

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3816 - L2 Version 4
Chandra X-Ray Center

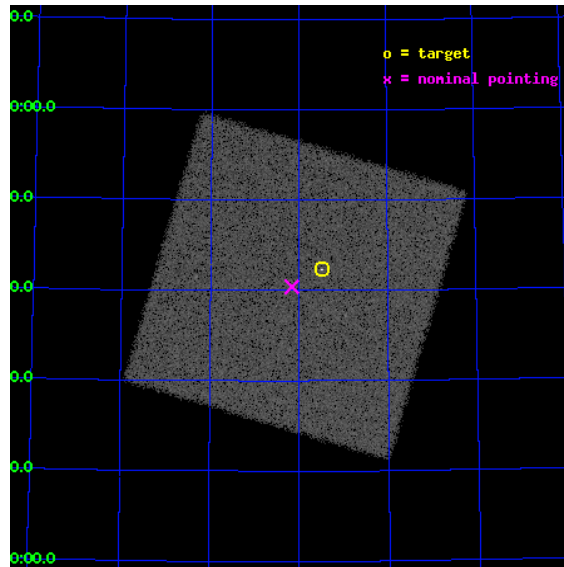
L2 Processing Date : Oct 31 2012

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1 Front

seq_num	400303	Sequence number
obs_id	3816	Observation id
title	THE ULTRALUMINOUS X-RAY SOURCE IN HOLMBERG II	Proposal title
observer	Prof. Philip Kaaret	Principal investigator
object	HOLMBERG II ULX	Source name
ra_targ	124.87375	Observer's specified target RA [deg]
dec_targ	70.705389	Observer's specified target Dec [deg]
ra_nom	125.0405862211	Nominal RA [deg]
dec_nom	70.673581273594	Nominal Dec [deg]
roll_nom	331.45392899256	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4894.6314583421	[s]
livetime	4869.6958259186	Ontime multiplied by DTCOR
l2events	136035	Number of level 2 events

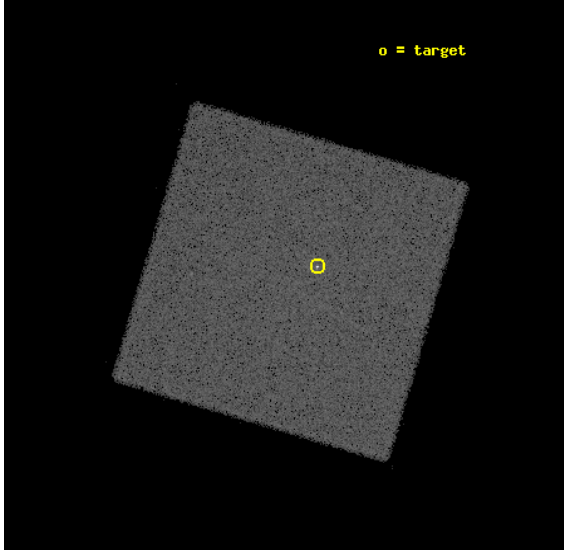


2 OBI

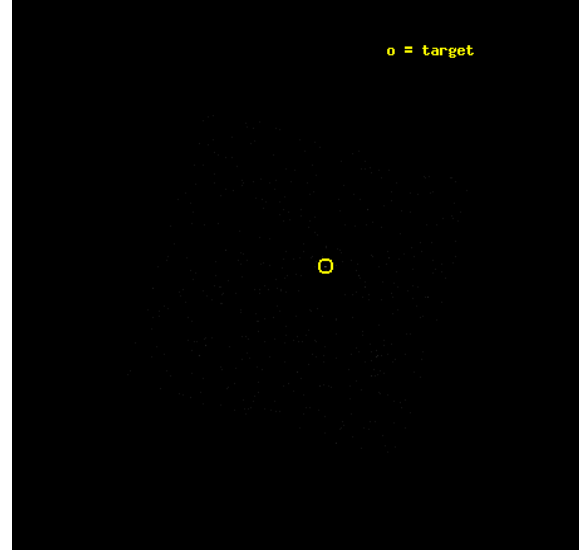
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4894.6314583421	[s]
caldbver	4.5.2	 	l1events	248727	Number of level 1 events
date	2012-10-31T04:17:36	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

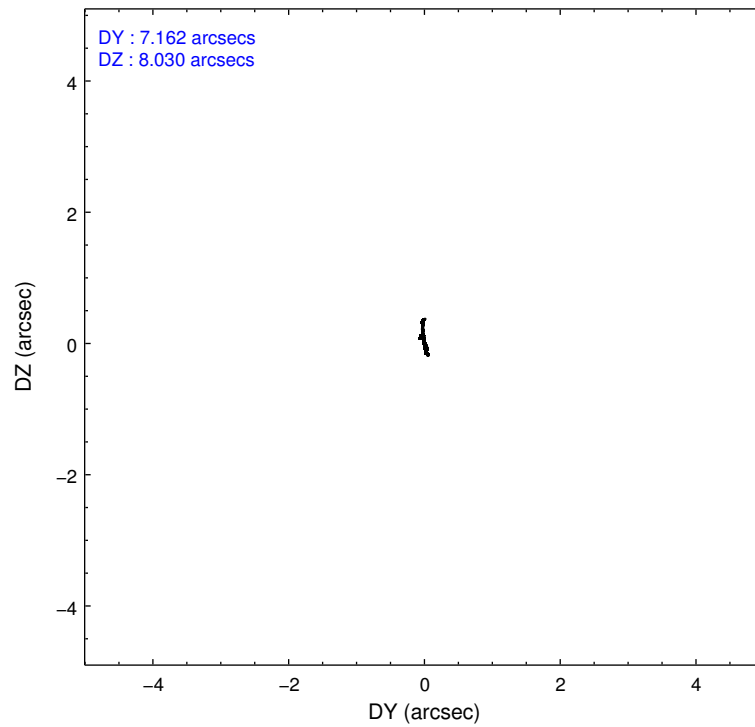
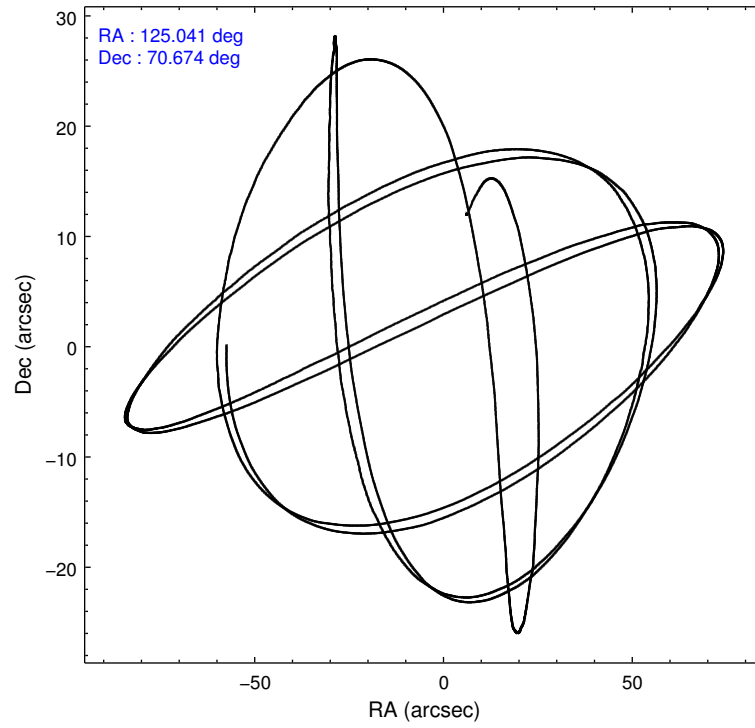
Level 1 Events

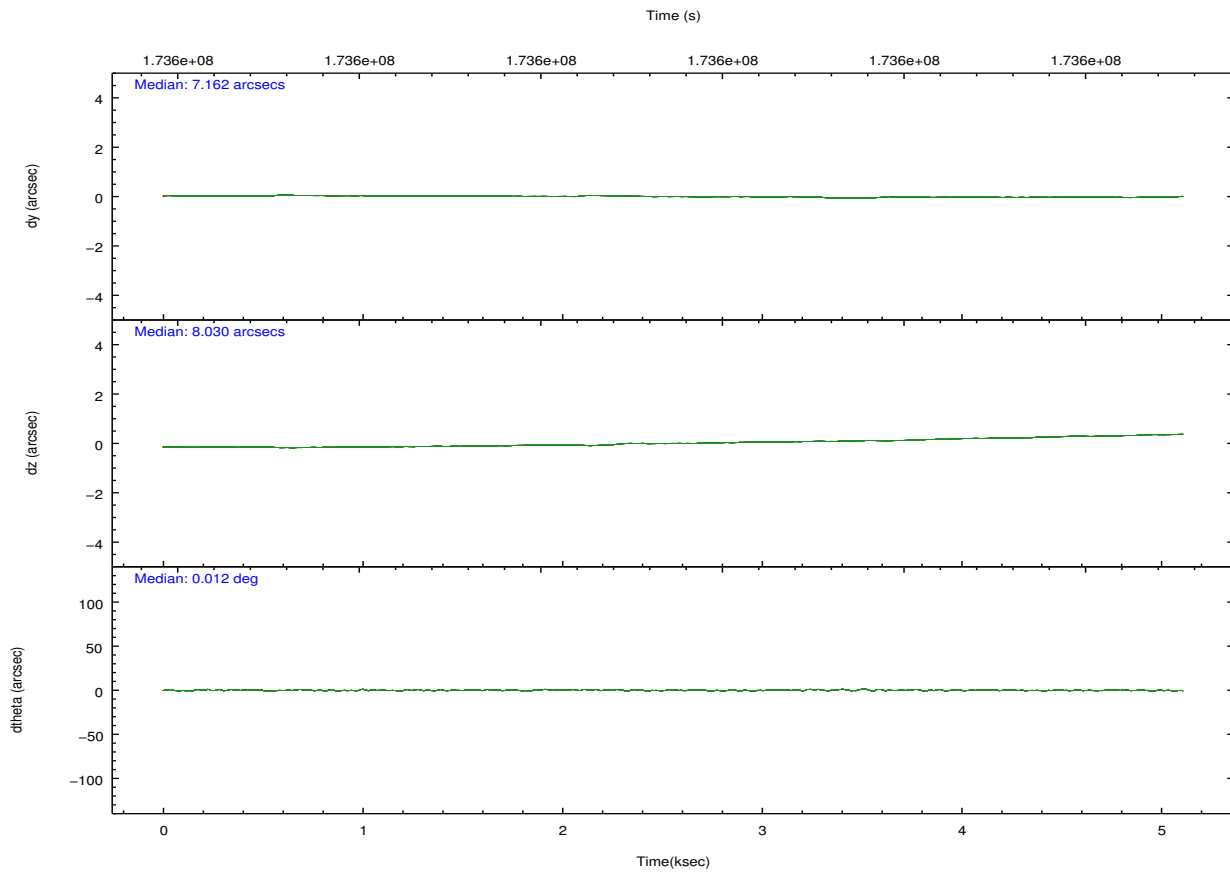
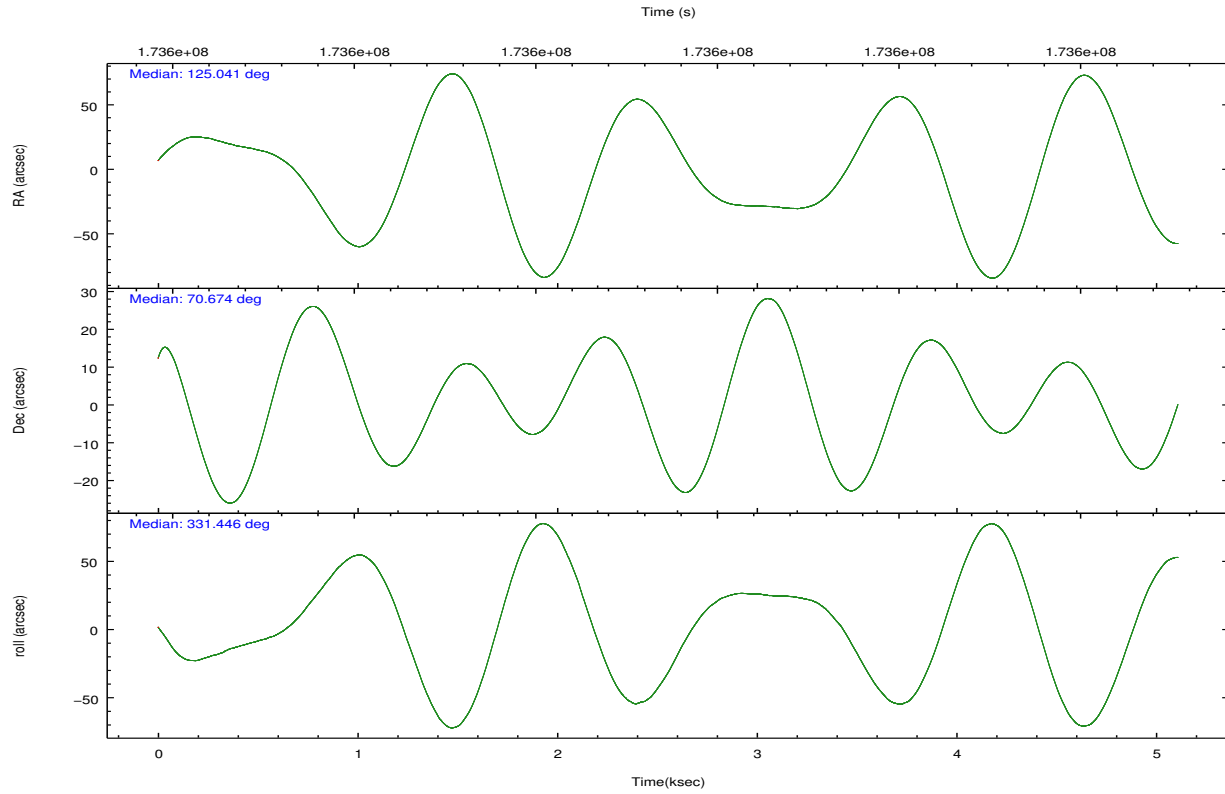
	segment 0
level 1 events	248727
rejected events	48626
rejected %	19%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	124.958185	125.0405862210982			
[deg] Pointing Dec	70.672532	70.67358127359395			
[deg] Pointing Roll	331.627169	331.4539289925588			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	173600284.184000	173598980.28514			
Observation start date	2003-07-03T06:17:00	2003-07-03T05:56:20			
[s] Observation end time (MET)	173605284.184000	173606637.03546			
Observation end date	2003-07-03T07:40:20	2003-07-03T08:03:57			

2.3 Aspect



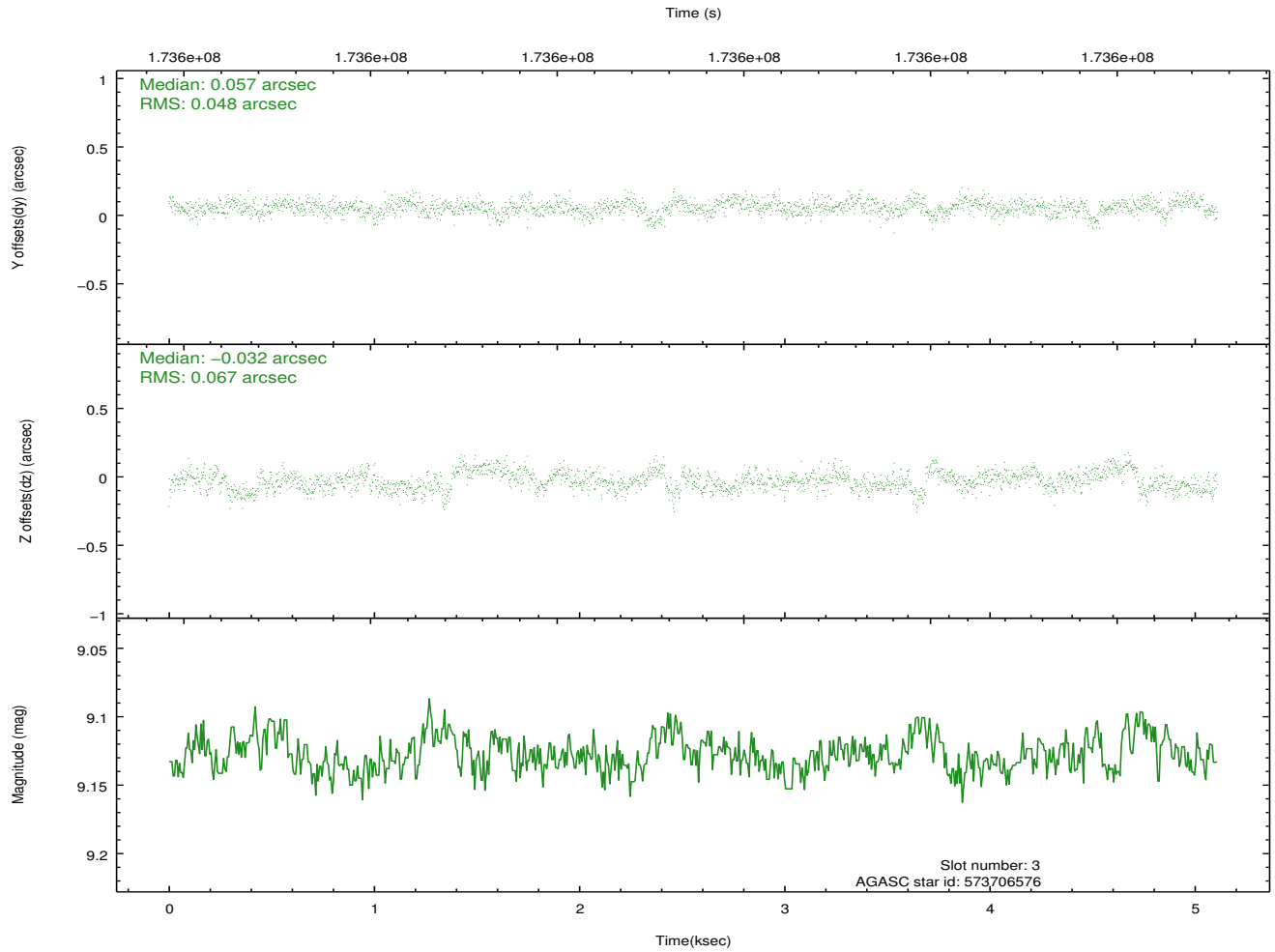
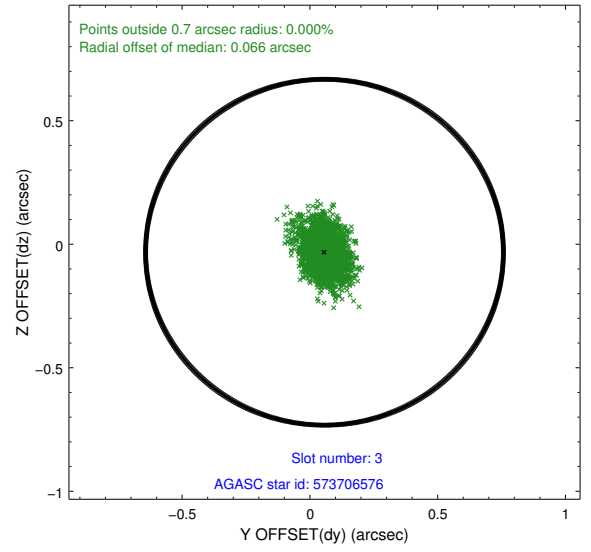
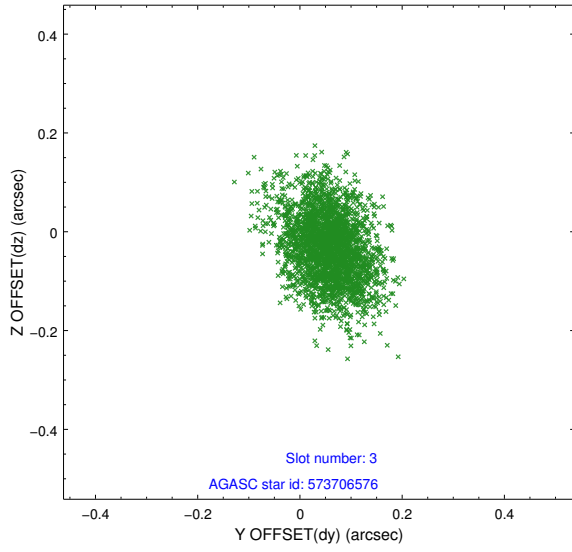


Slot Statistics

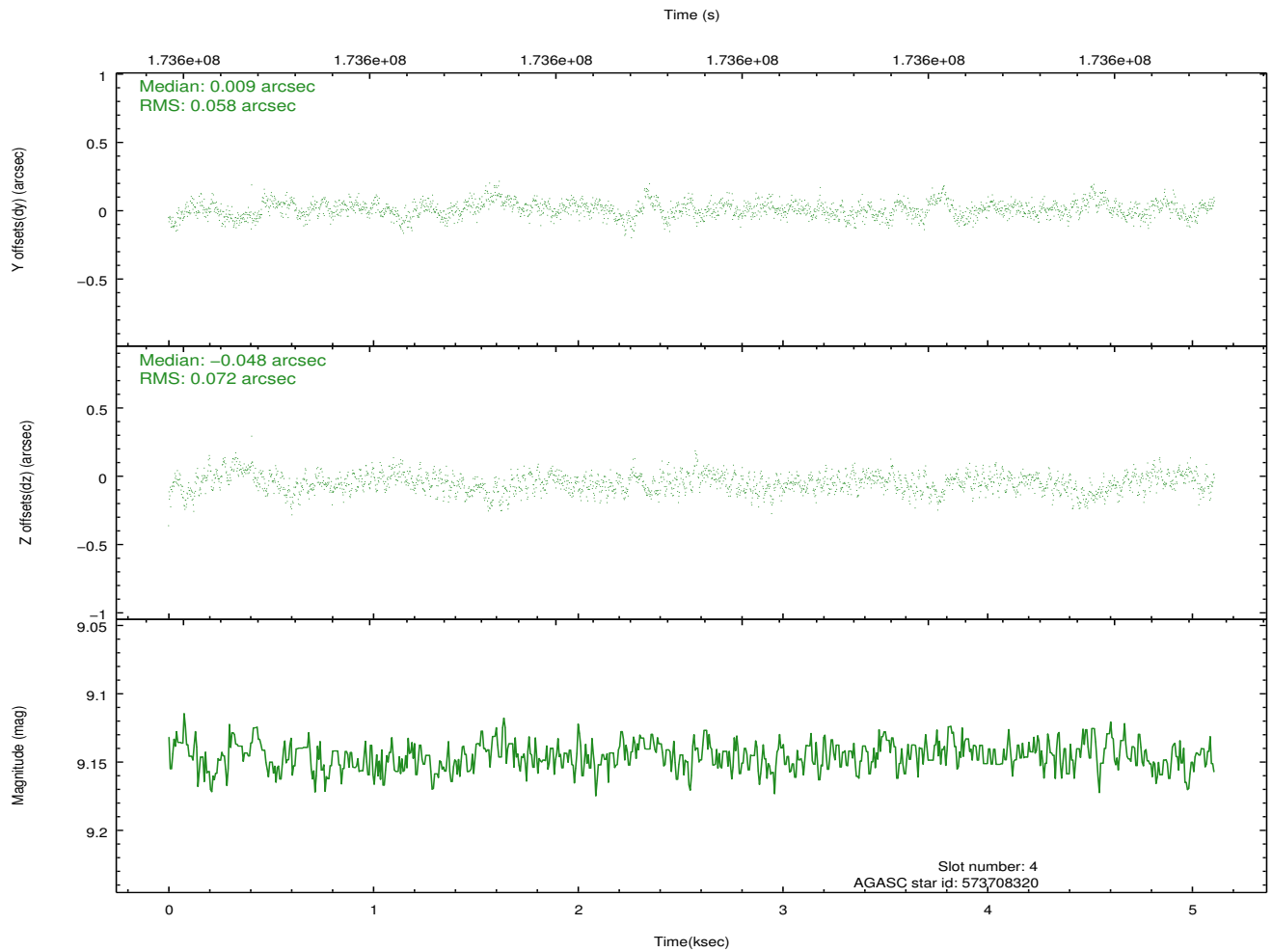
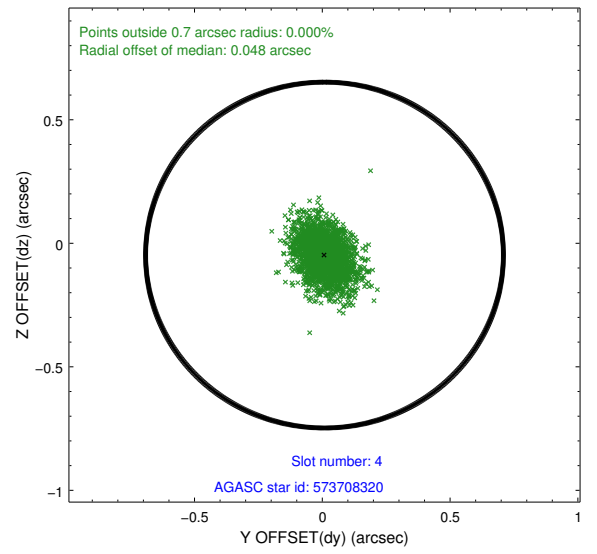
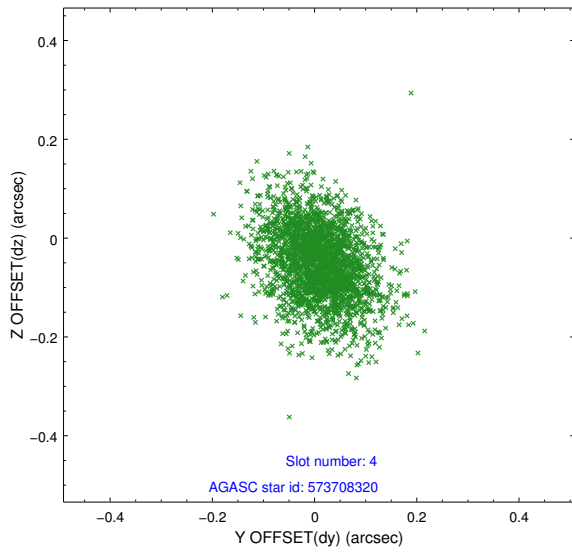
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	1247	0.054	0.006	0.009	0.016	0.000000	0.000000	-762.77	-1295.89
1	FID	HRC-I-3	7.08	1247	-0.048	-0.043	0.010	0.017	0.000000	0.000000	-1191.85	1007.61
2	FID	HRC-I-4	7.04	1247	0.108	-0.052	0.005	0.008	0.000000	0.000000	1279.24	1006.92
3	GUIDE	573706576	9.13	2492	0.057	-0.032	0.087	0.146	124.971812	70.209854	805.67	-1456.87
4	GUIDE	573708320	9.15	2493	0.009	-0.048	0.096	0.164	123.335431	70.465373	-1376.77	-1561.62
5	GUIDE	573717200	9.28	2491	0.012	0.029	0.102	0.161	126.642702	71.051410	1069.78	2159.87
6	GUIDE	573719824	8.78	2493	0.004	0.002	0.073	0.121	124.187277	71.200735	-1693.71	1254.51
7	GUIDE	573723816	6.81	2492	-0.078	0.053	0.054	0.087	124.391876	70.177108	236.53	-1893.71

2.4 Star Slots

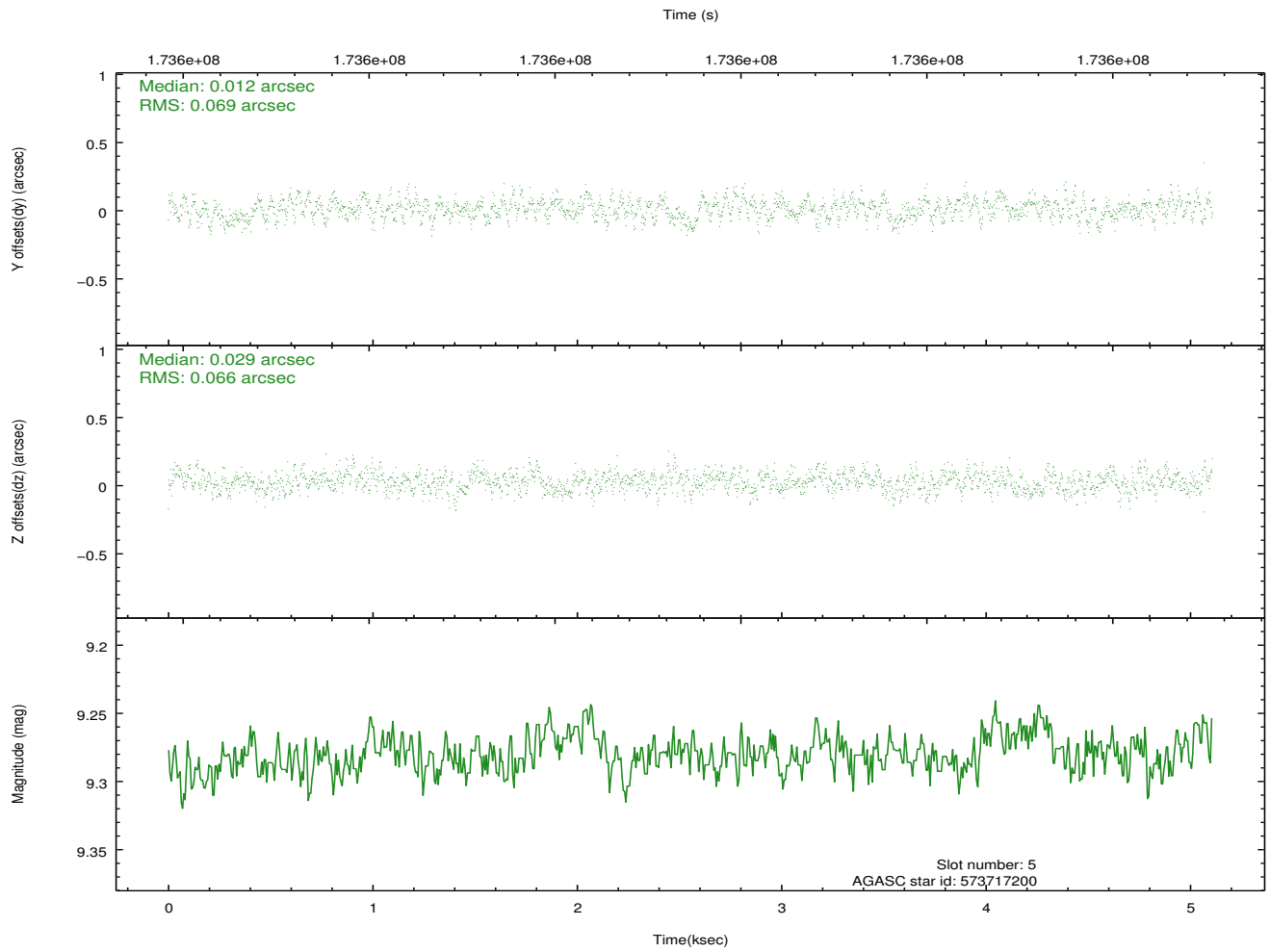
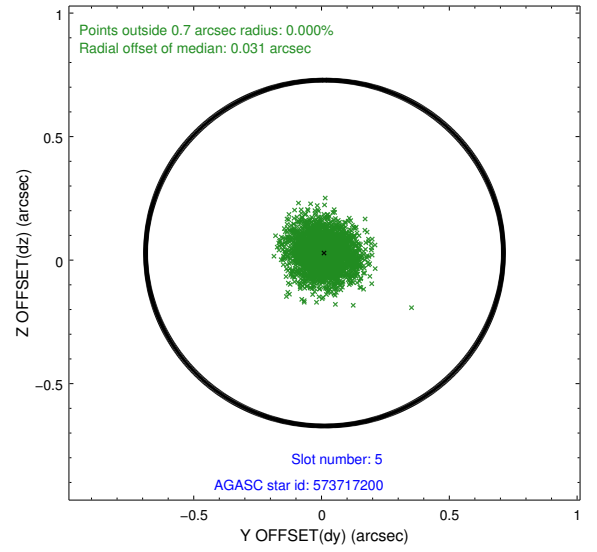
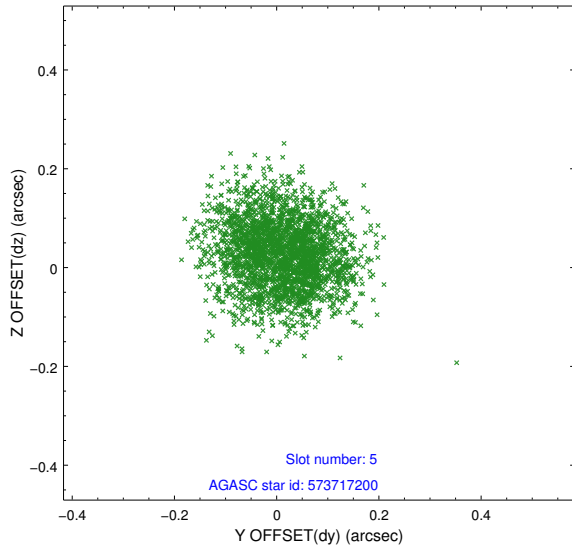
2.4.1 Slot 3



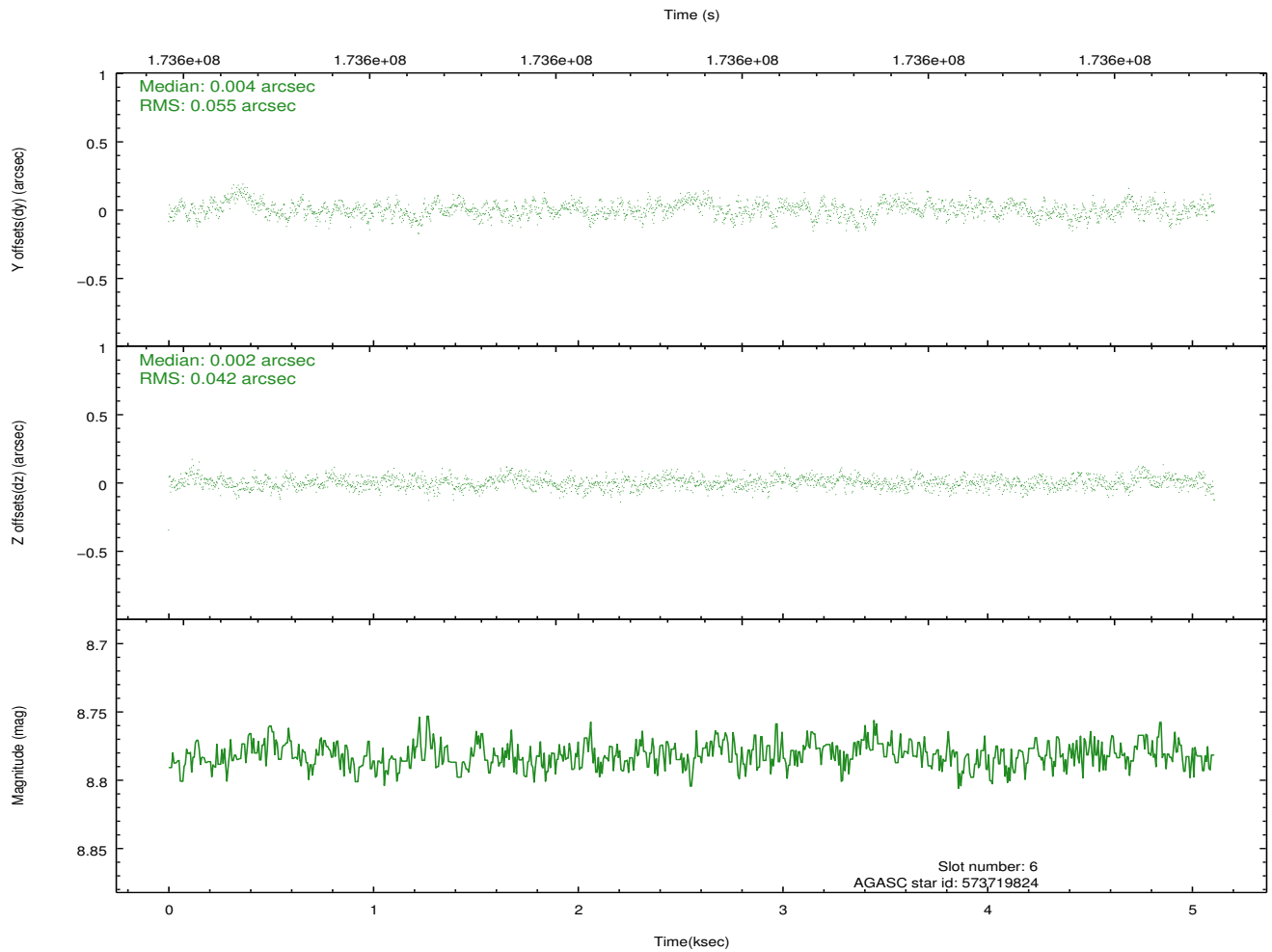
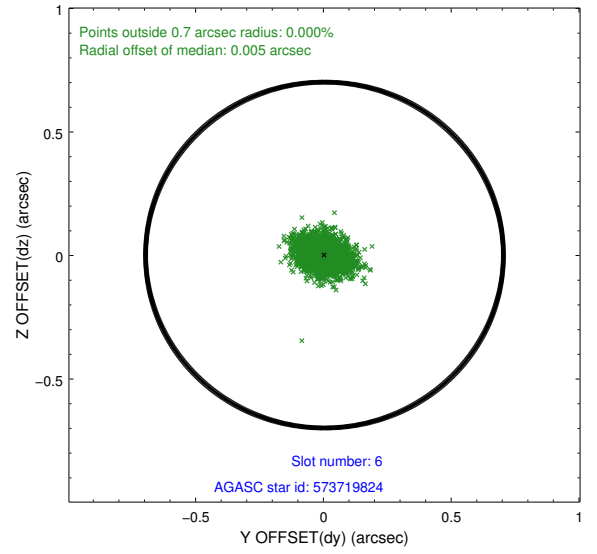
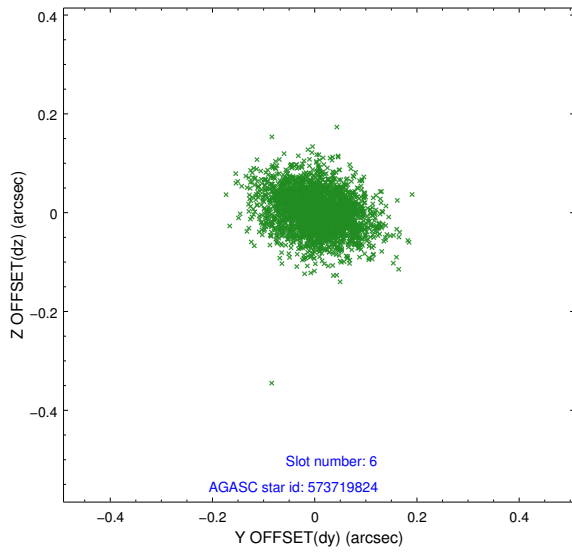
2.4.2 Slot 4



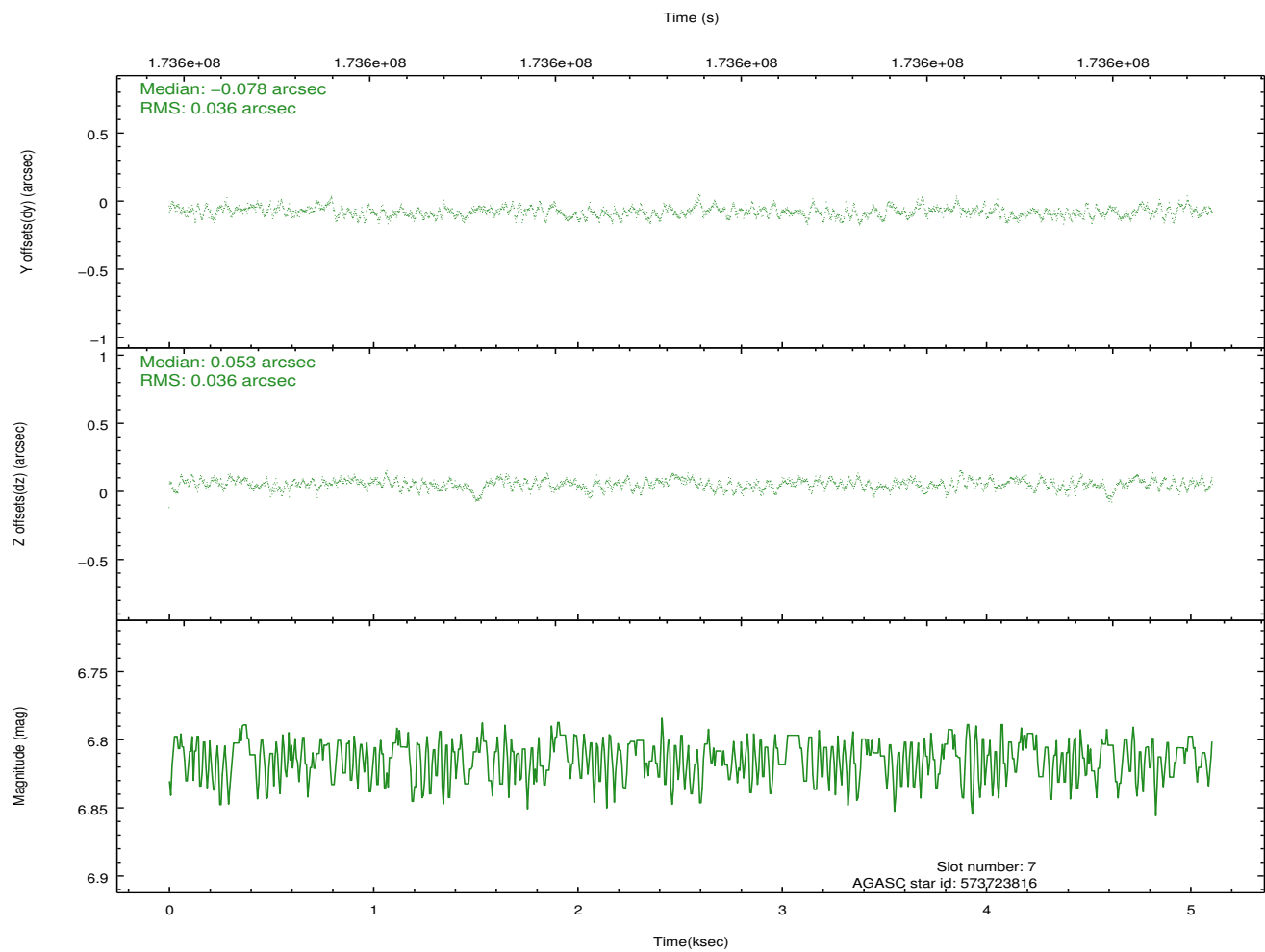
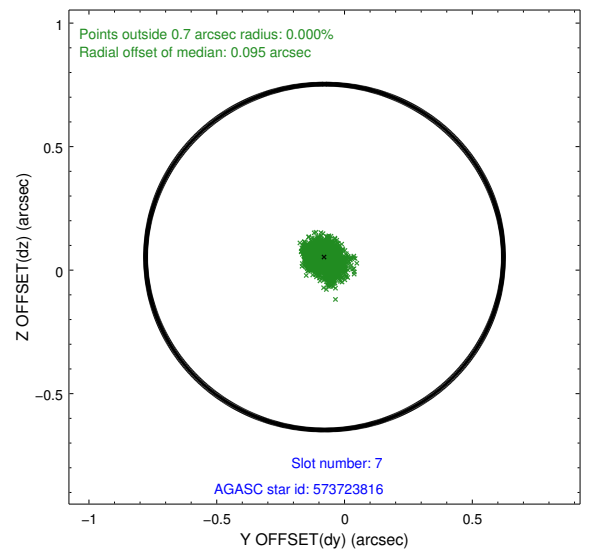
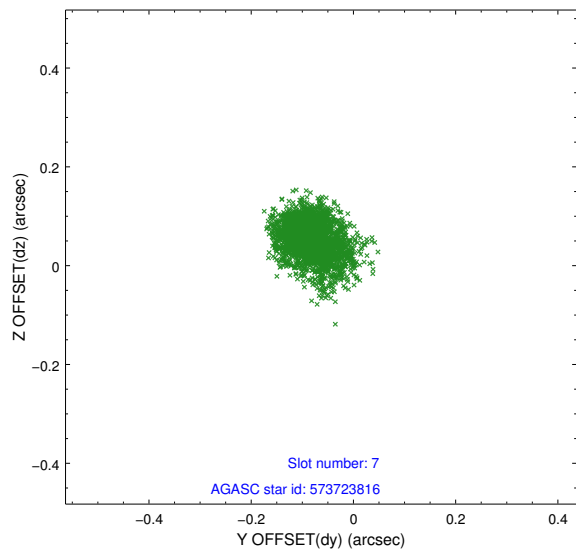
2.4.3 Slot 5



2.4.4 Slot 6

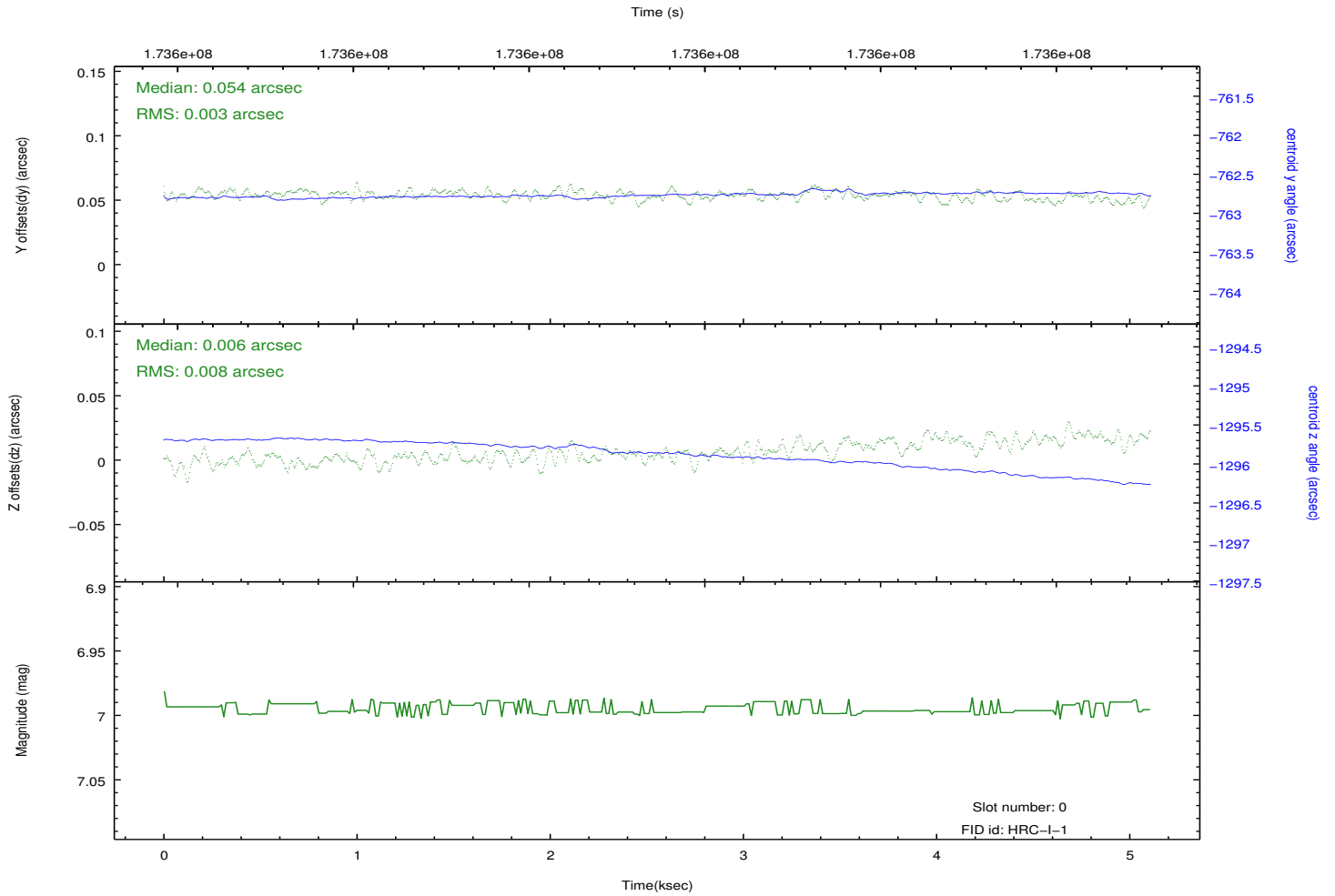
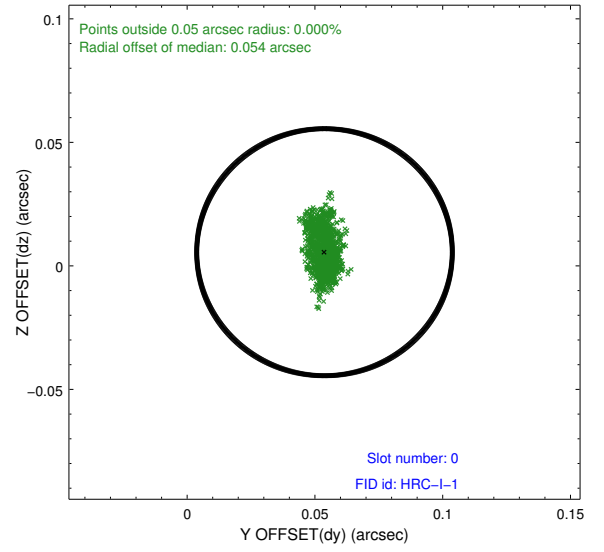
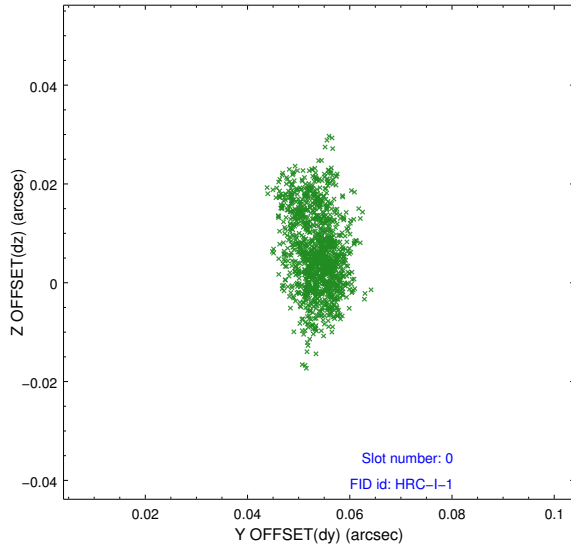


2.4.5 Slot 7

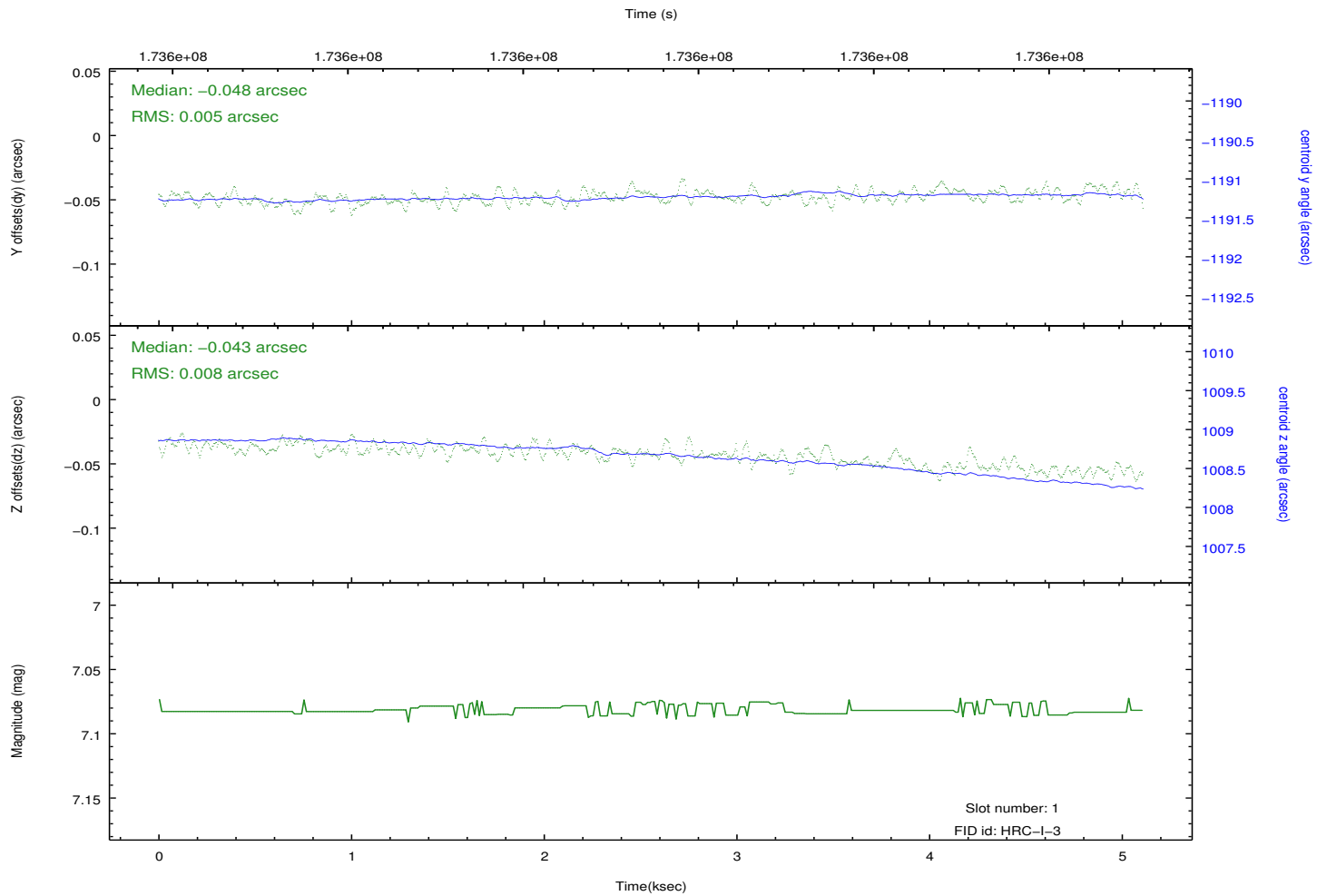
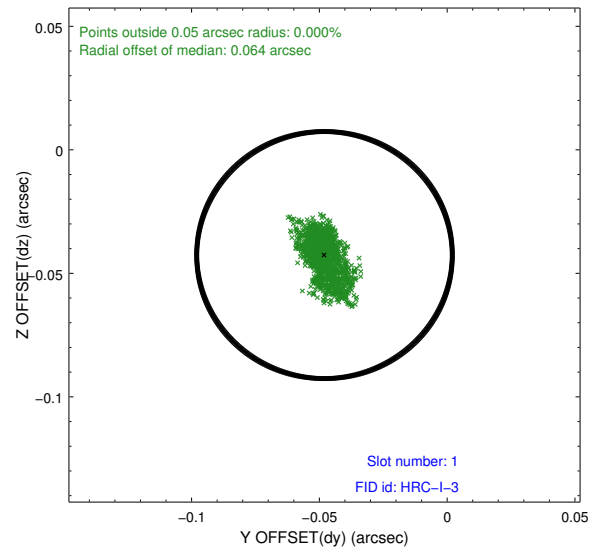
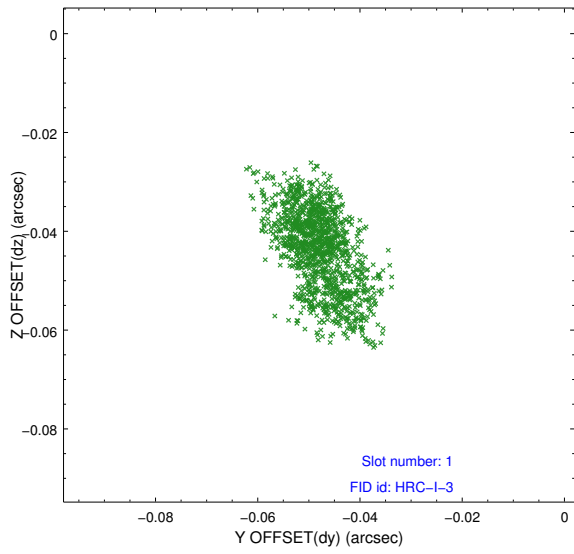


2.5 FID Slots

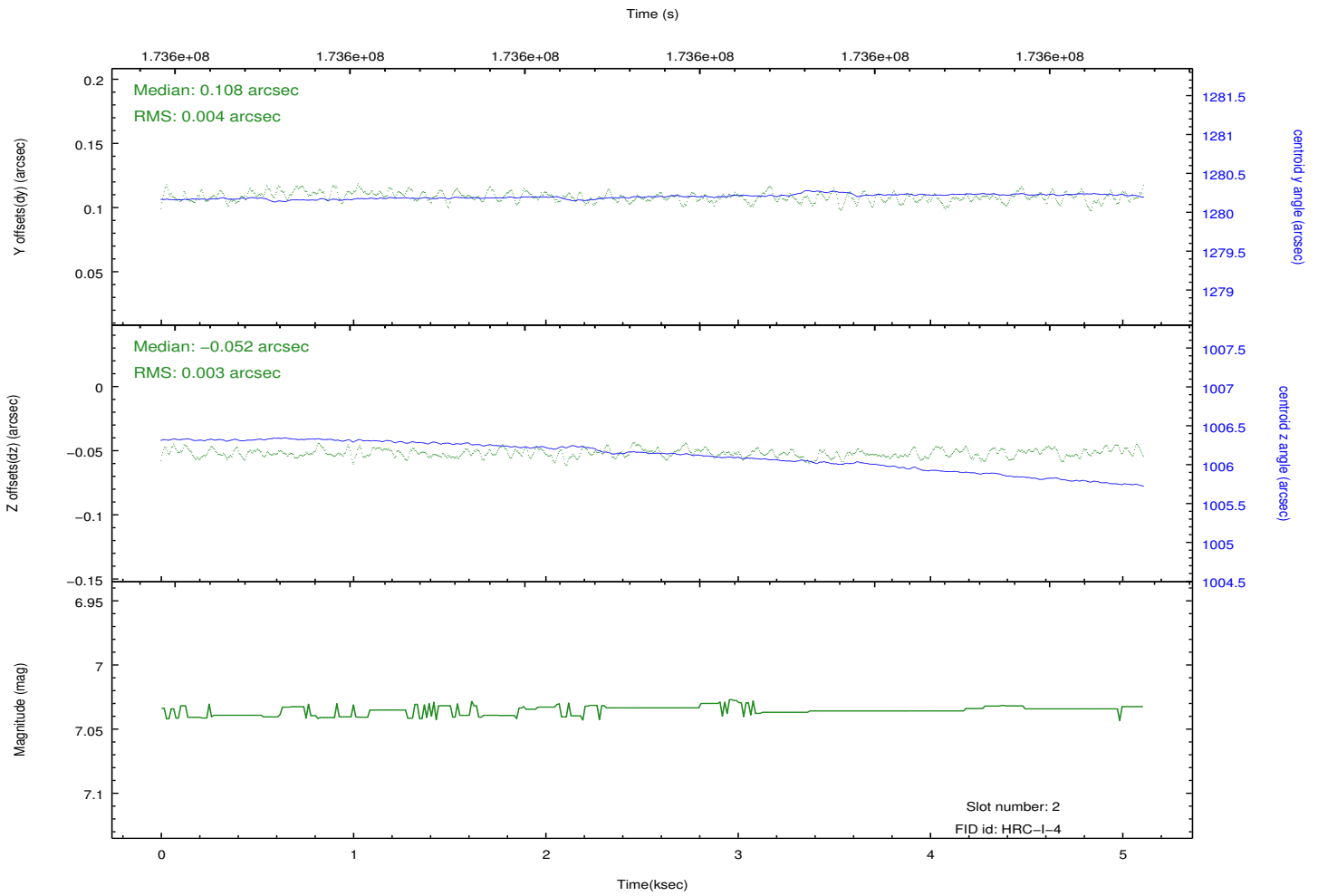
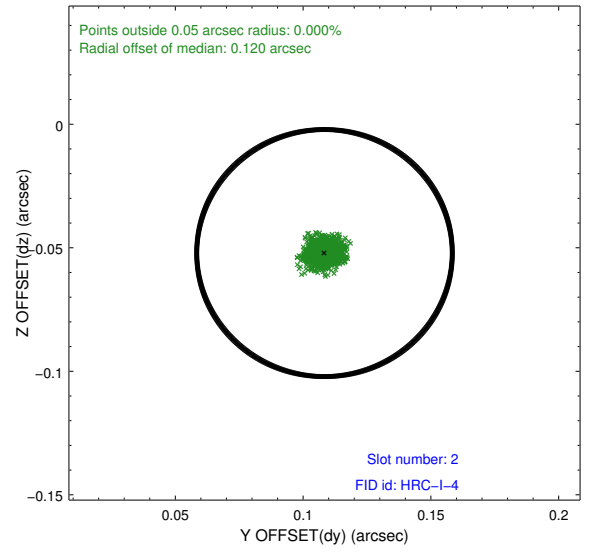
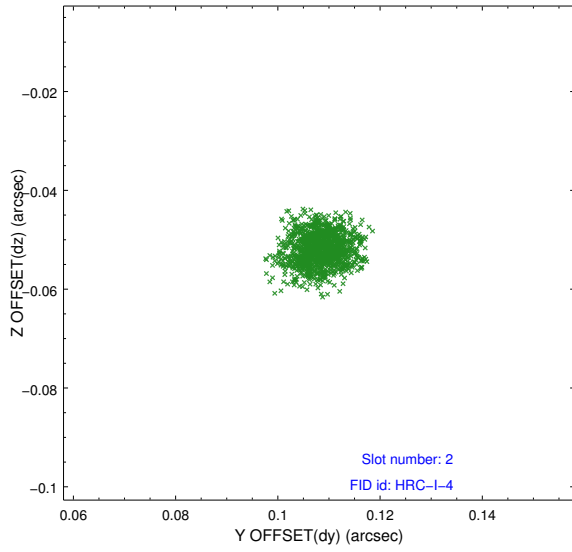
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.894

A.2 Comments

Joint proposal with HST.