

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 248 - L2 Version 7
Chandra X-Ray Center

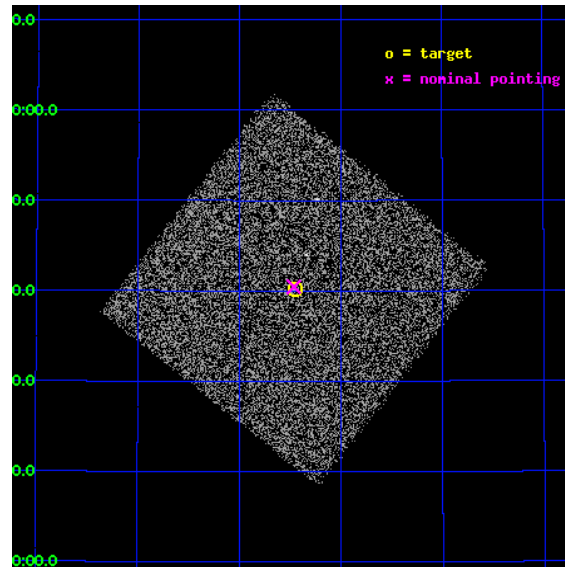
L2 Processing Date : Sep 4 2012

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1 Front

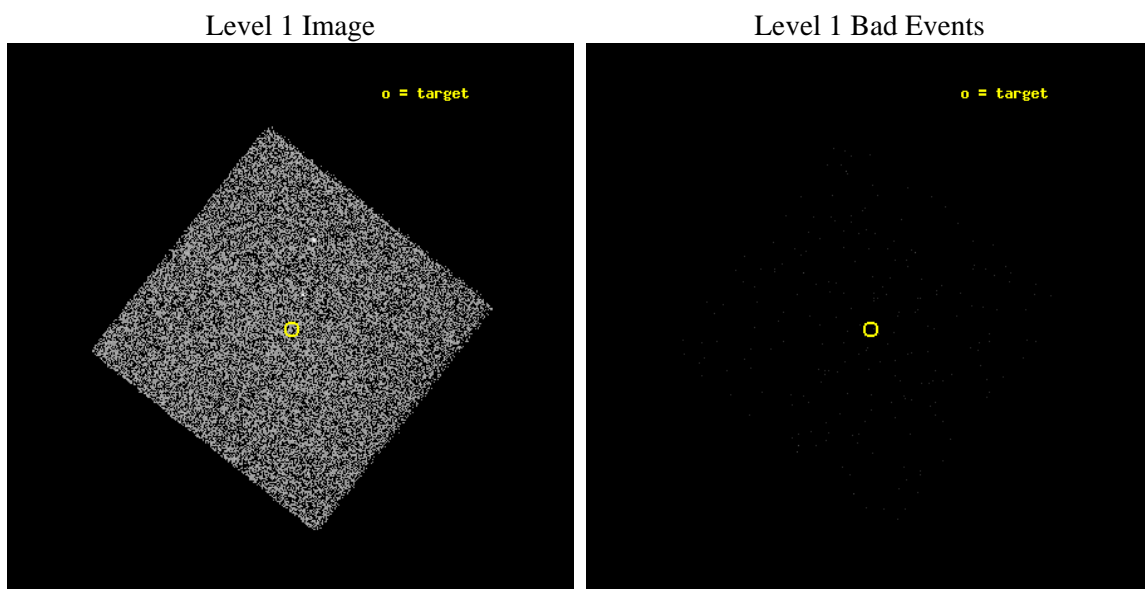
seq_num	600008	Sequence number
obs_id	248	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - South 2	Source name
ra_targ	10.1125	Observer's specified target RA [deg]
dec_targ	40.67	Observer's specified target Dec [deg]
ra_nom	10.115681481999	Nominal RA [deg]
dec_nom	40.674210974019	Nominal Dec [deg]
roll_nom	83.442298716711	Nominal Roll [deg]
revision	7	Processing version of data
ontime	1161.5812927186	[s]
livetime	1156.1996614819	Ontime multiplied by DTCOR
l2events	26236	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	1161.5812927186	[s]
caldbver	4.5.1.1	 	l1events	70422	Number of level 1 events
date	2012-09-04T21:16:06	Date and time of file creation			
revision	7	Processing version of data			

2.1.3 Events

Level 1 Events

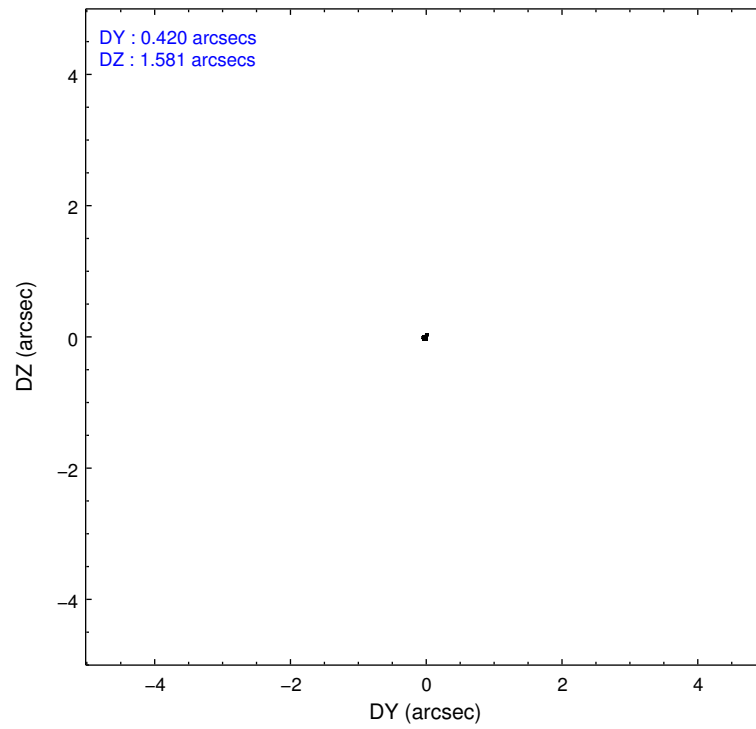
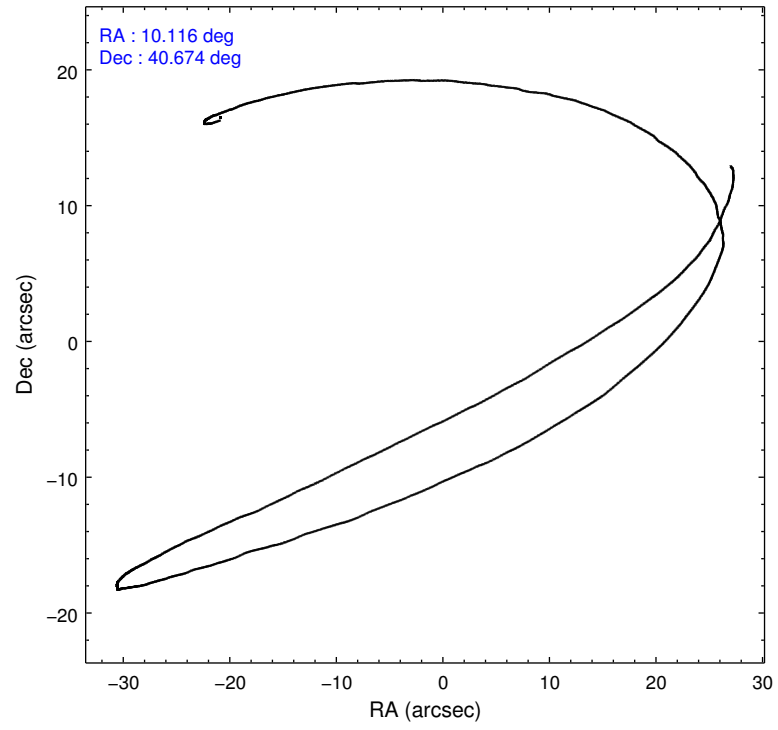
	segment 0
level 1 events	70422
rejected events	30594
rejected %	43%

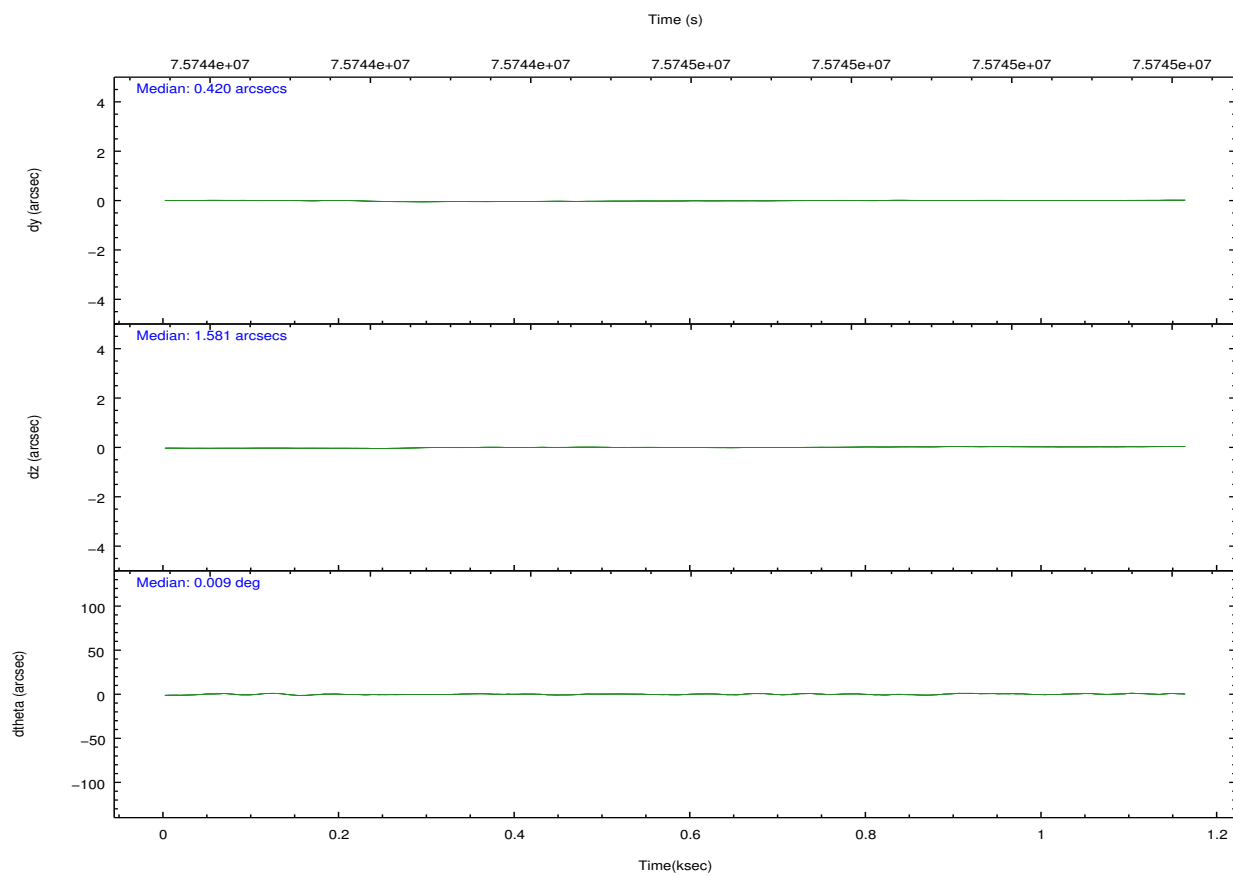
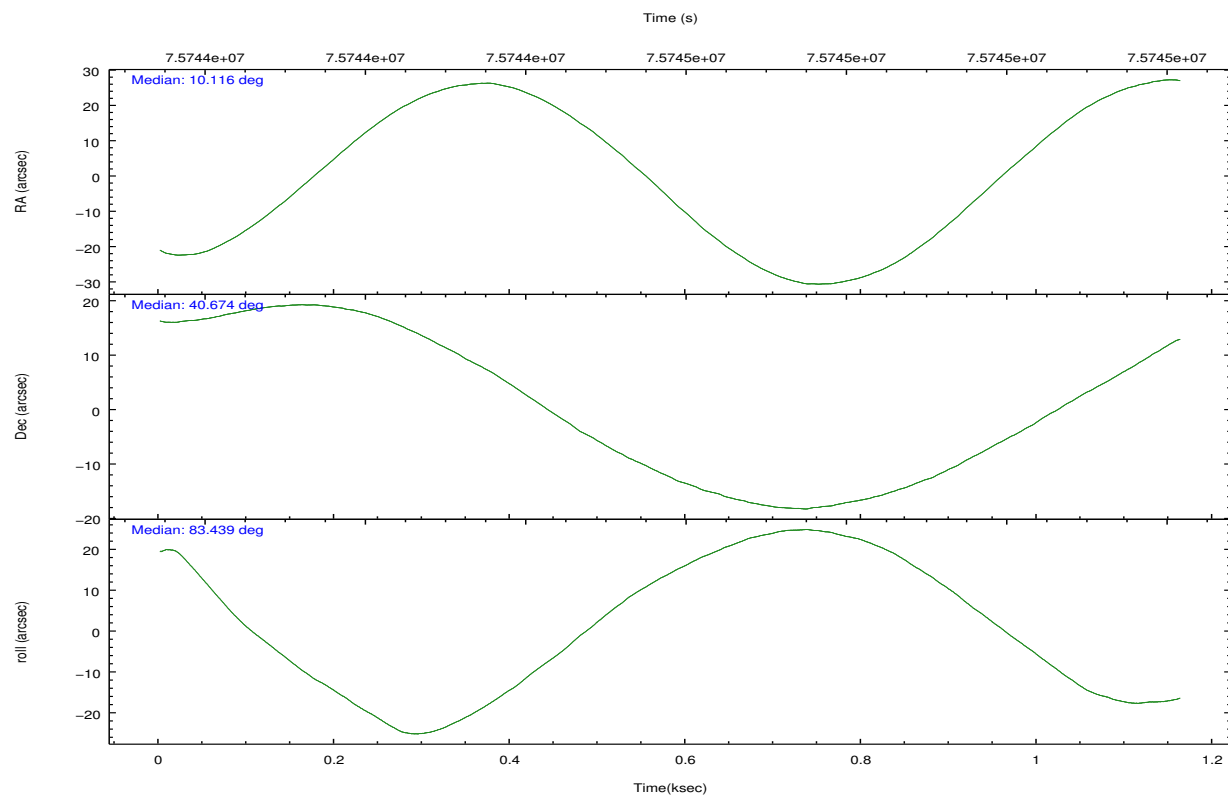
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	10.130149	10.11568148199916
[deg] Pointing Dec	40.649024	40.6742109740193
[deg] Pointing Roll	83.528287	83.44229871671092
[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)	75744164.184000	75743236.514773
Observation start date	2000-05-26T16:01:40	2000-05-26T15:47:16
[s] Observation end time (MET)	75745164.184000	75745298.81484801
Observation end date	2000-05-26T16:18:20	2000-05-26T16:21:38

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



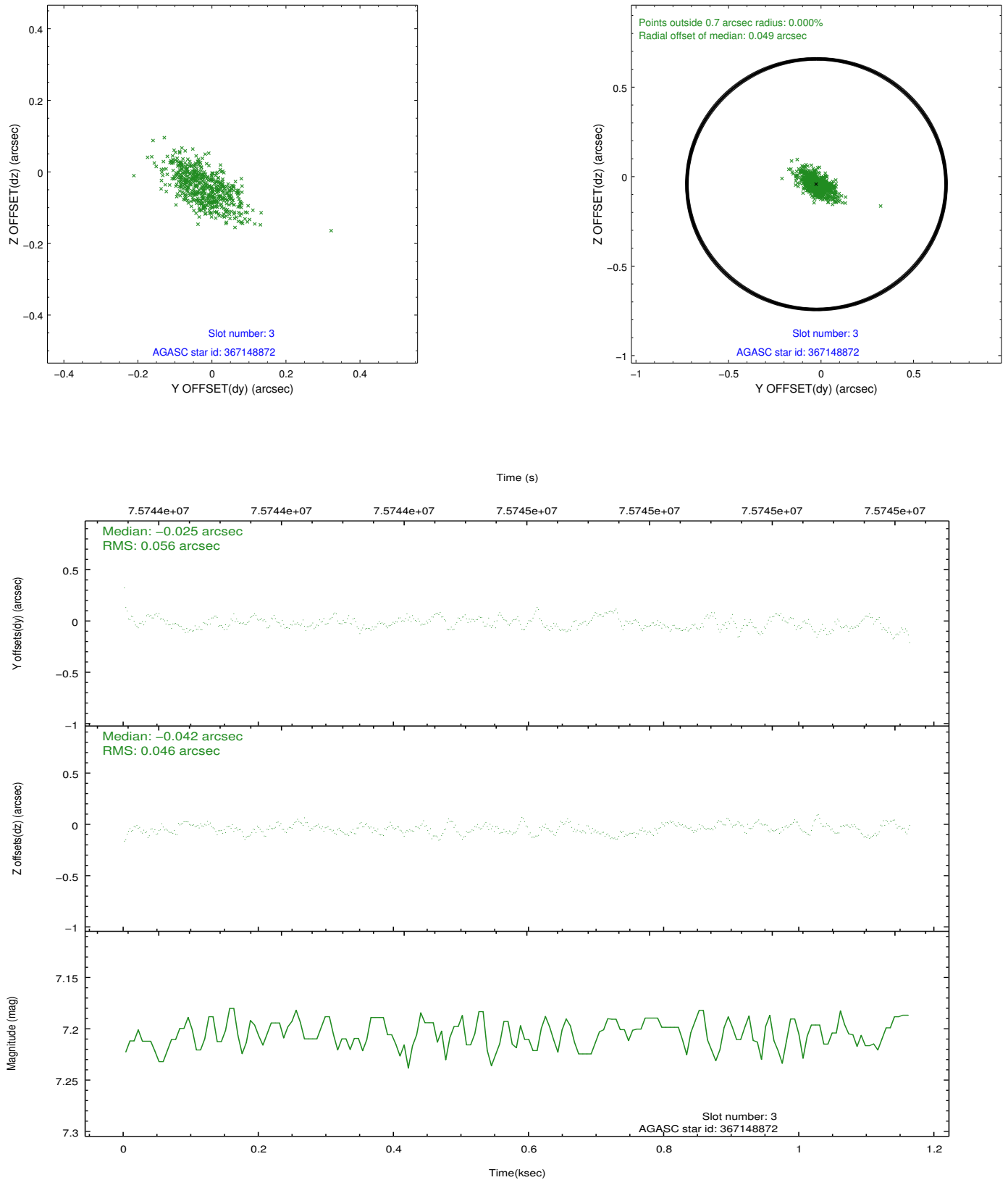


Slot Statistics

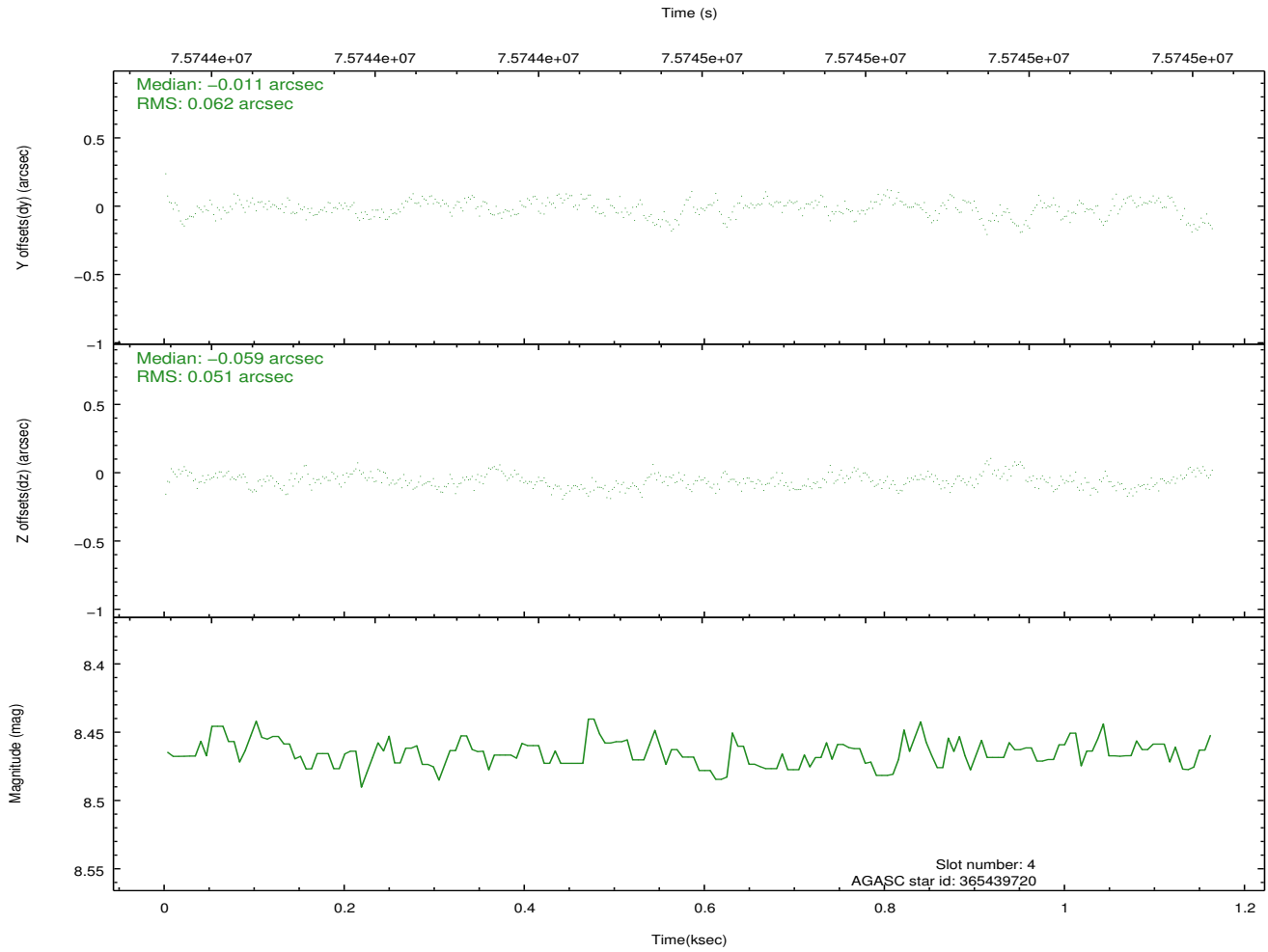
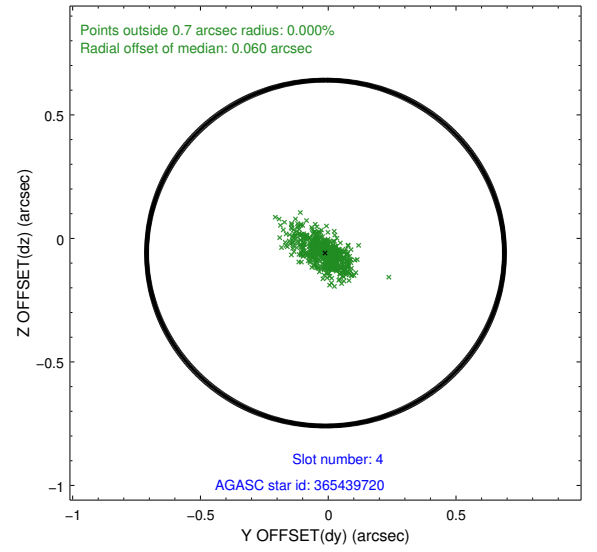
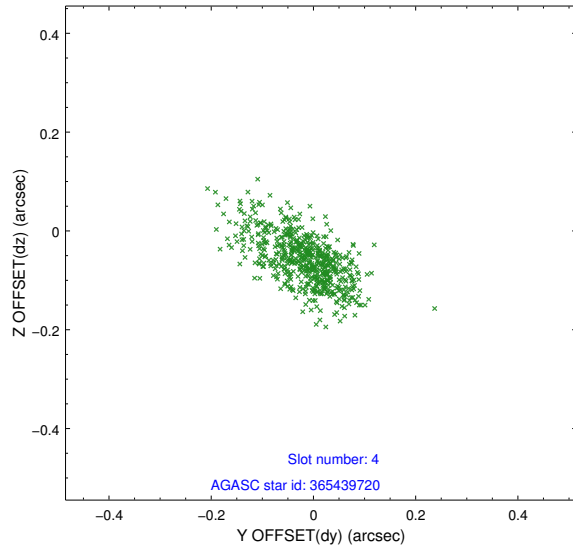
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	284	0.038	-0.032	0.005	0.009	0.000000	0.000000	-755.79	-1289.30
1	FID	HRC-I-3	7.06	284	0.030	-0.026	0.006	0.011	0.000000	0.000000	-1186.93	1010.74
2	FID	HRC-I-4	6.99	284	0.046	-0.031	0.004	0.008	0.000000	0.000000	1282.85	1016.42
3	GUIDE	367148872	7.20	568	-0.025	-0.042	0.073	0.124	10.505940	40.688258	257.07	-1002.28
4	GUIDE	365439720	8.47	567	-0.011	-0.059	0.083	0.146	9.704623	40.431022	-909.14	1069.44
5	GUIDE	367144424	8.65	568	0.018	0.063	0.071	0.123	10.464515	40.309136	-1113.22	-1047.06
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	367145856	9.29	567	0.021	0.058	0.096	0.154	10.744946	40.402085	-690.42	-1775.23

2.4 Star Slots

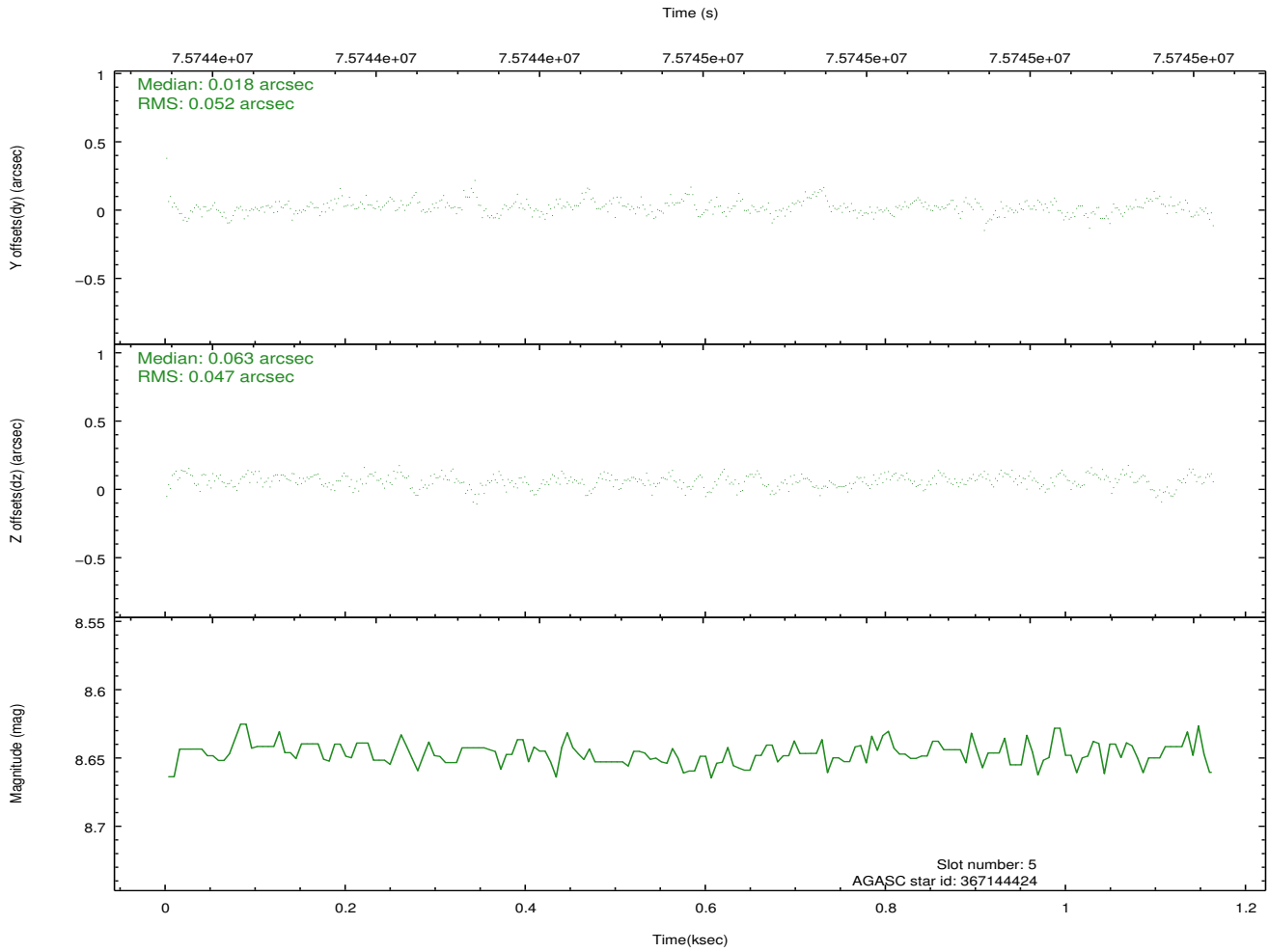
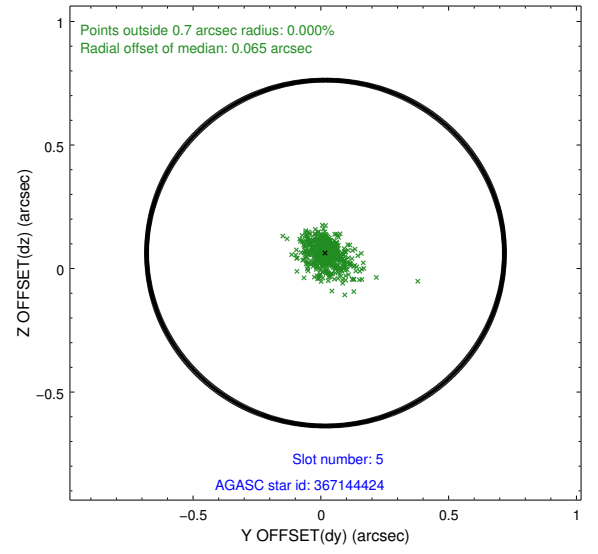
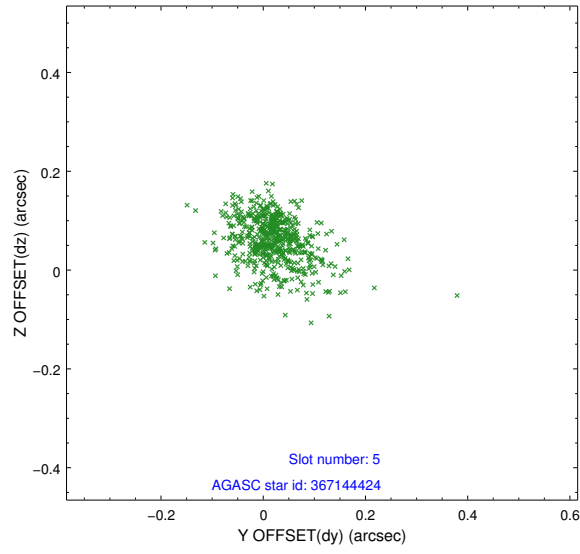
2.4.1 Slot 3



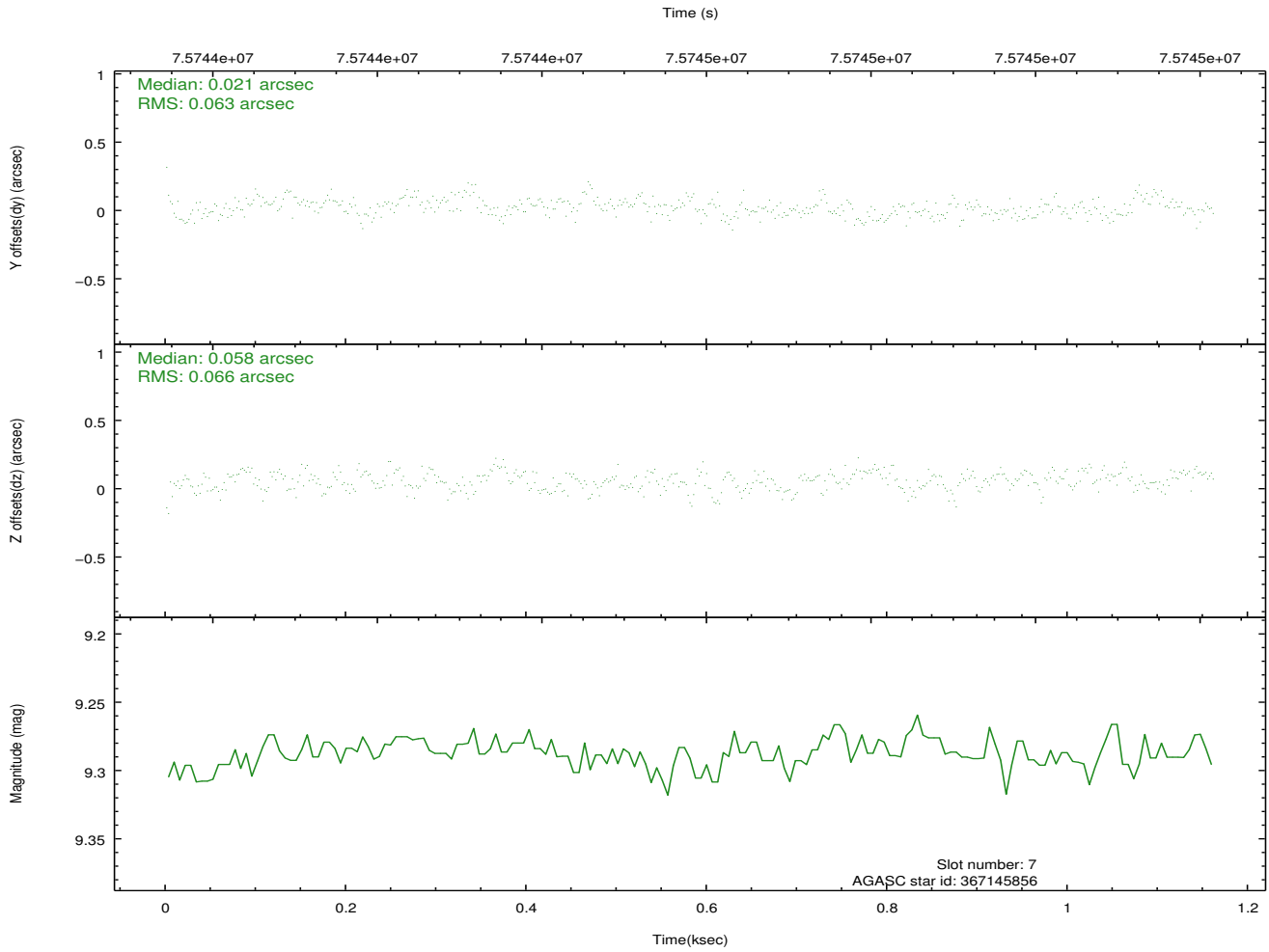
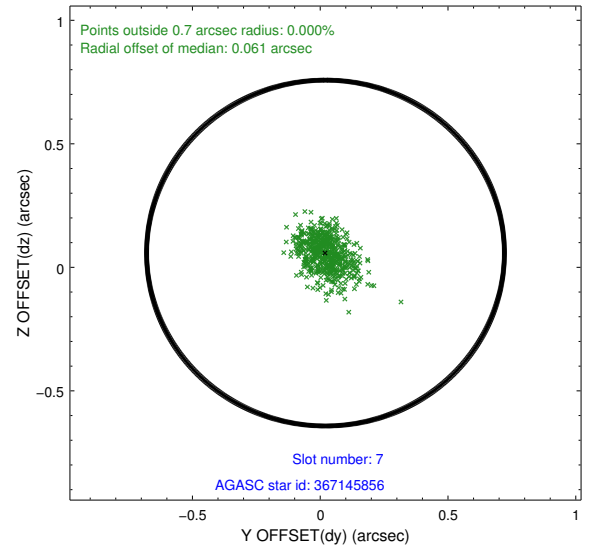
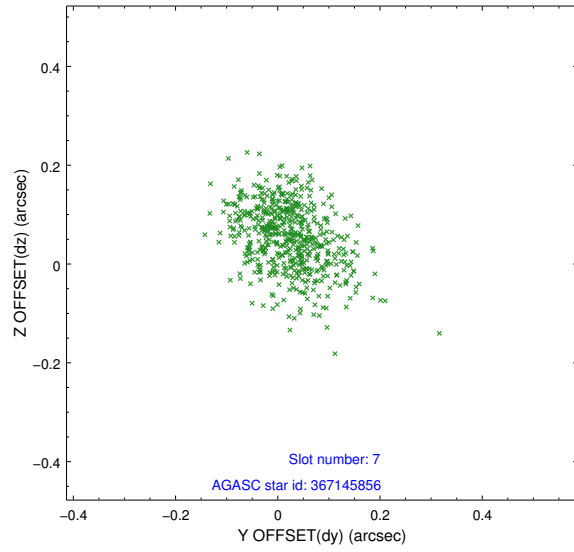
2.4.2 Slot 4



2.4.3 Slot 5

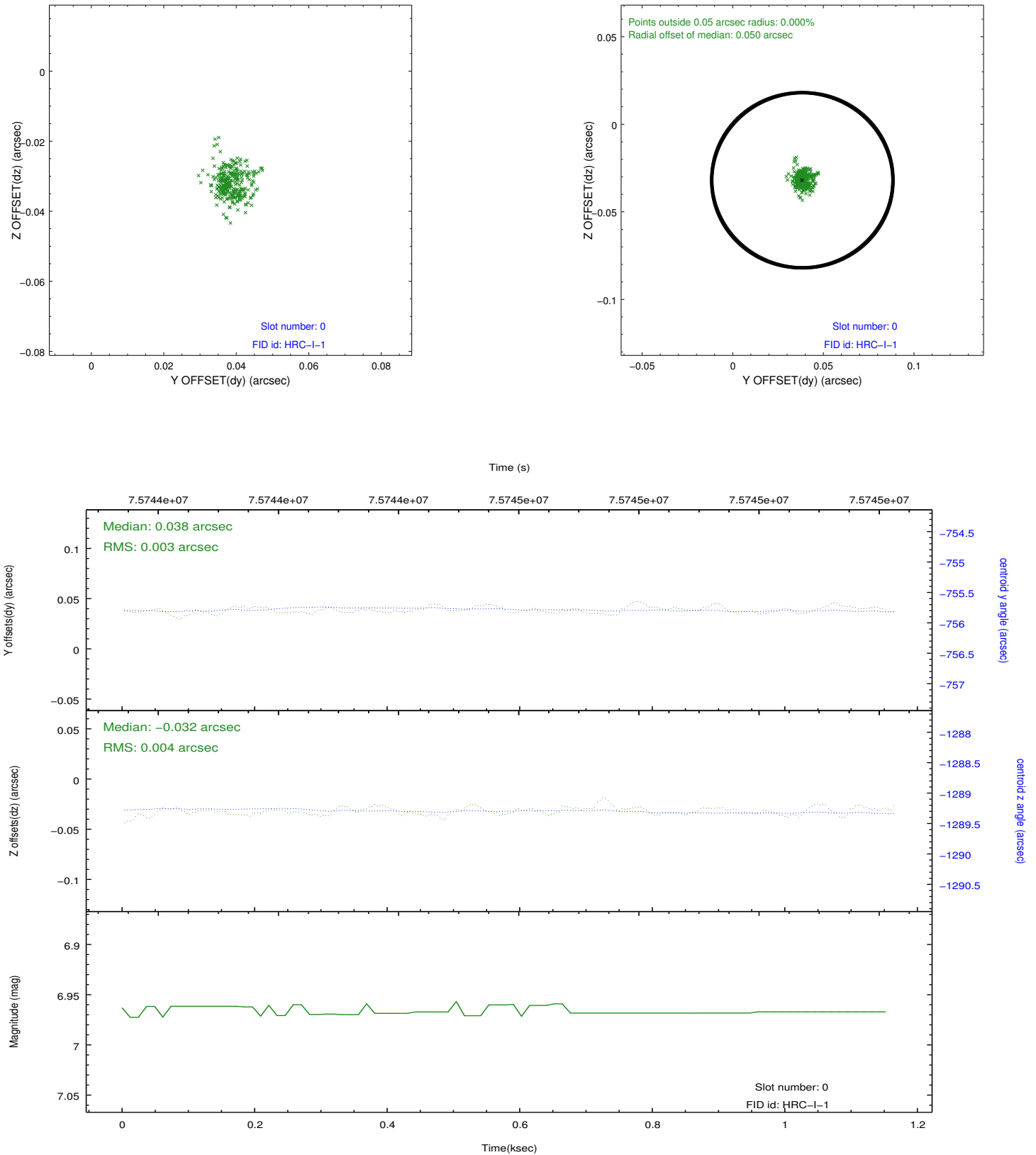


2.4.4 Slot 7

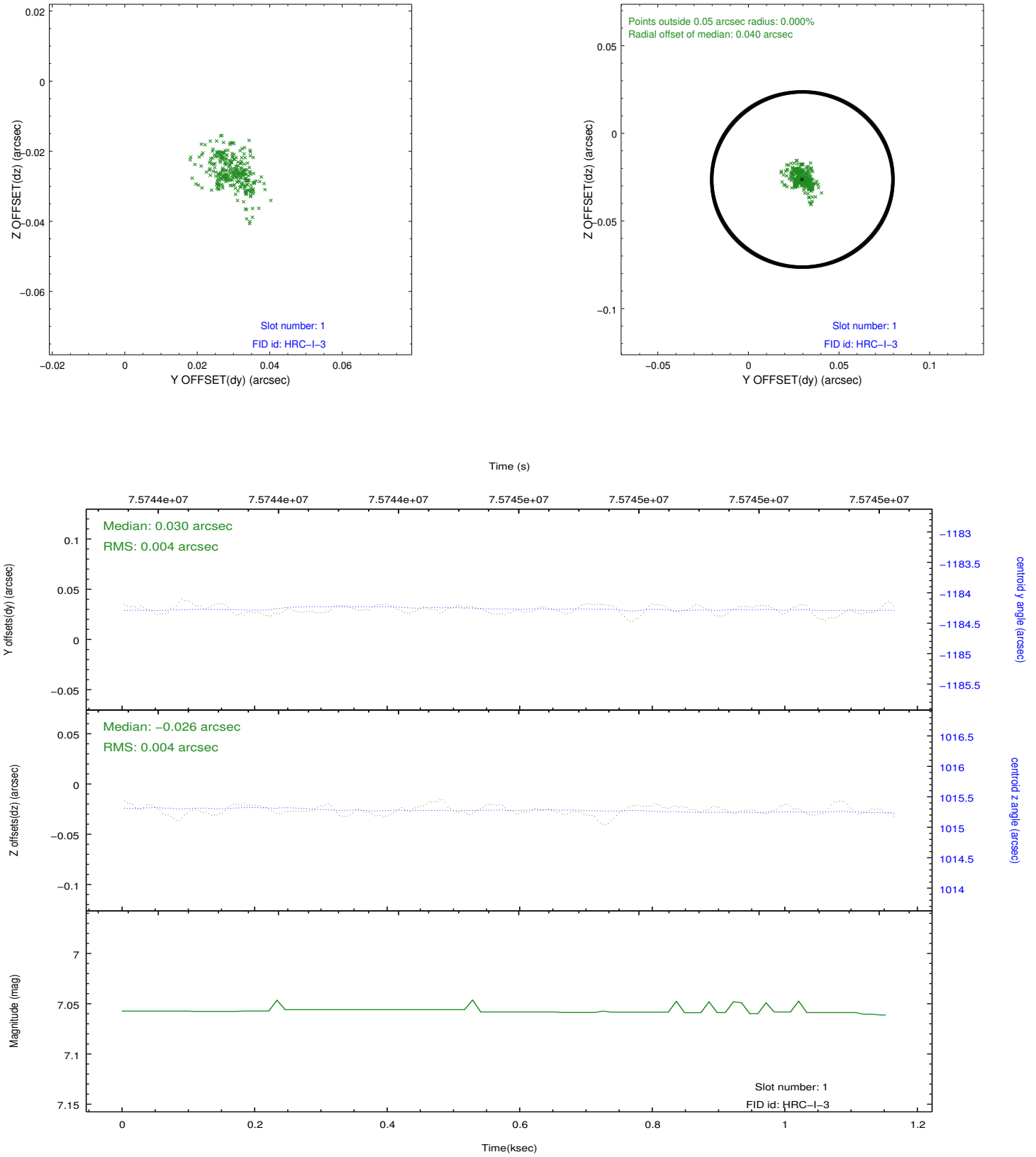


2.5 FID Slots

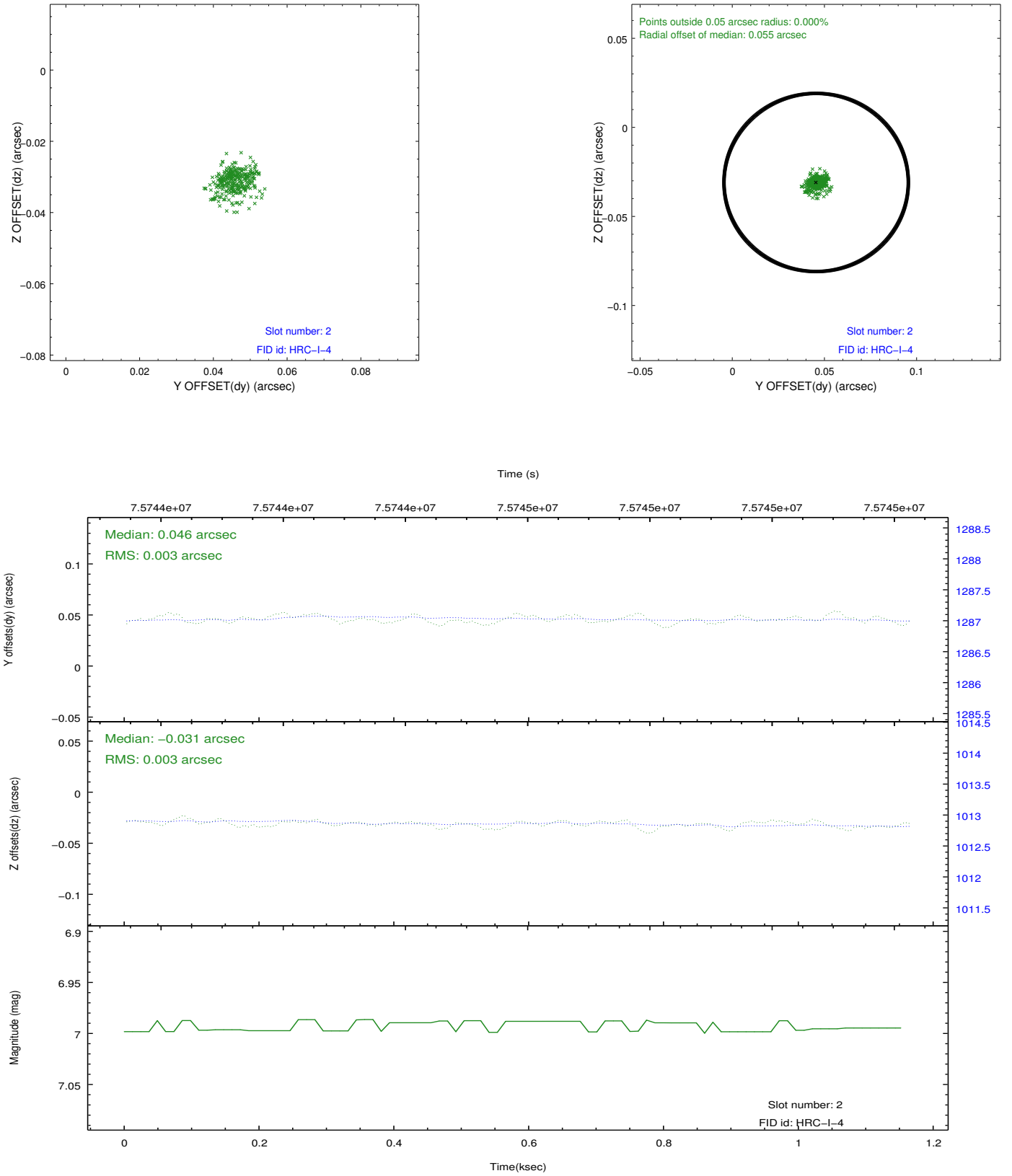
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.161

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.