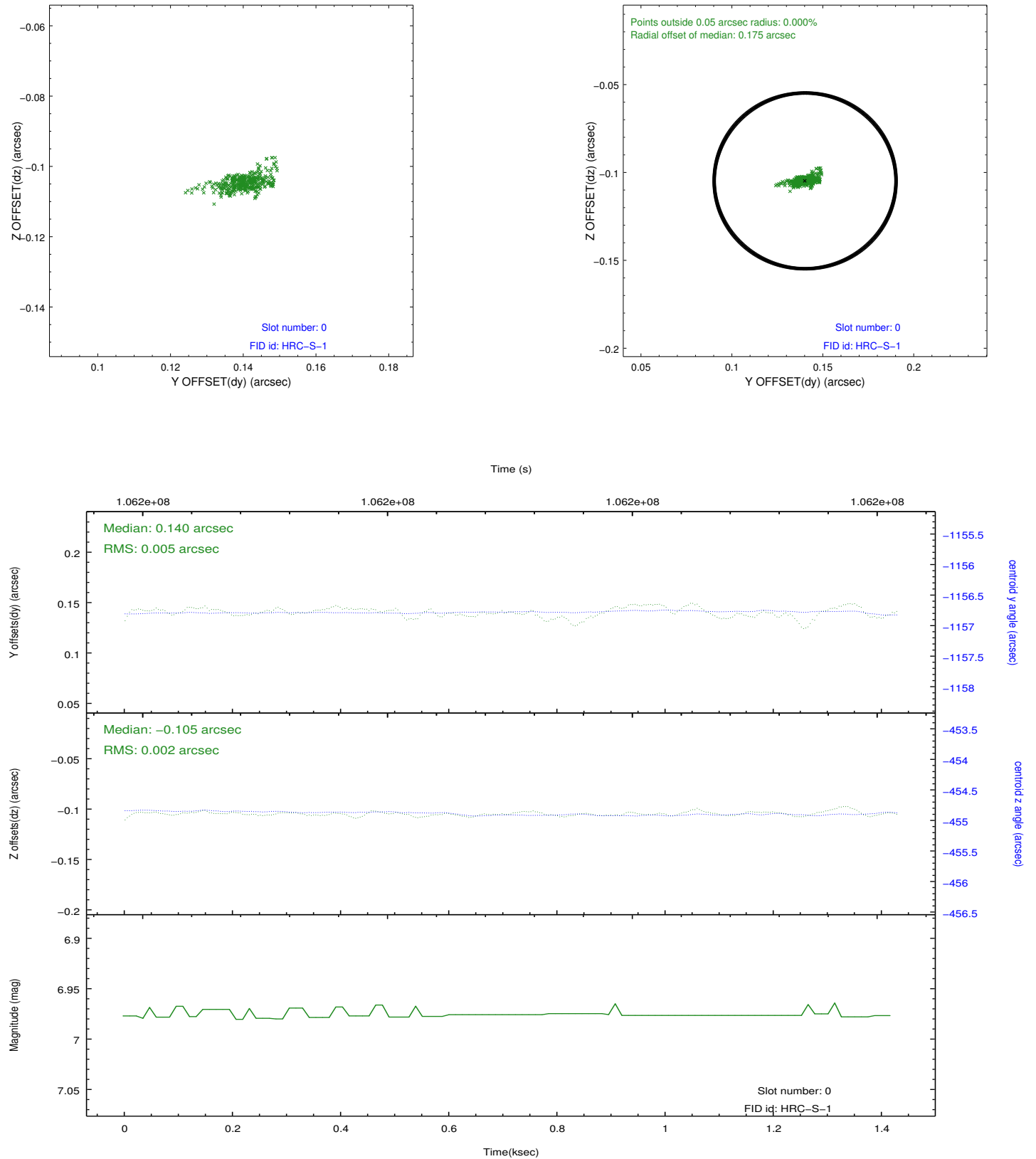


2.4.5 Slot 7

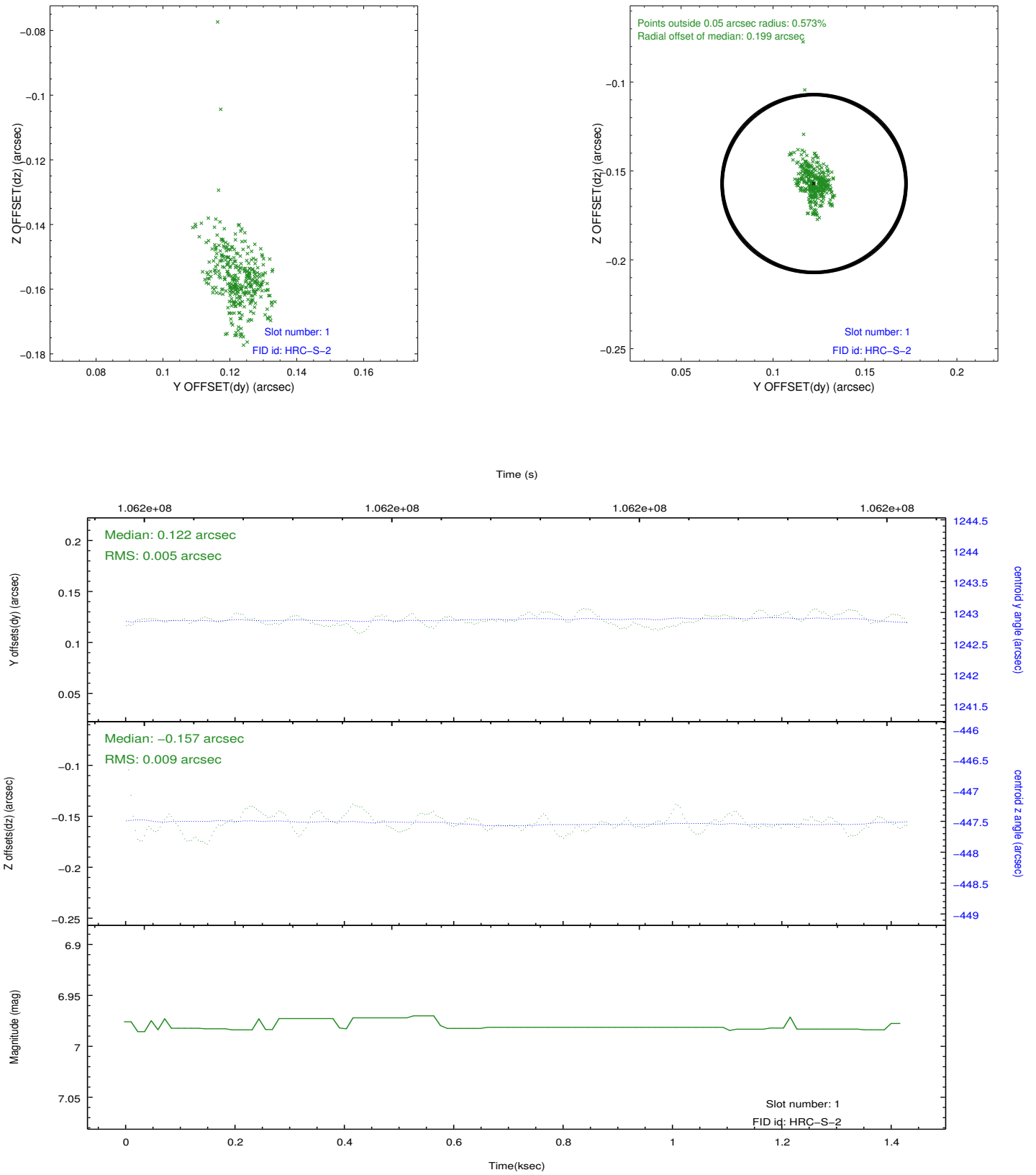


2.5 FID Slots

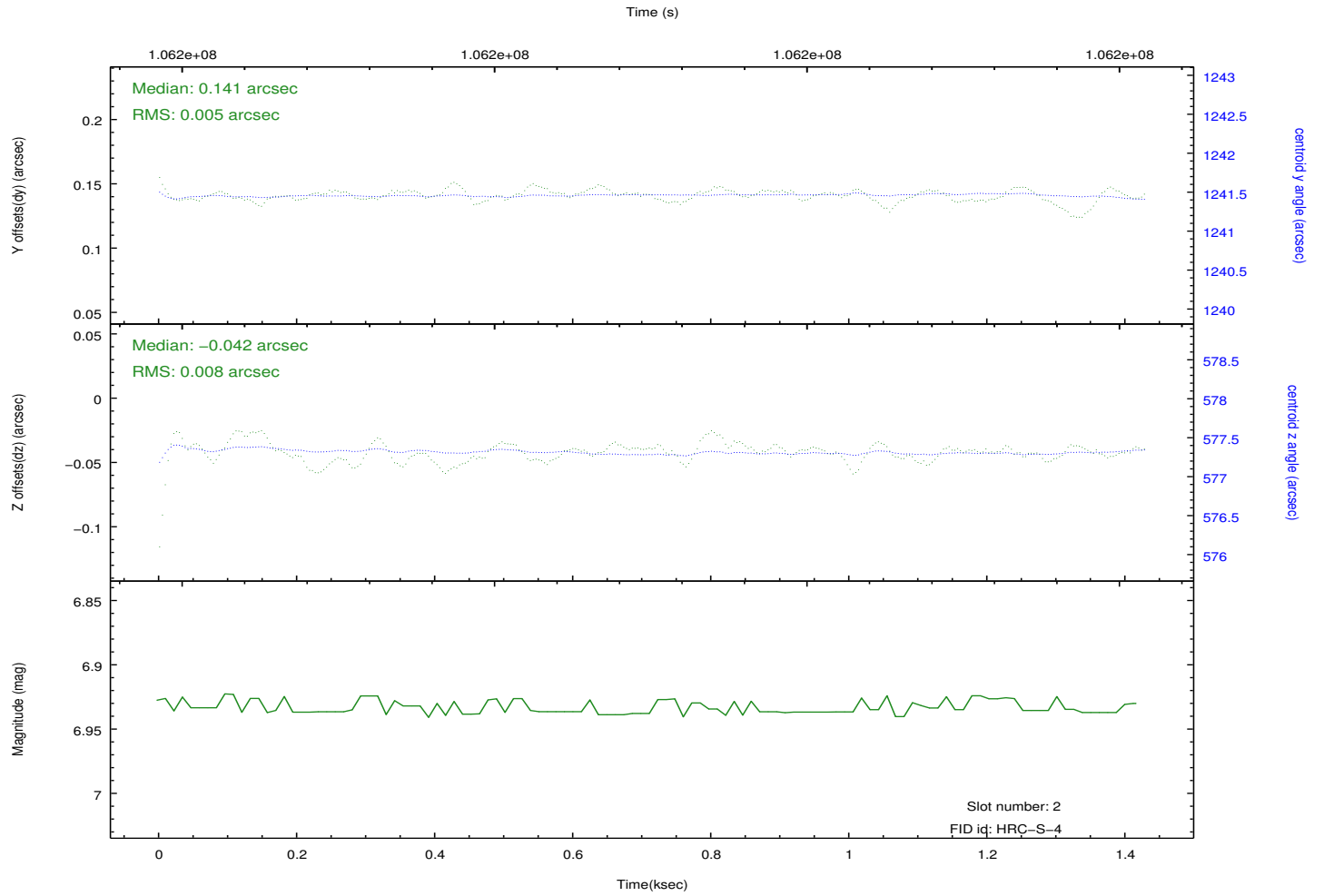
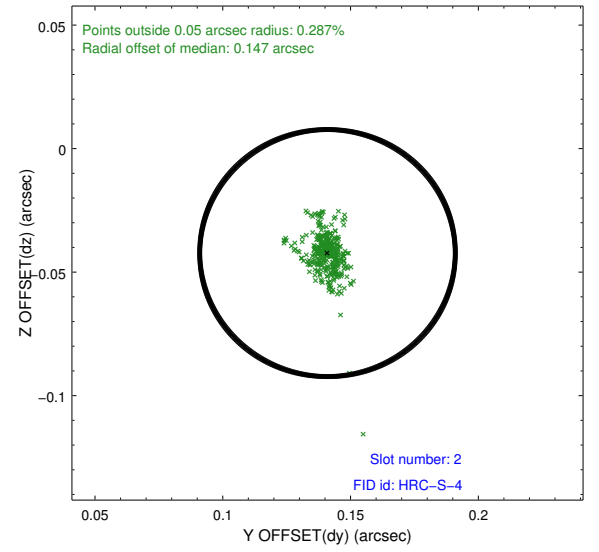
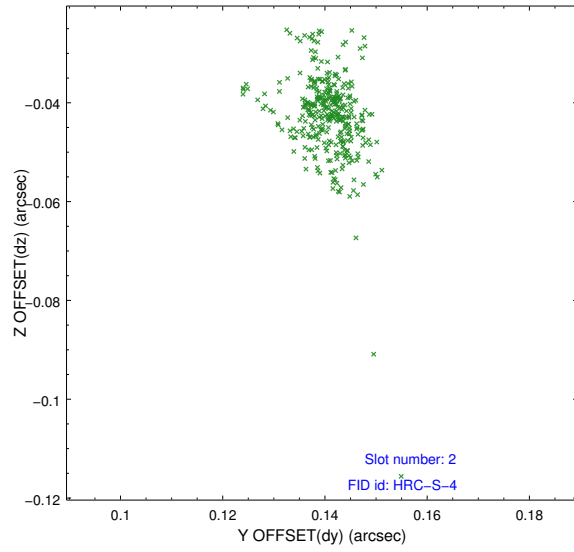
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.417

A.2 Comments

Charge time for this observation remains at previous value of 1.417 ksec.