

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 302 - L2 Version 7
Chandra X-Ray Center

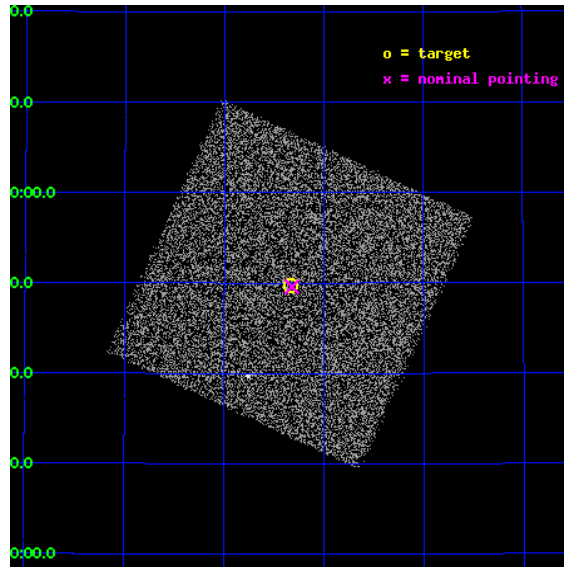
L2 Processing Date : Sep 17 2012

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1 Front

seq_num	600062	Sequence number
obs_id	302	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - North 2	Source name
ra_targ	11.333333	Observer's specified target RA [deg]
dec_targ	41.829722	Observer's specified target Dec [deg]
ra_nom	11.330194674833	Nominal RA [deg]
dec_nom	41.82650205847	Nominal Dec [deg]
roll_nom	249.71783059093	Nominal Roll [deg]
revision	7	Processing version of data
ontime	983.23128753901	[s]
liveltime	978.48862032504	Ontime multiplied by DTCOR
l2events	26068	Number of level 2 events

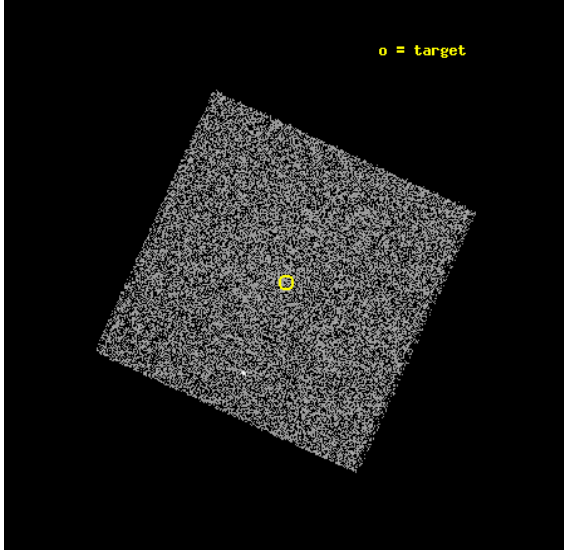


2 OBI

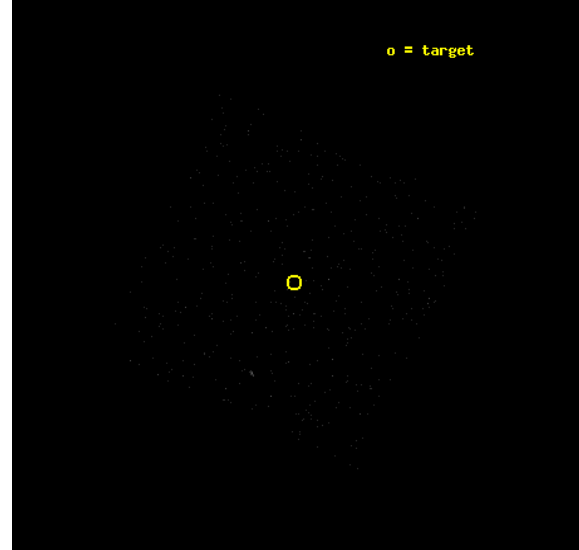
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	983.23128753901	[s]
caldbver	4.5.1.1	 	l1events	44687	Number of level 1 events
date	2012-09-17T14:29:40	Date and time of file creation			
revision	7	Processing version of data			

2.1.3 Events

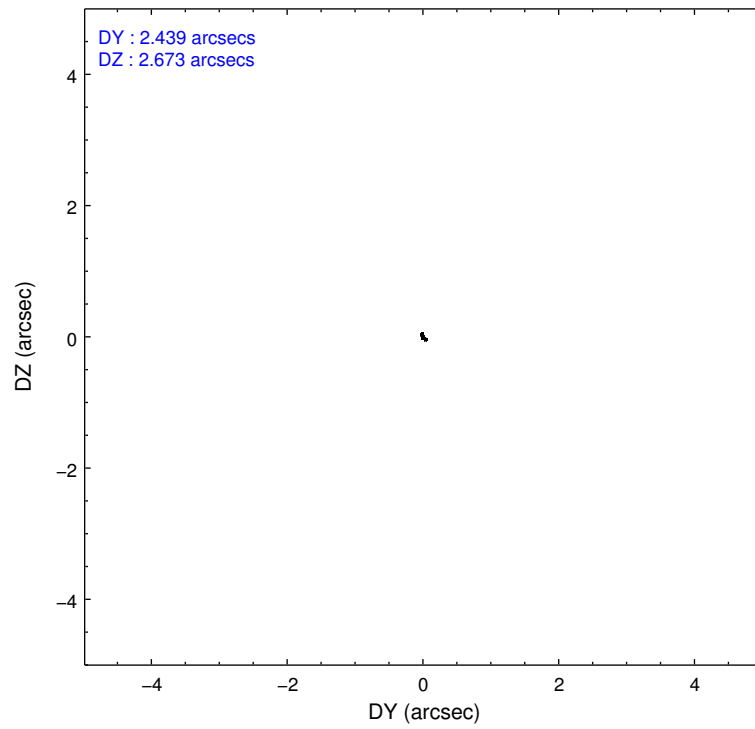
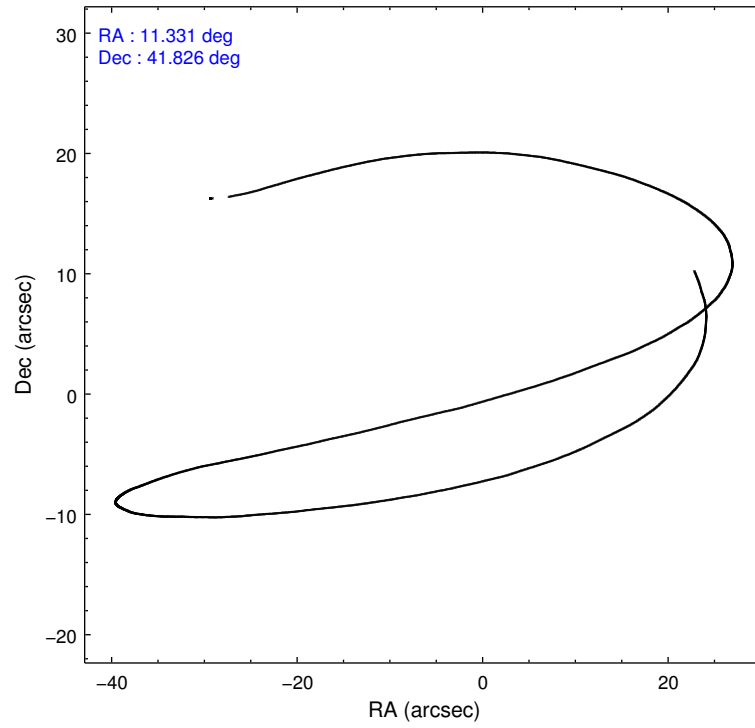
Level 1 Events

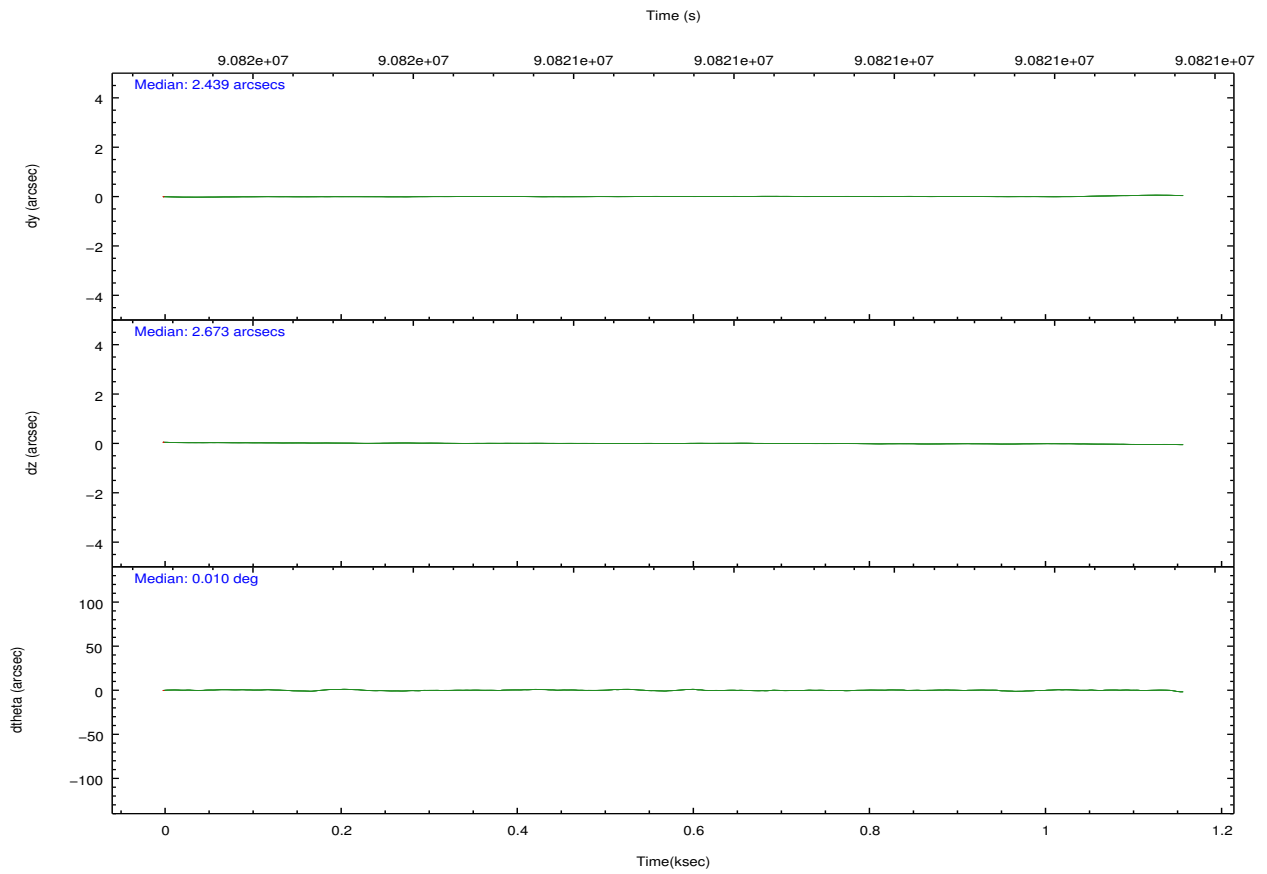
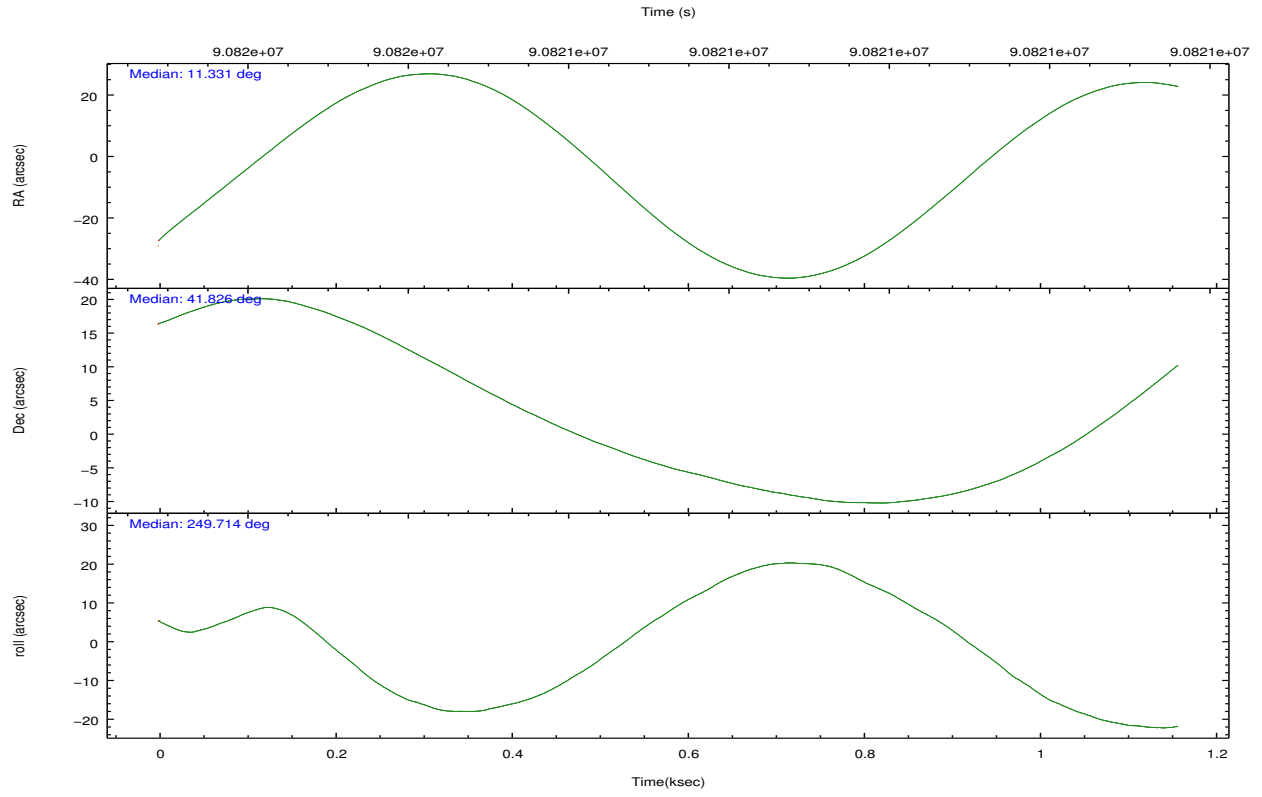
	segment 0
level 1 events	44687
rejected events	6789
rejected %	15%

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	11.322549	11.3301946748327			
[deg] Pointing Dec	41.853265	41.82650205846964			
[deg] Pointing Roll	249.818394	249.7178305909285			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9804656746847			
[mm] SIM translation stage offset	0	0.005023216916882234			
[s] Observation start time (MET)	90820300.184000	90819899.04066899			
Observation start date	2000-11-17T03:50:36	2000-11-17T03:44:59			
[s] Observation end time (MET)	90821300.184000	90821434.49072801			
Observation end date	2000-11-17T04:07:16	2000-11-17T04:10:34			

2.3 Aspect



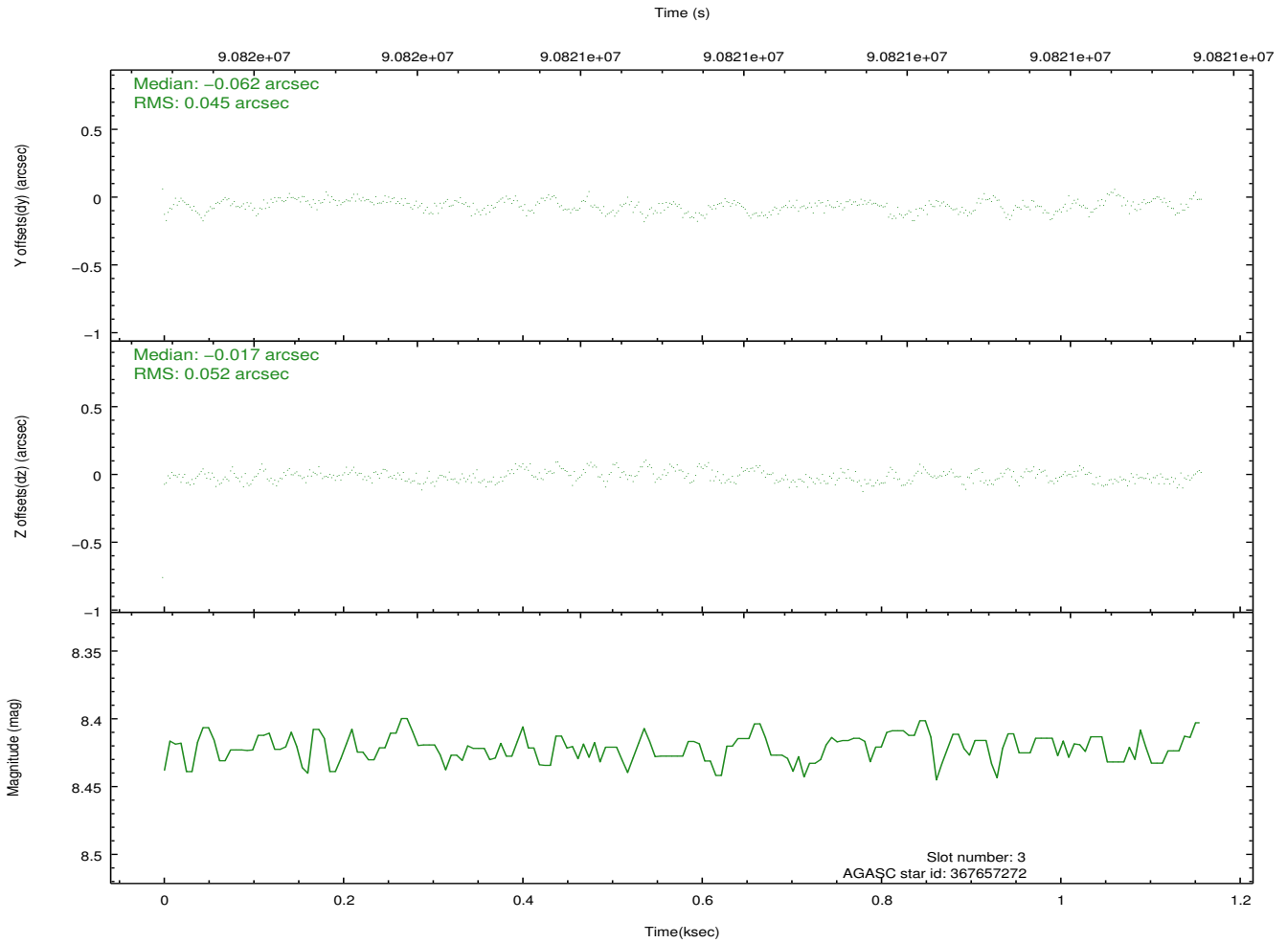
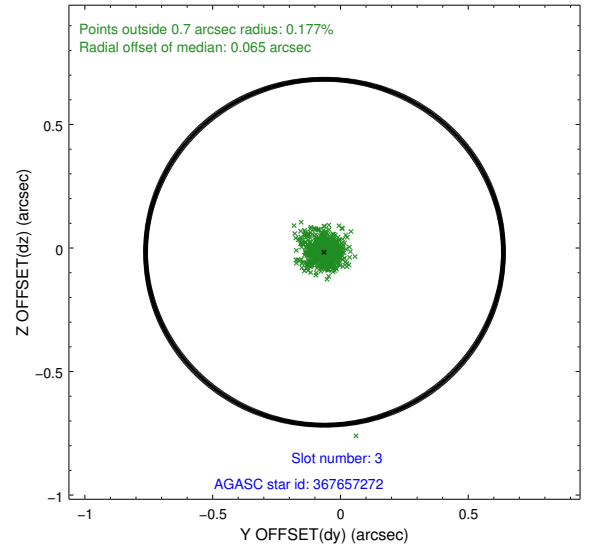
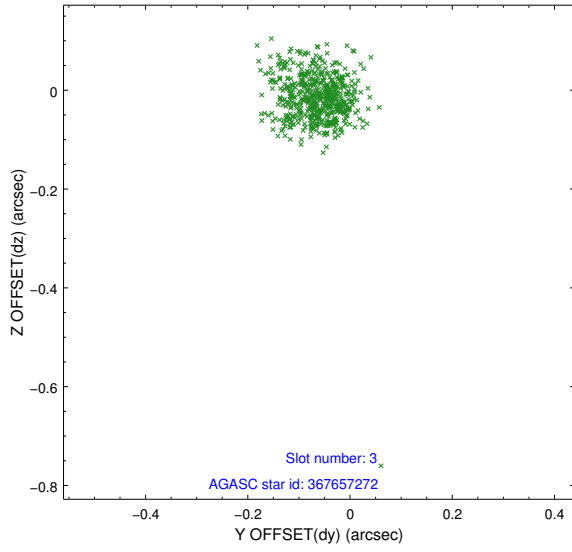


Slot Statistics

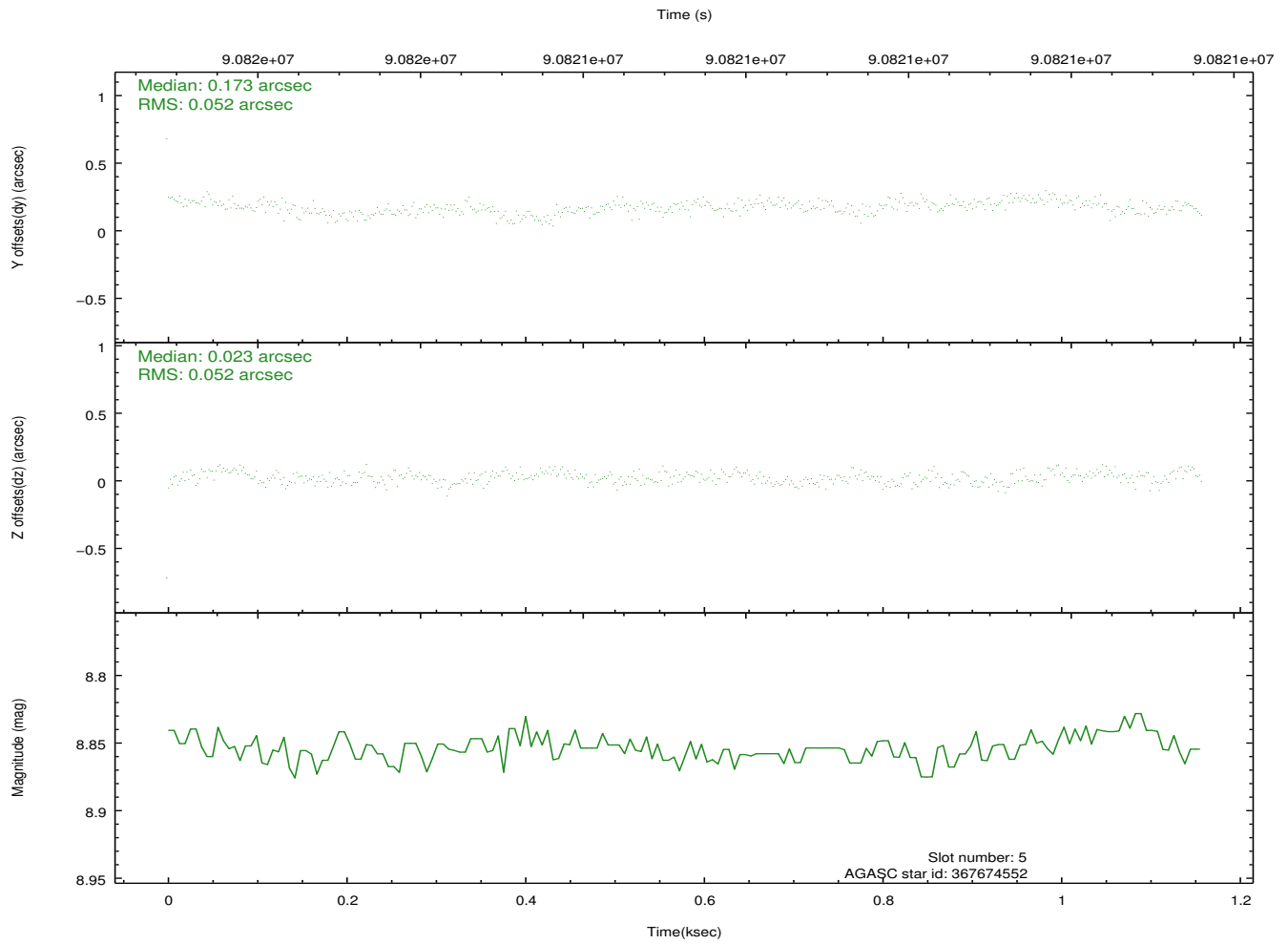
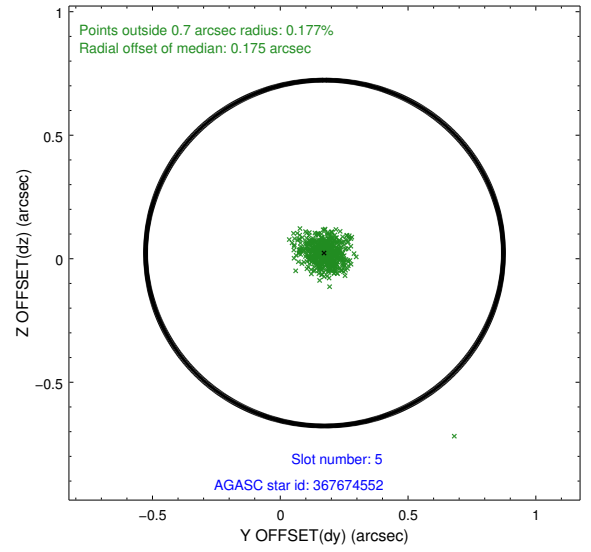
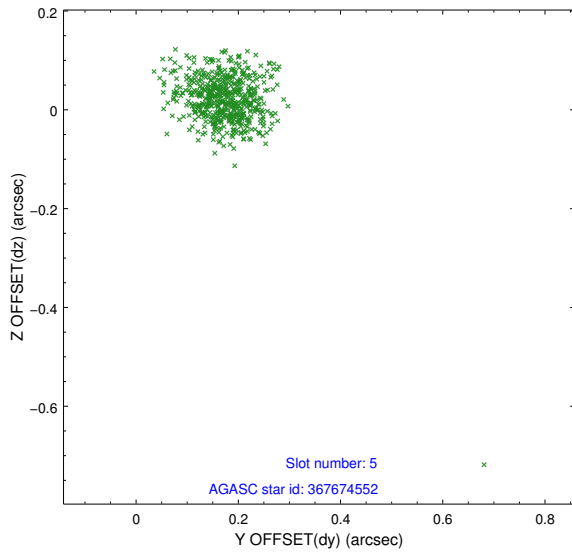
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	283	0.073	0.007	0.005	0.010	0.000000	0.000000	-757.87	-1290.31
1	FID	HRC-I-3	7.05	283	0.011	-0.027	0.006	0.012	0.000000	0.000000	-1189.03	1009.68
2	FID	HRC-I-4	6.99	283	0.030	-0.070	0.005	0.009	0.000000	0.000000	1280.75	1015.29
3	GUIDE	367657272	8.42	566	-0.062	-0.017	0.064	0.108	11.834471	41.298907	1393.03	1984.43
4	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
5	GUIDE	367674552	8.85	566	0.173	0.023	0.066	0.112	11.016238	41.570845	1241.77	-422.77
6	GUIDE	367671800	9.40	566	-0.078	-0.030	0.084	0.143	10.554735	41.964935	326.95	-2074.02
7	GUIDE	367670520	9.26	565	-0.026	0.009	0.073	0.116	11.265516	42.371946	-1698.17	-792.68

2.4 Star Slots

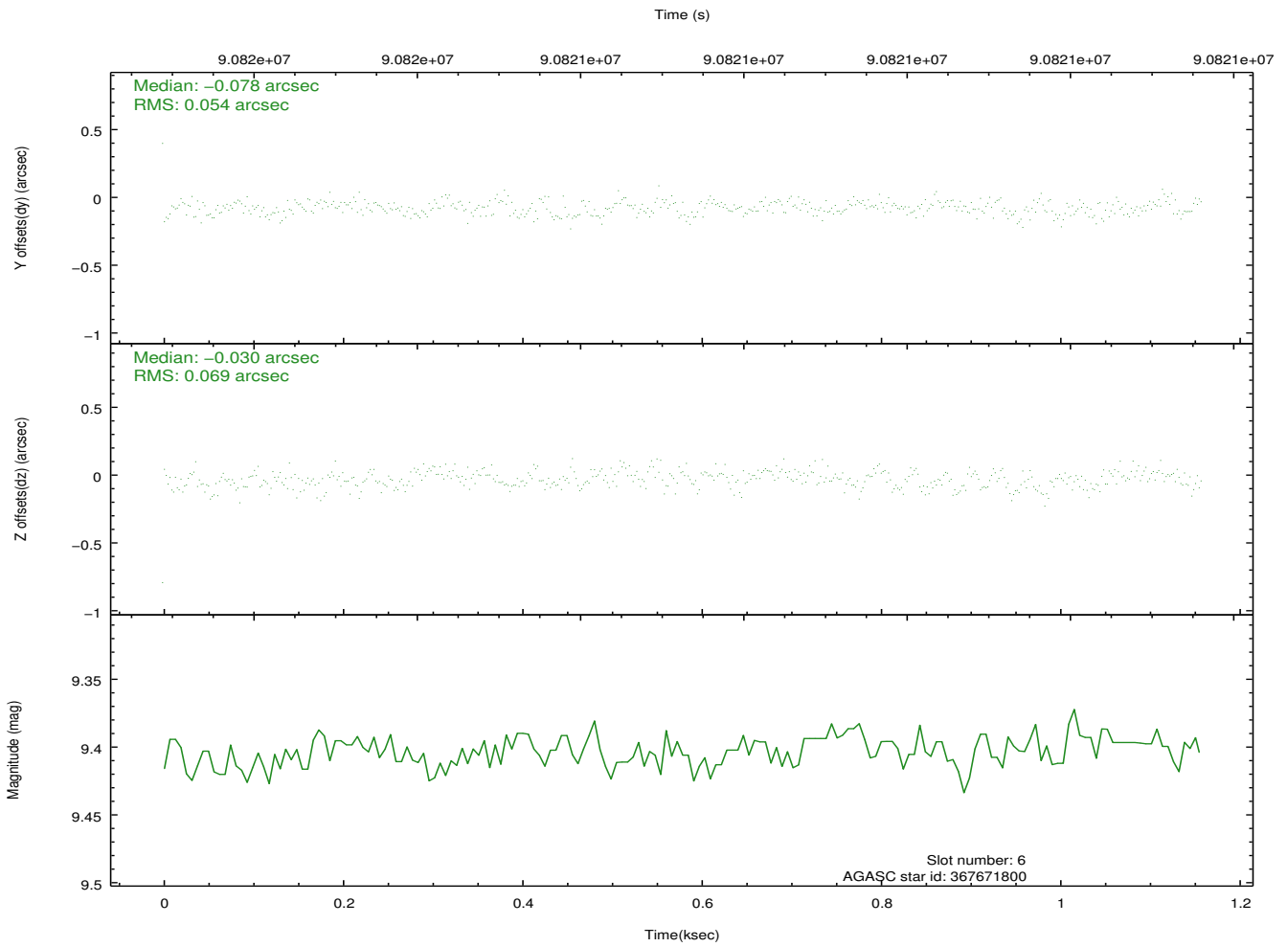
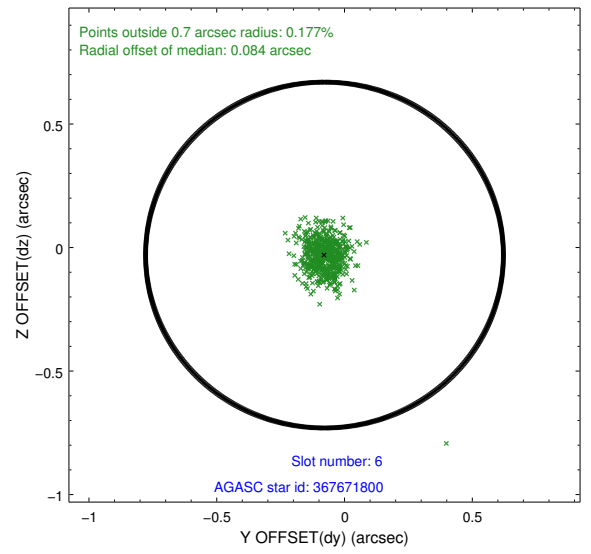
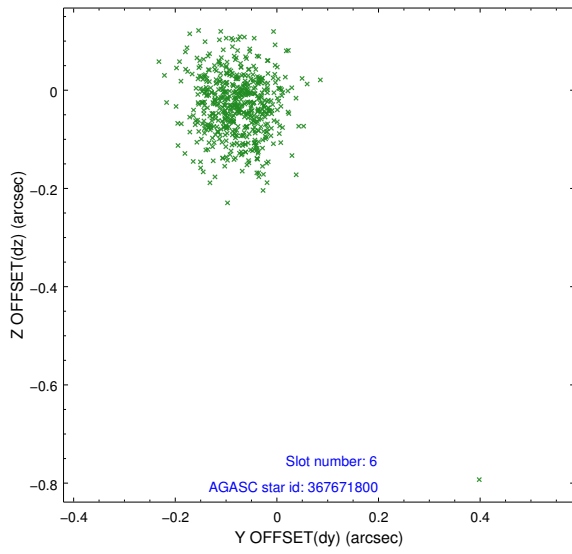
2.4.1 Slot 3



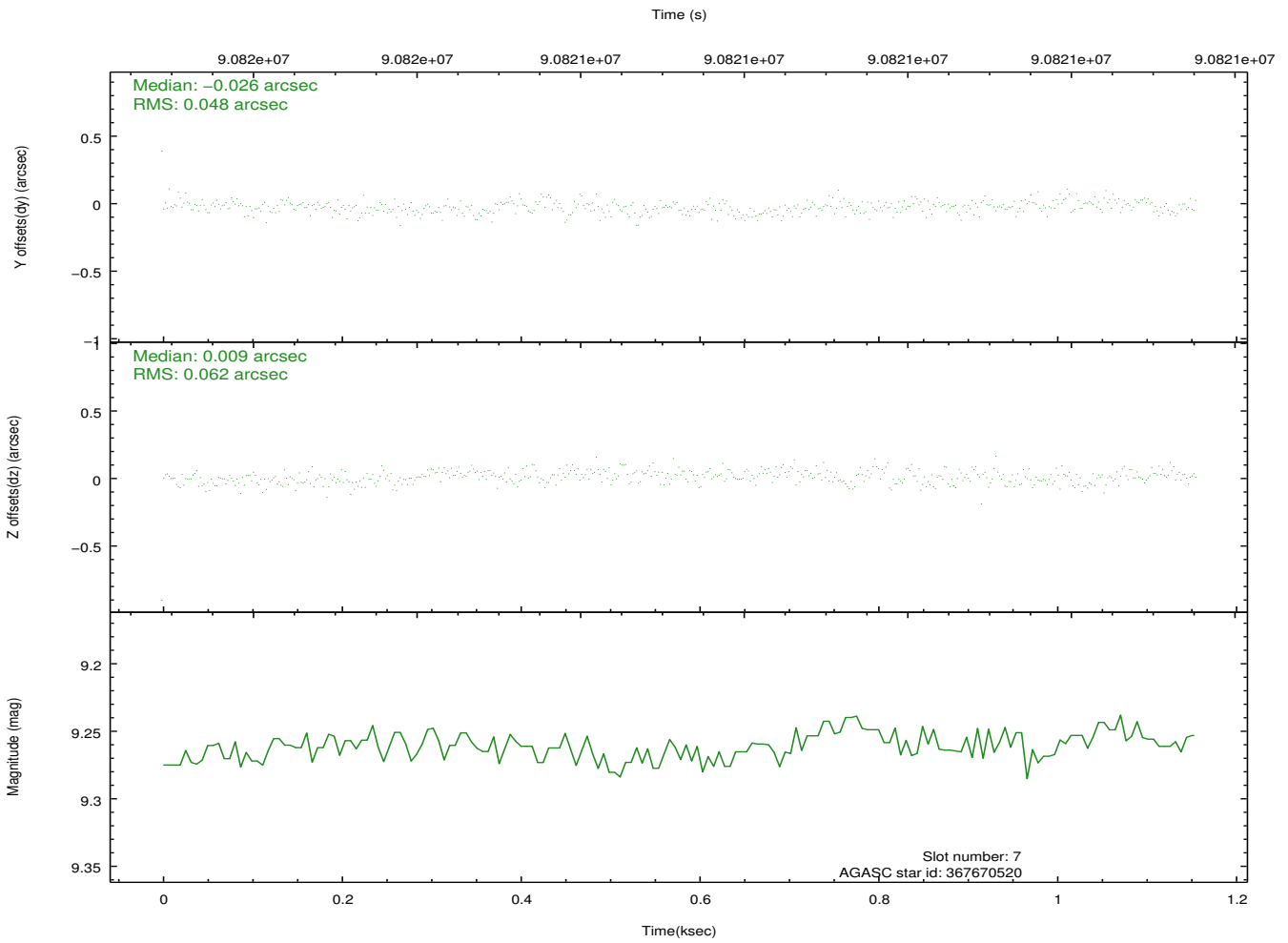
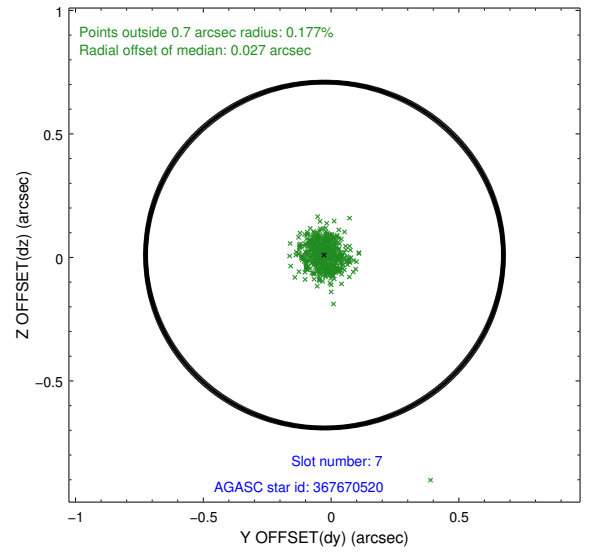
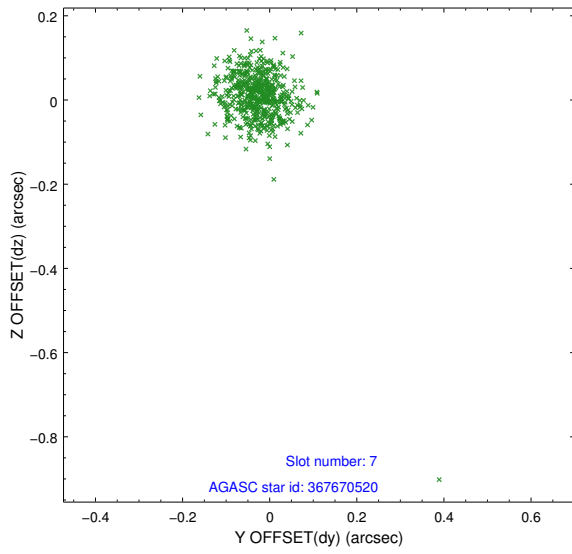
2.4.2 Slot 5



2.4.3 Slot 6

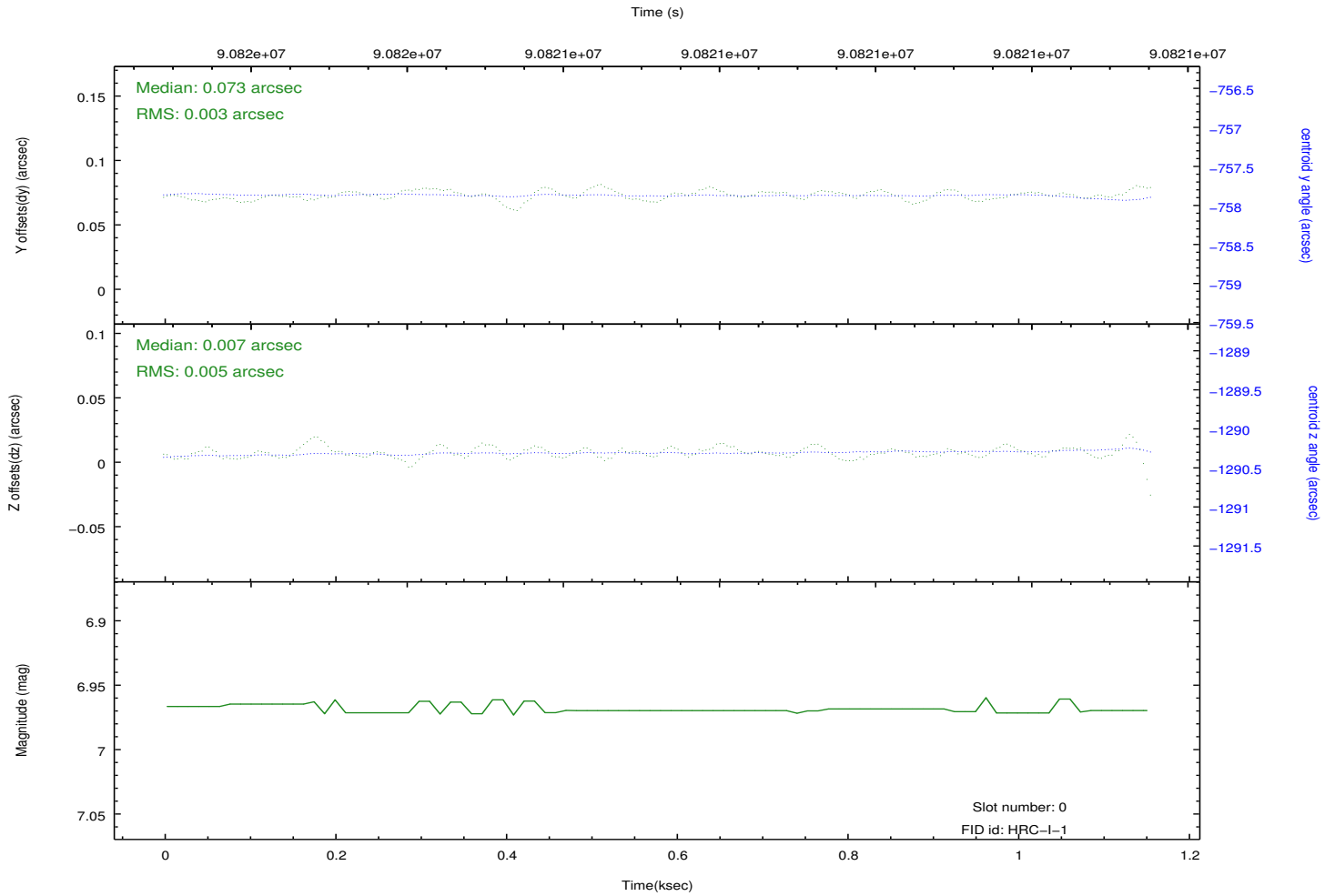
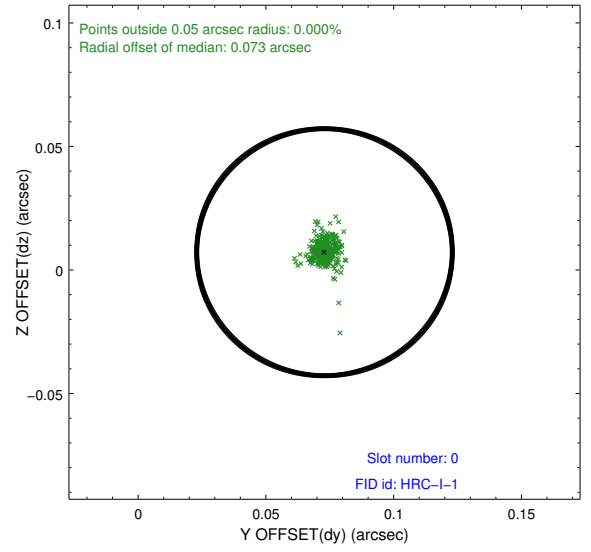
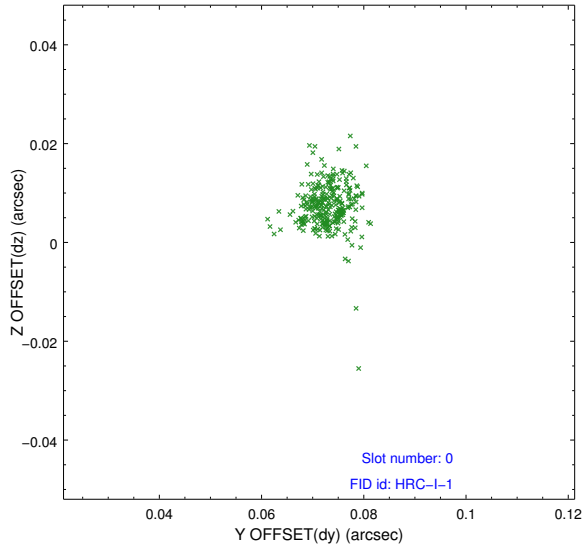


2.4.4 Slot 7

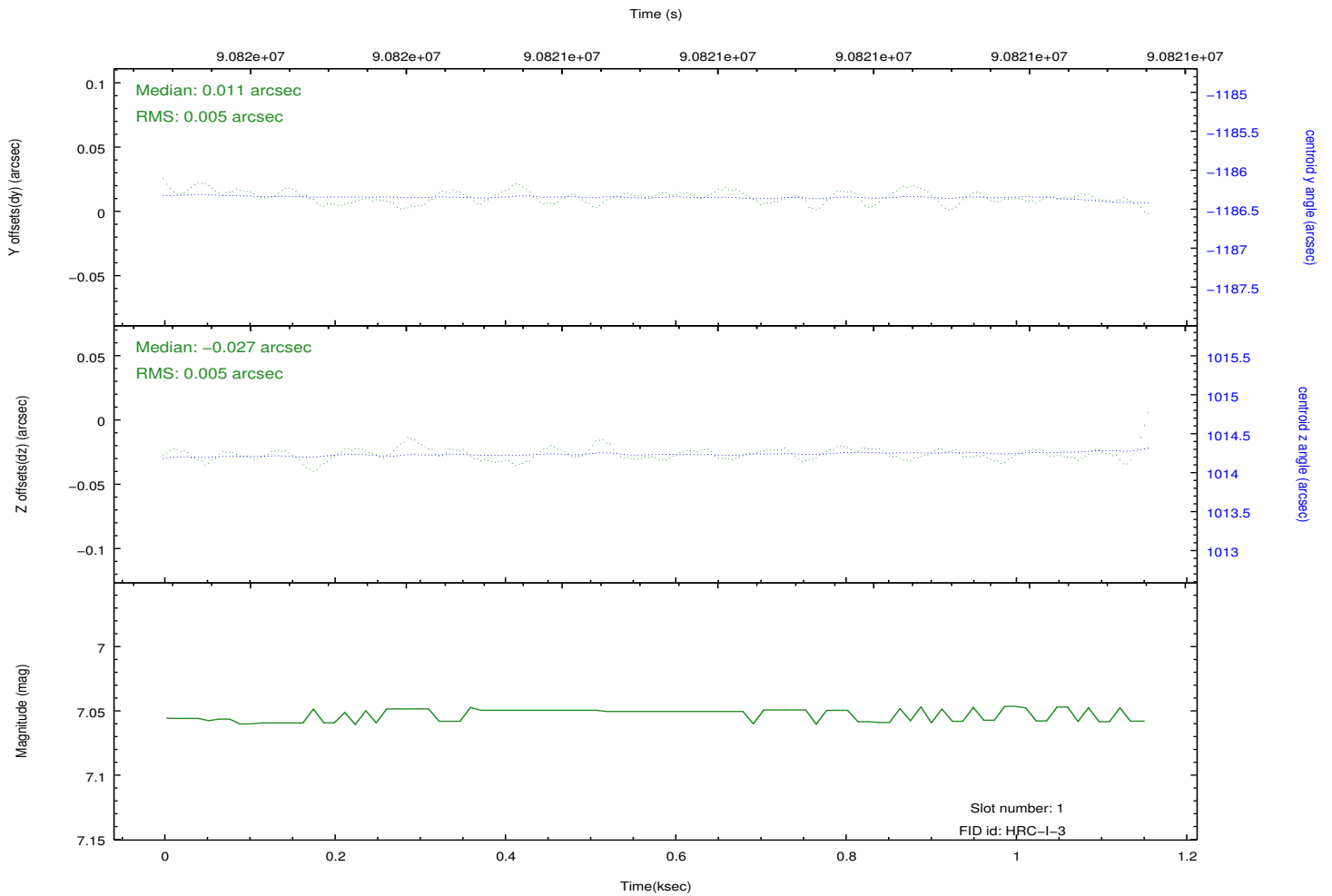
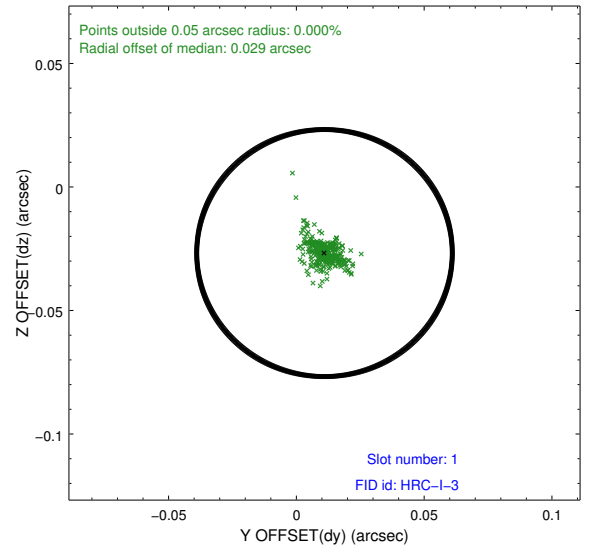
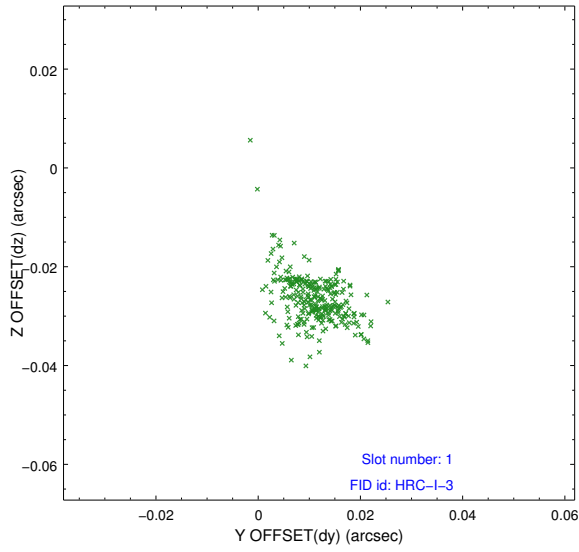


2.5 FID Slots

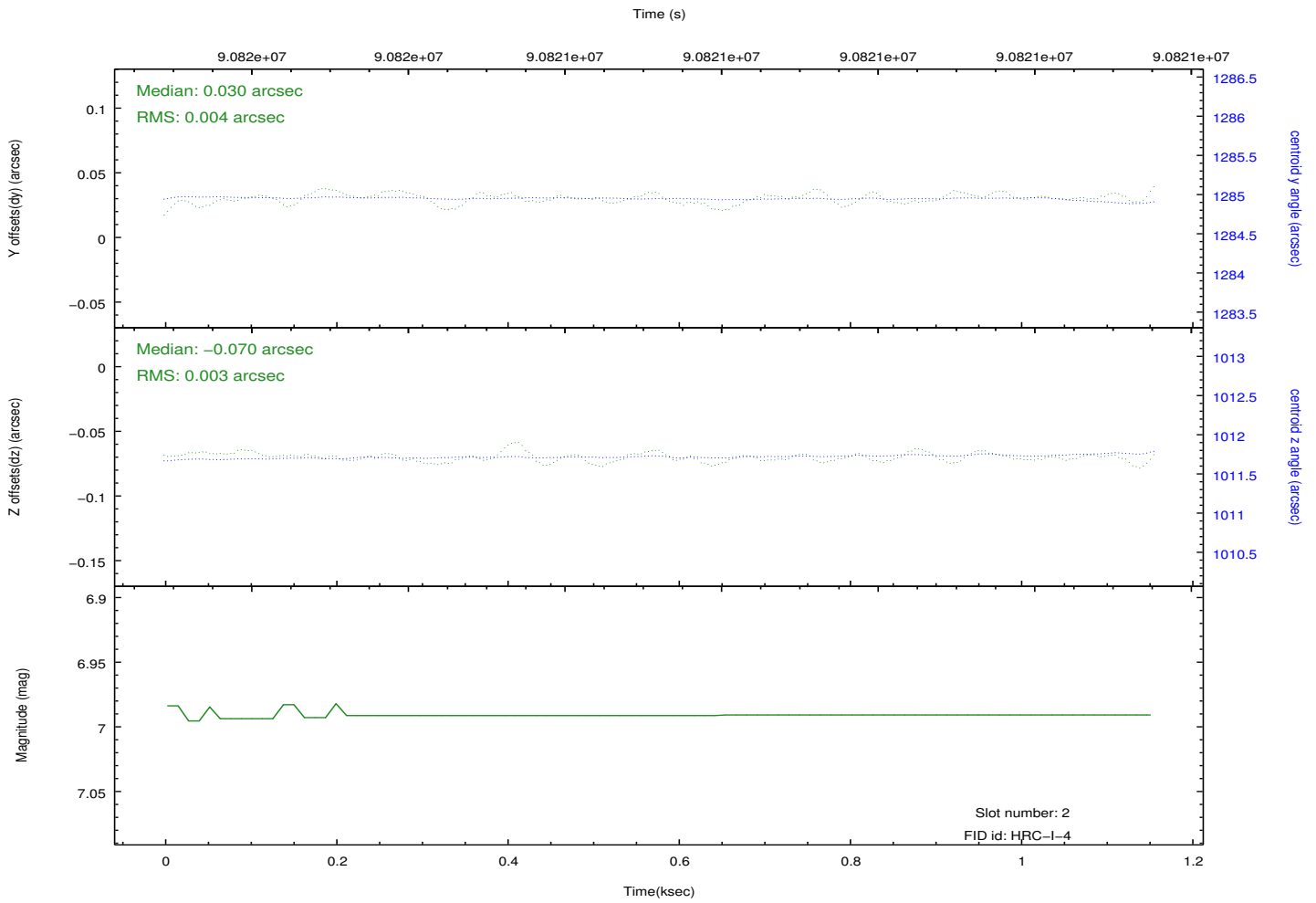
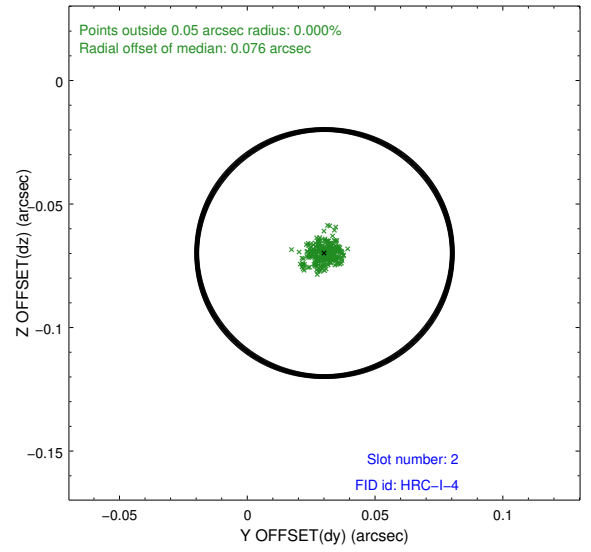
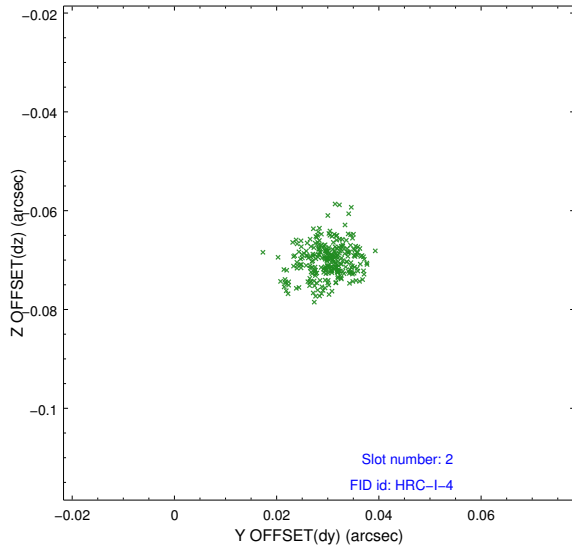
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.983

A.2 Comments

The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.