

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 14547 - L2 Version 2
Chandra X-Ray Center

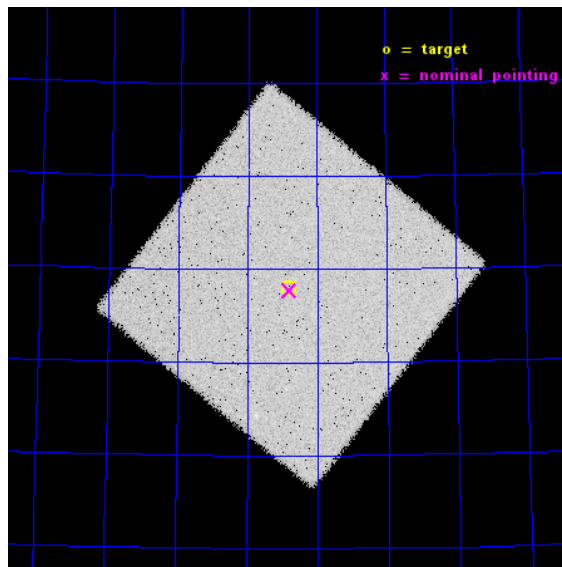
L2 Processing Date : Dec 2 2014

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

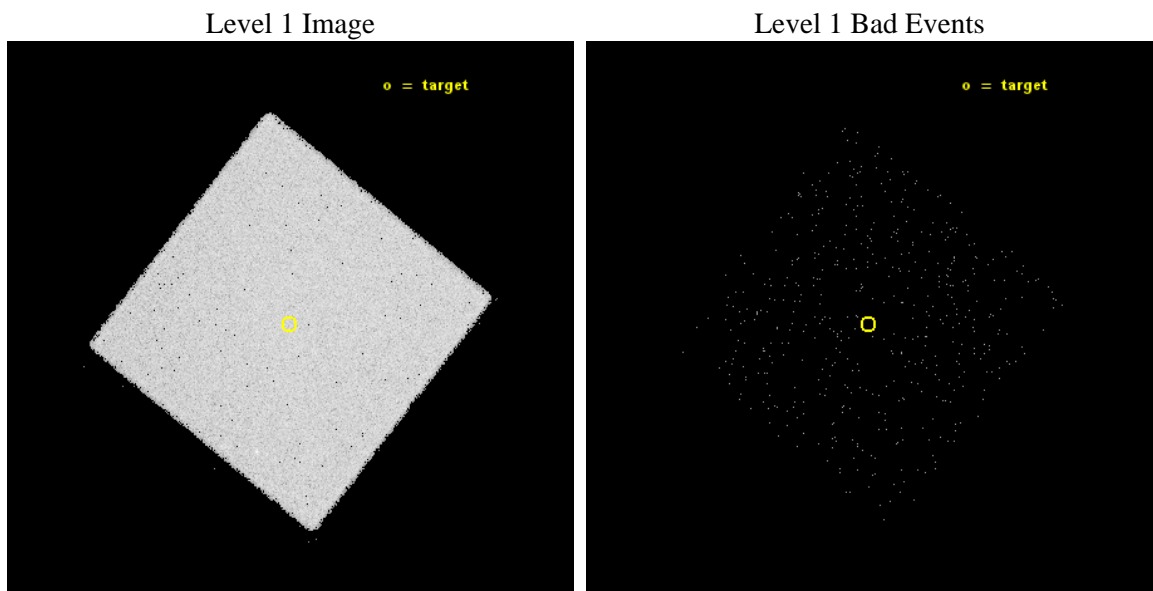
seq_num	200848	Sequence number
obs_id	14547	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	
observer	Mr. Nicola La Palombara	Principal investigator
object	BD+75 325	Source name
ra_targ	122.70625	Observer's specified target RA [deg]
dec_targ	74.966083	Observer's specified target Dec [deg]
ra_nom	122.69999811378	Nominal RA [deg]
dec_nom	74.962491196211	Nominal Dec [deg]
roll_nom	263.64905553371	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3794.5502054095	[s]
livetime	3762.602148719	Ontime multiplied by DTCOR
l2events	241690	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	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	3794.5502054095	[s]
caldbver	4.6.4	 	l1events	336702	Number of level 1 events
date	2014-12-02T21:48:23	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

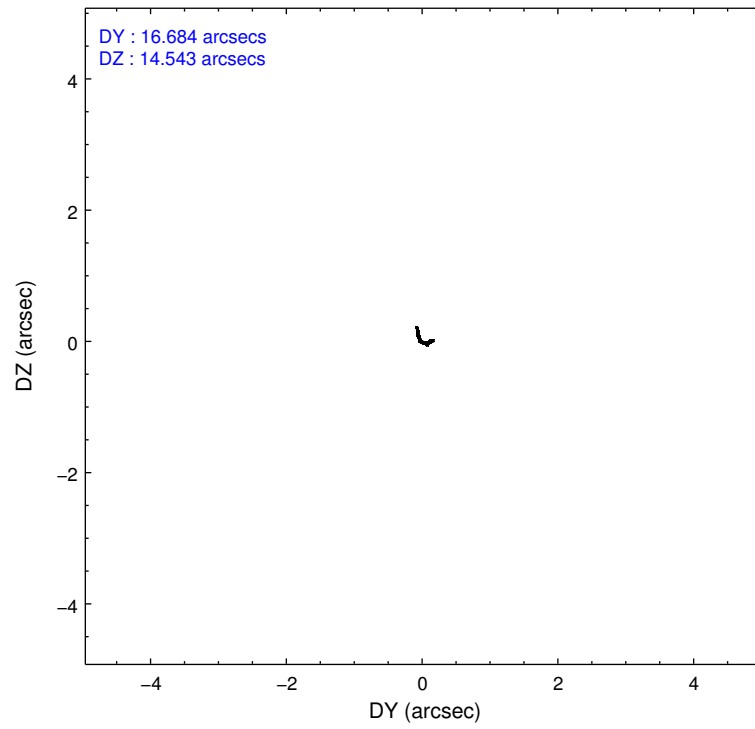
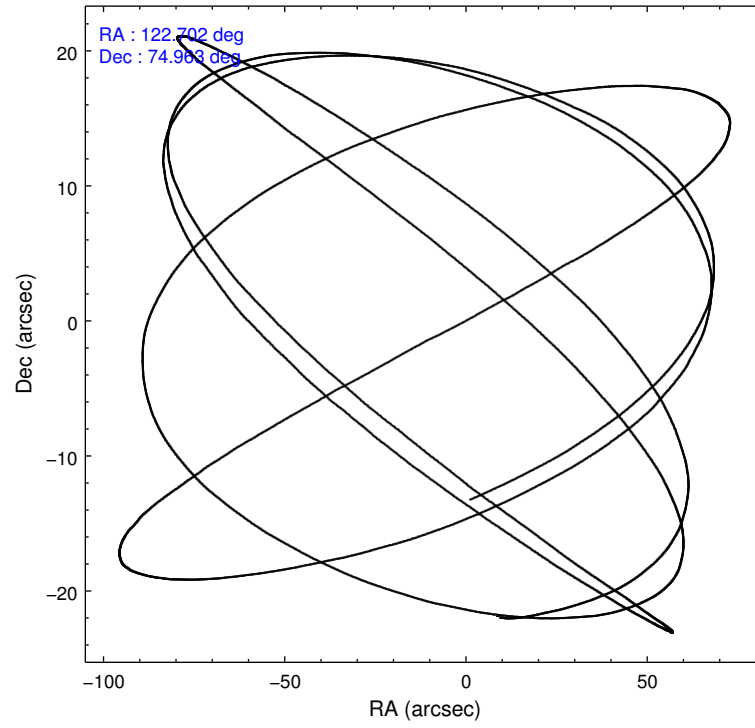
Level 1 Events

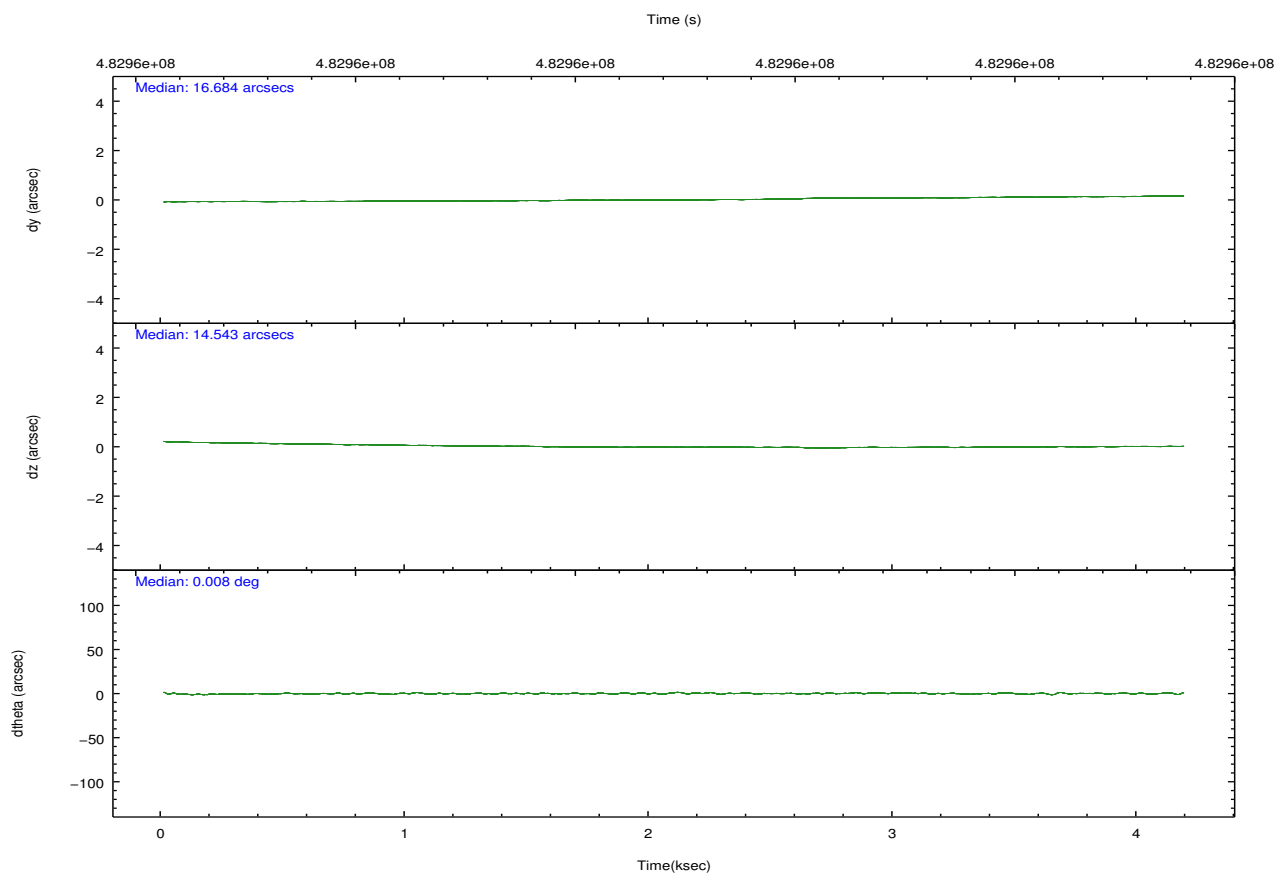
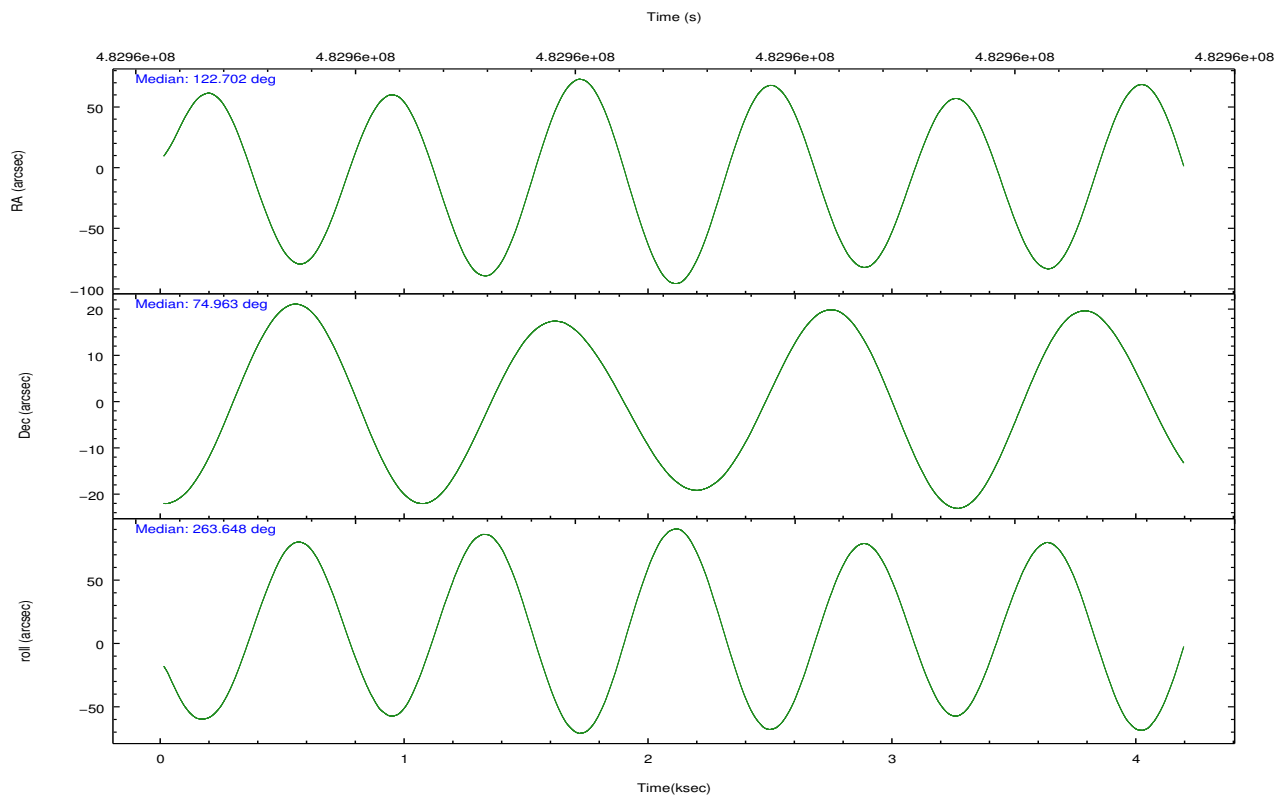
	segment 0
level 1 events	336702
rejected events	7373
rejected %	2%

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	122.654282	122.6999981137815			
[deg] Pointing Dec	74.987008	74.96249119621095			
[deg] Pointing Roll	263.788697	263.6490555337075			
[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)	482960548.184000	482959754.95864			
Observation start date	2013-04-21T19:41:21	2013-04-21T19:29:14			
[s] Observation end time (MET)	482964548.184000	482965313.53394			
Observation end date	2013-04-21T20:48:01	2013-04-21T21:01:53			

2.3 Aspect



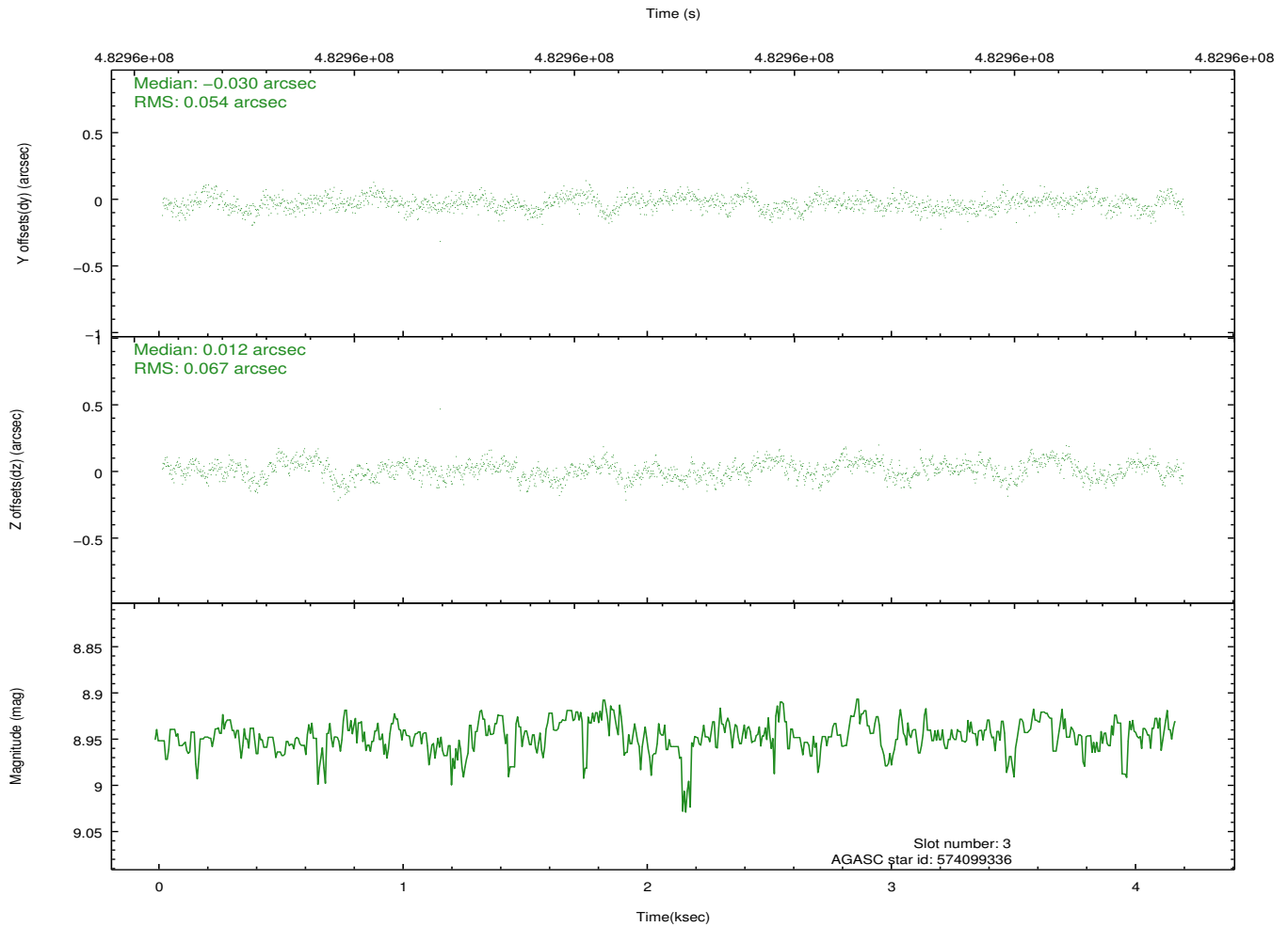
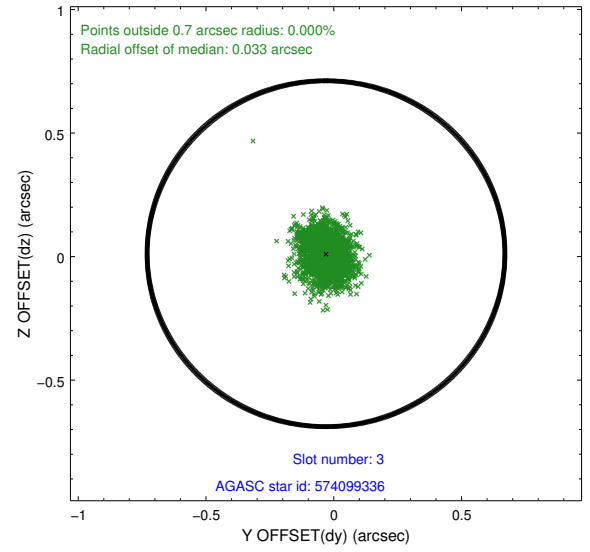
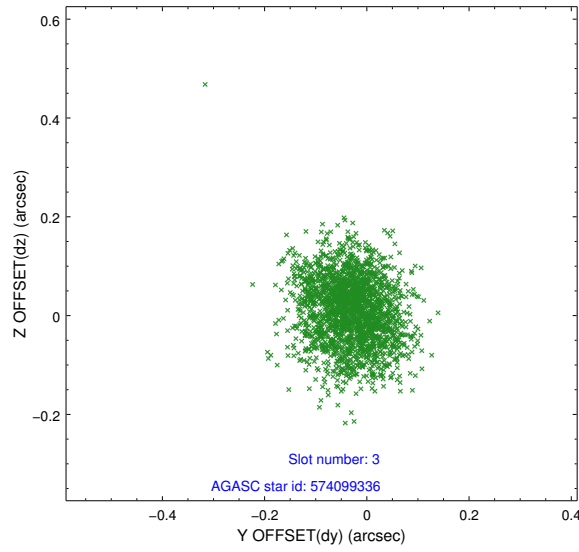


Slot Statistics

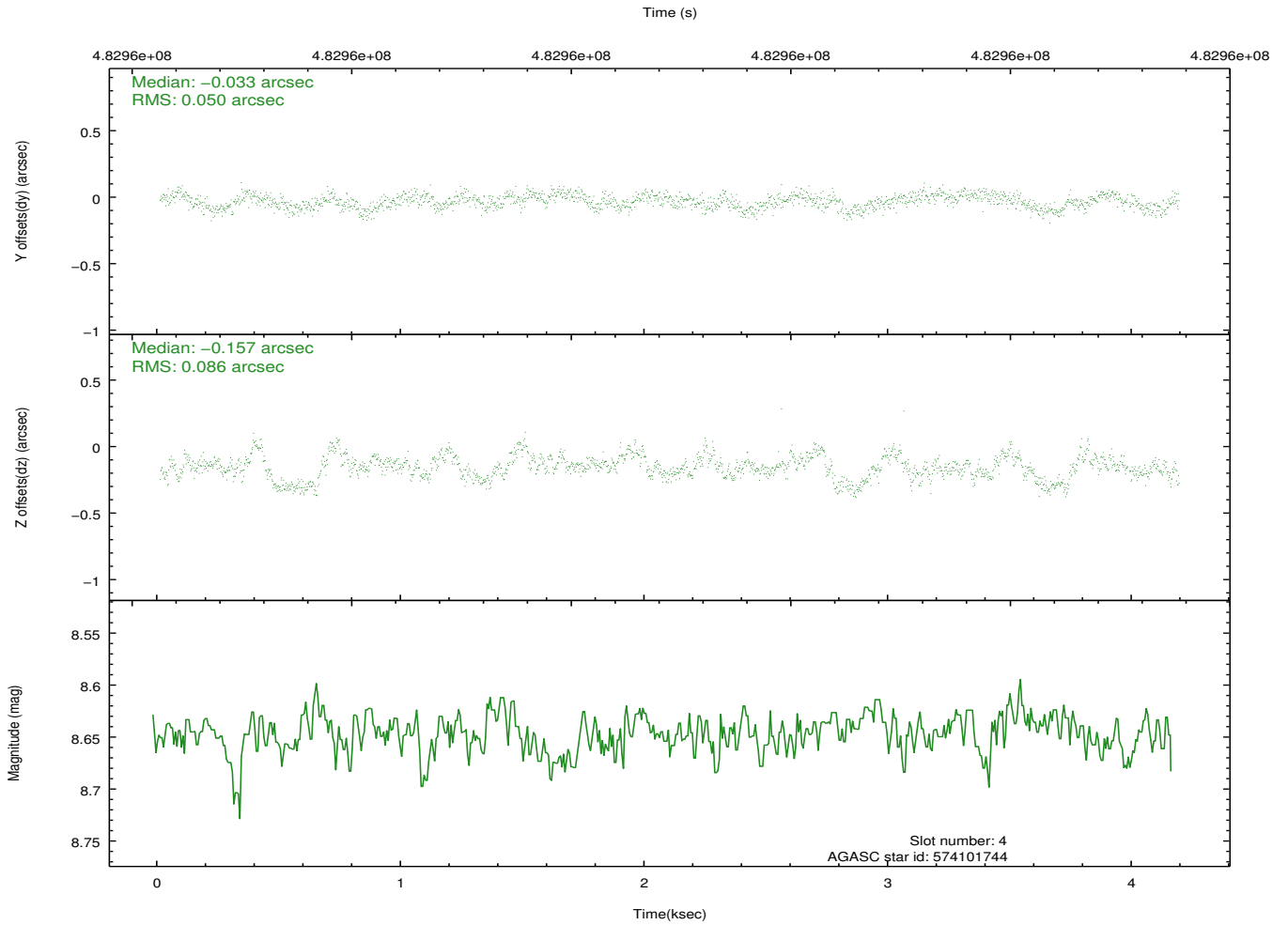
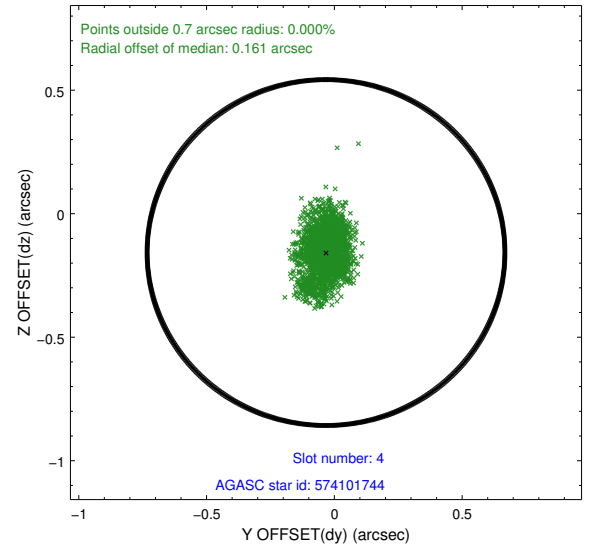
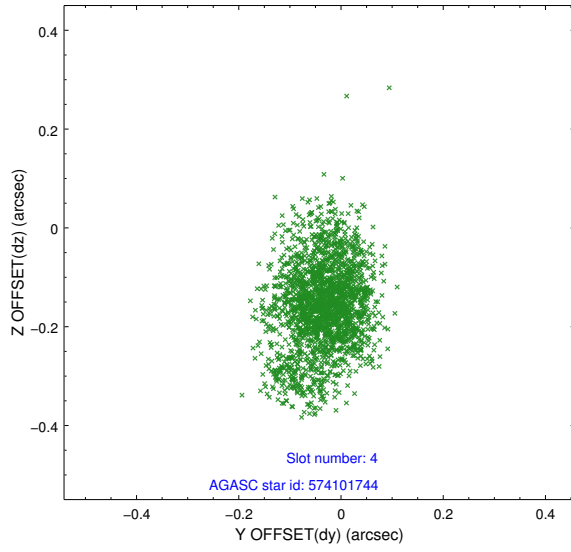
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.96	1020	-0.118	0.027	0.007	0.011	0.000000	0.000000	-772.66	-1302.62
1	FID		HRC-I-2	6.99	1020	0.221	-0.070	0.006	0.011	0.000000	0.000000	839.55	-1305.55
2	FID		HRC-I-3	7.05	1020	0.015	-0.046	0.006	0.011	0.000000	0.000000	-1200.21	1000.59
3	GUIDE	used	574099336	8.95	2035	-0.030	0.012	0.091	0.146	123.040243	74.568187	1458.66	529.57
4	GUIDE	used	574101744	8.65	2032	-0.033	-0.157	0.103	0.177	122.649528	74.802454	662.62	66.49
5	GUIDE	used	595075752	8.43	2040	-0.075	0.067	0.064	0.107	123.809169	75.164948	-761.07	986.87
6	GUIDE	used	595091032	7.86	2041	0.078	0.104	0.066	0.103	120.464052	75.450210	-1479.22	-2153.61
7	GUIDE	used	595090408	8.89	2038	0.062	-0.023	0.081	0.133	123.371597	75.615444	-2322.04	390.50

2.4 Star Slots

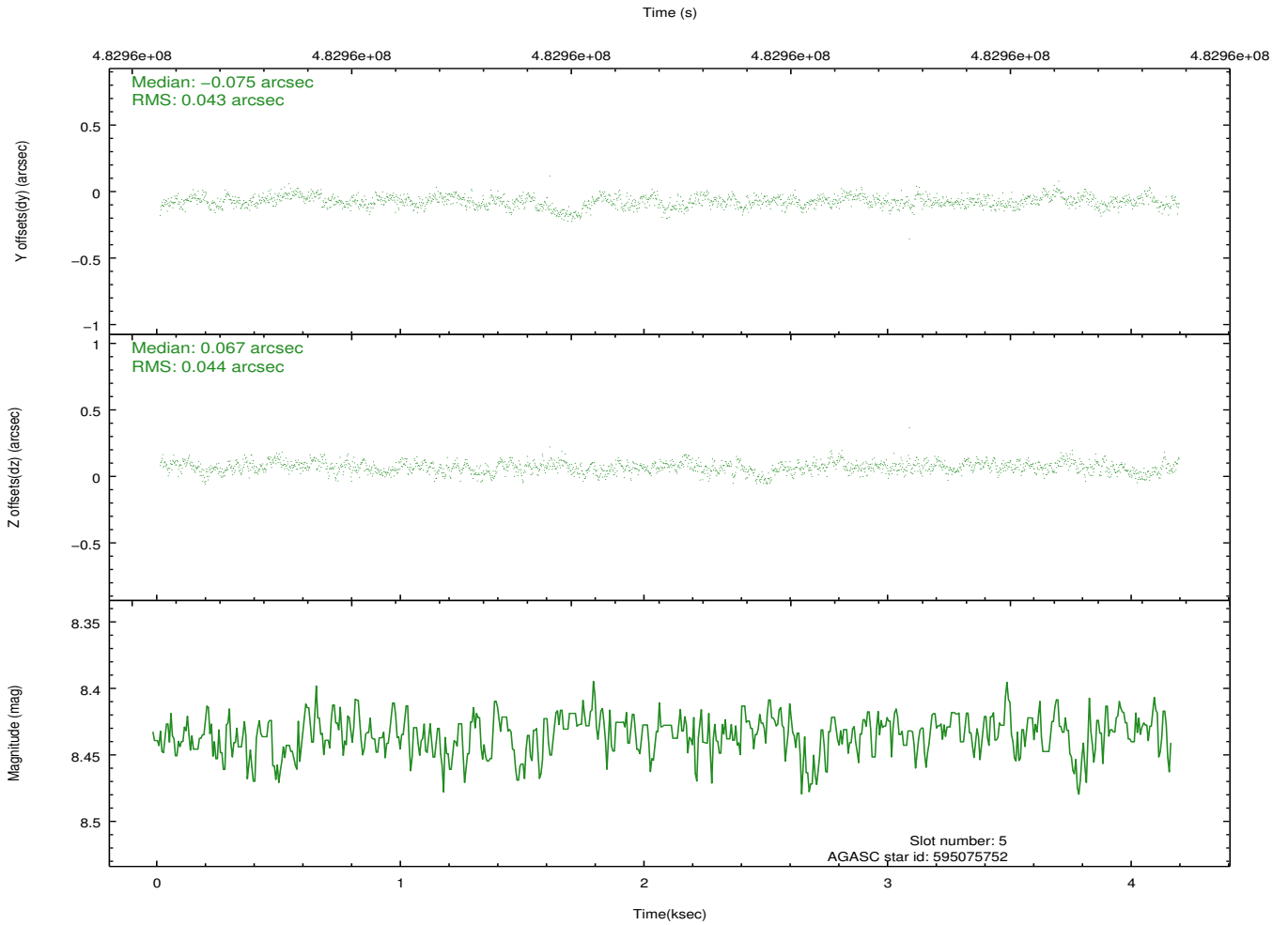
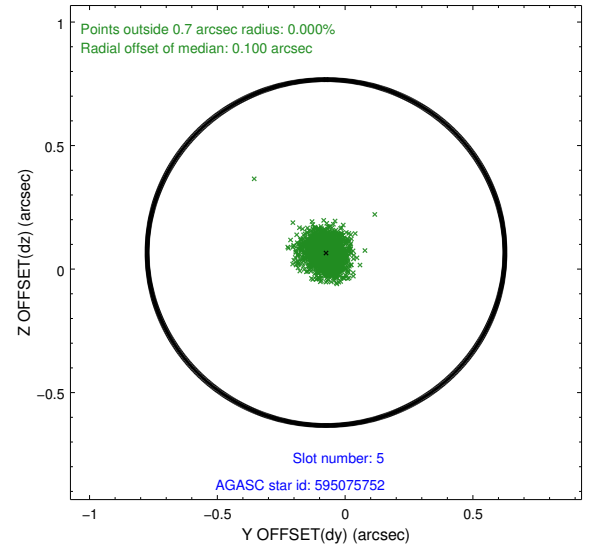
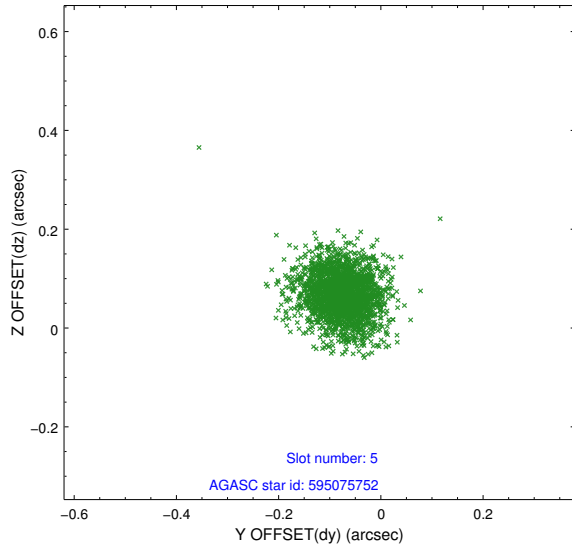
2.4.1 Slot 3



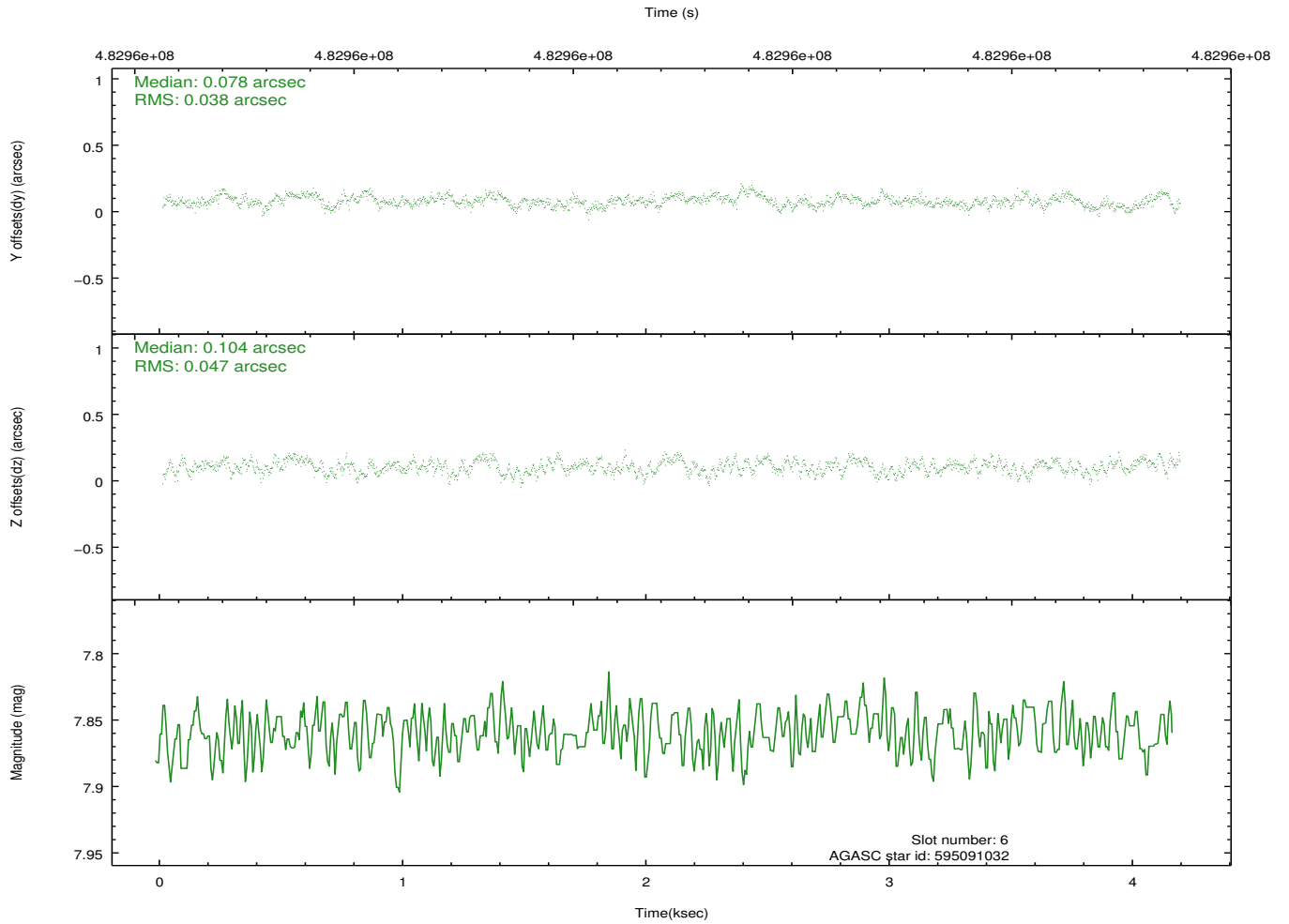
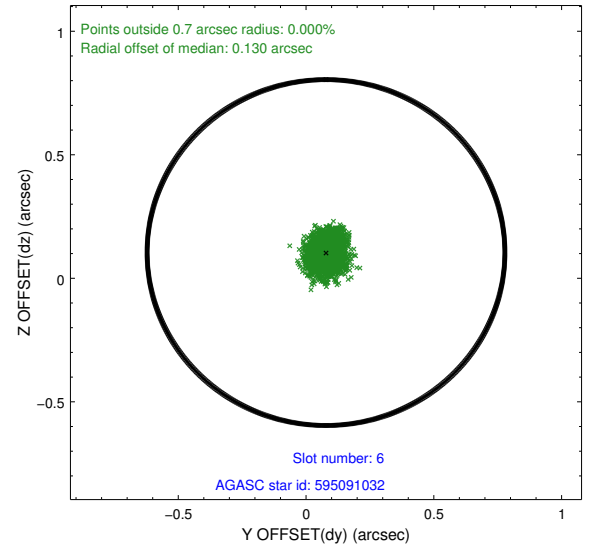
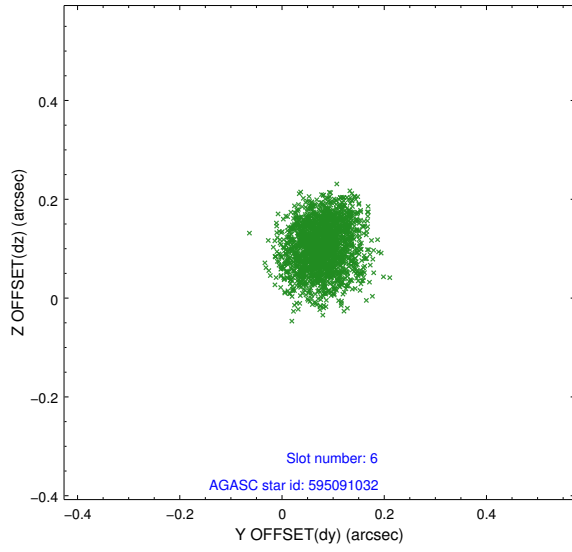
2.4.2 Slot 4



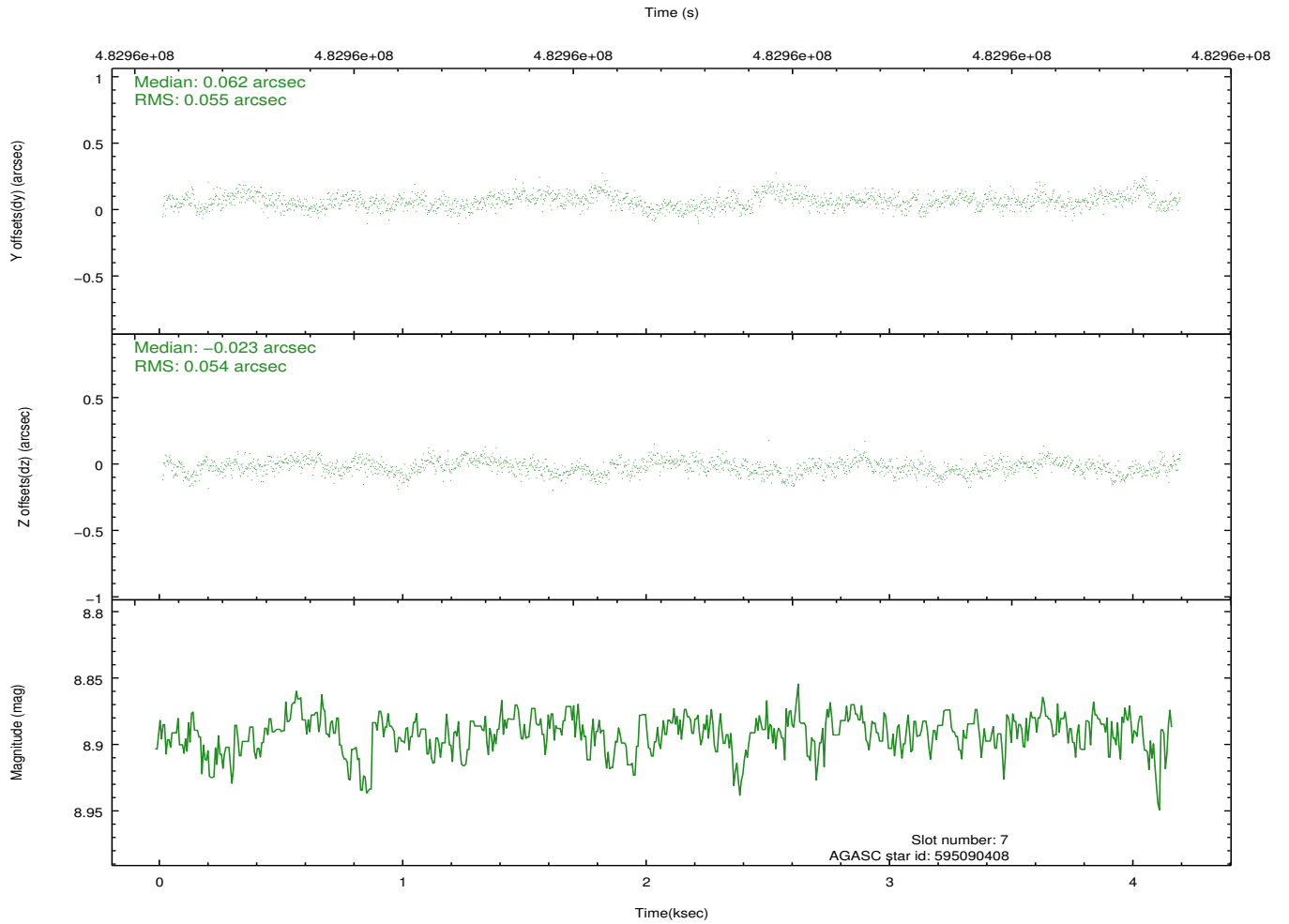
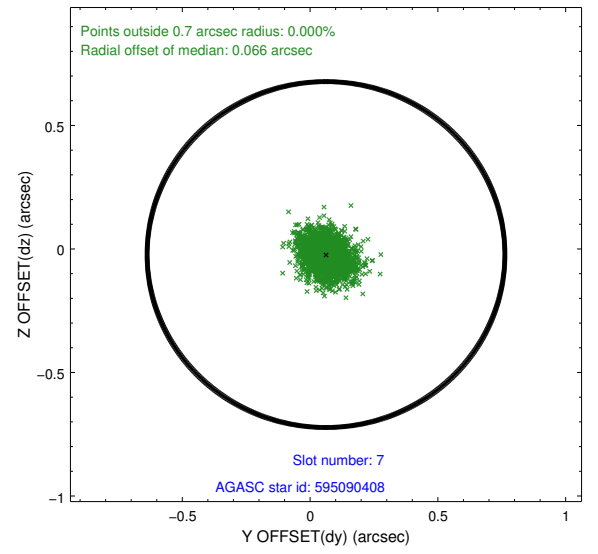
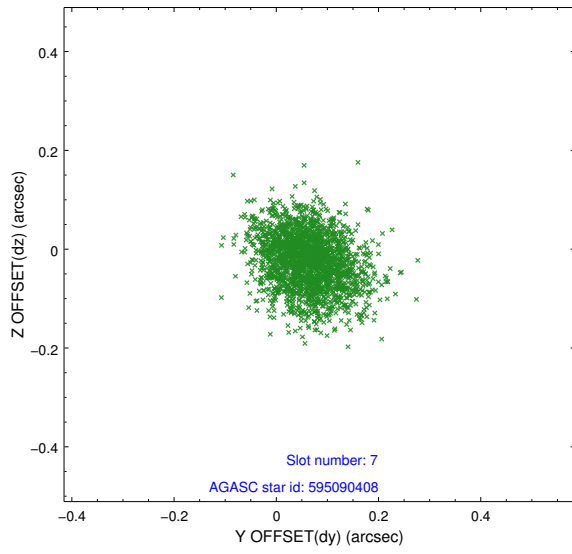
2.4.3 Slot 5



2.4.4 Slot 6

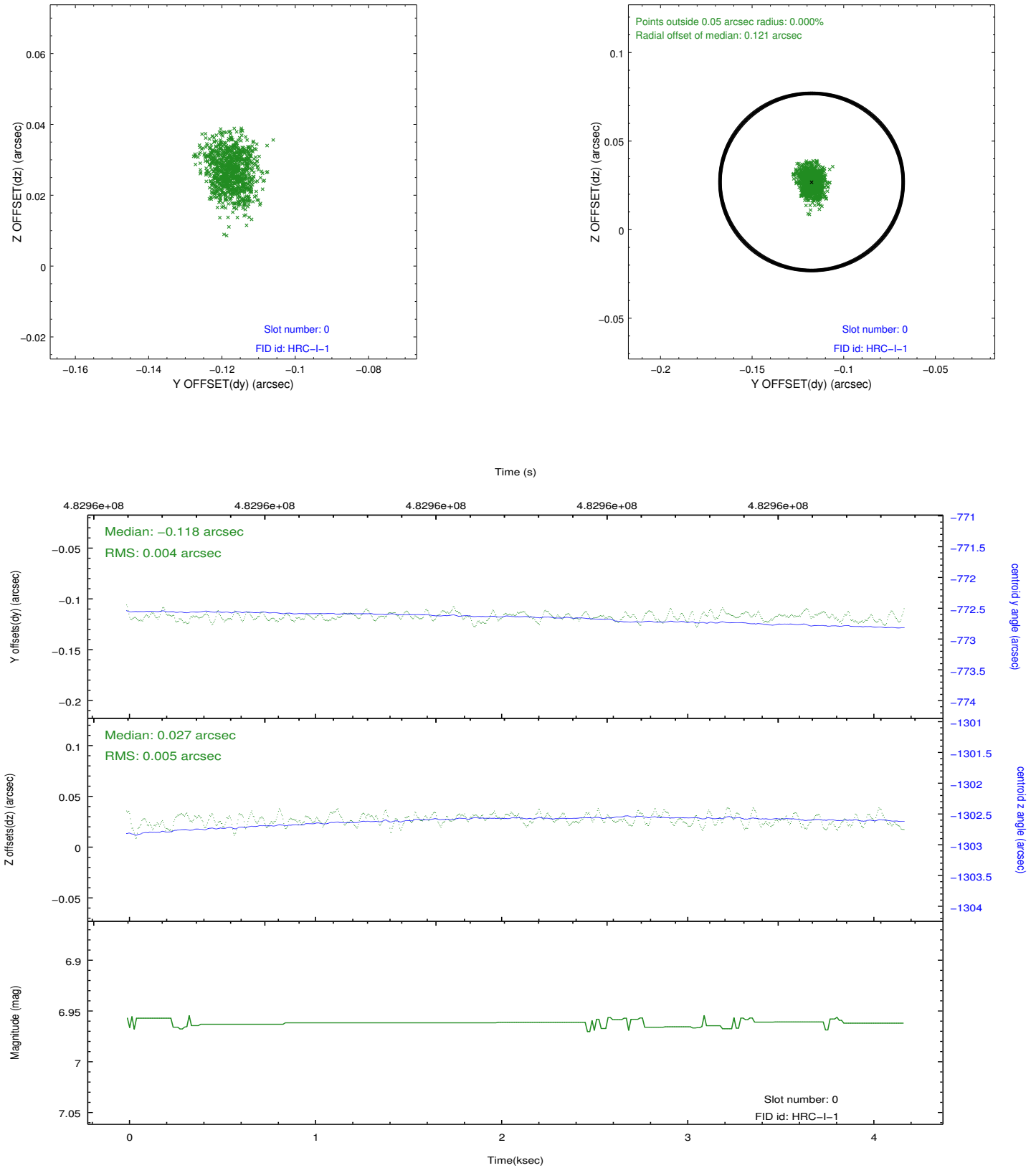


2.4.5 Slot 7

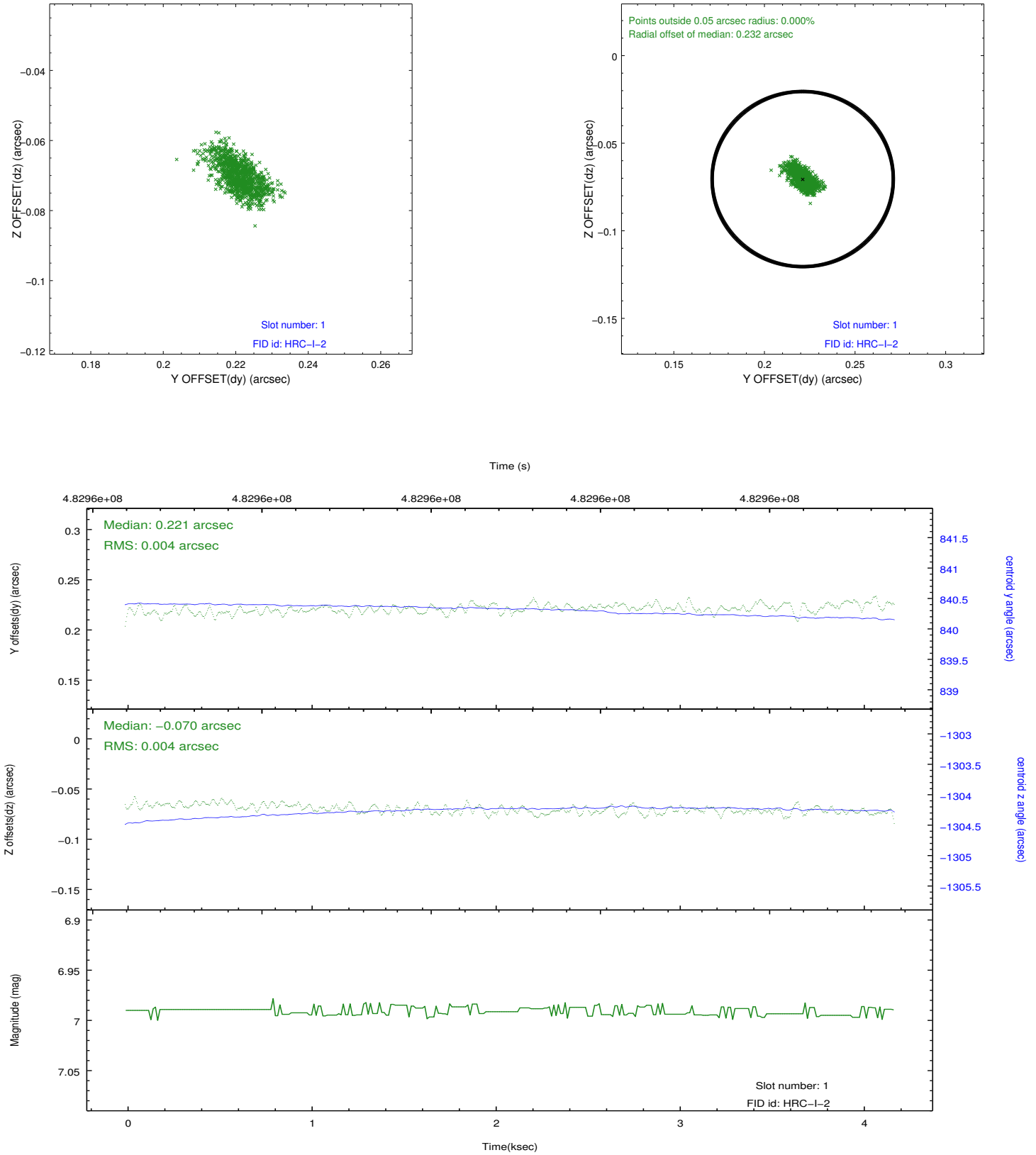


2.5 FID Slots

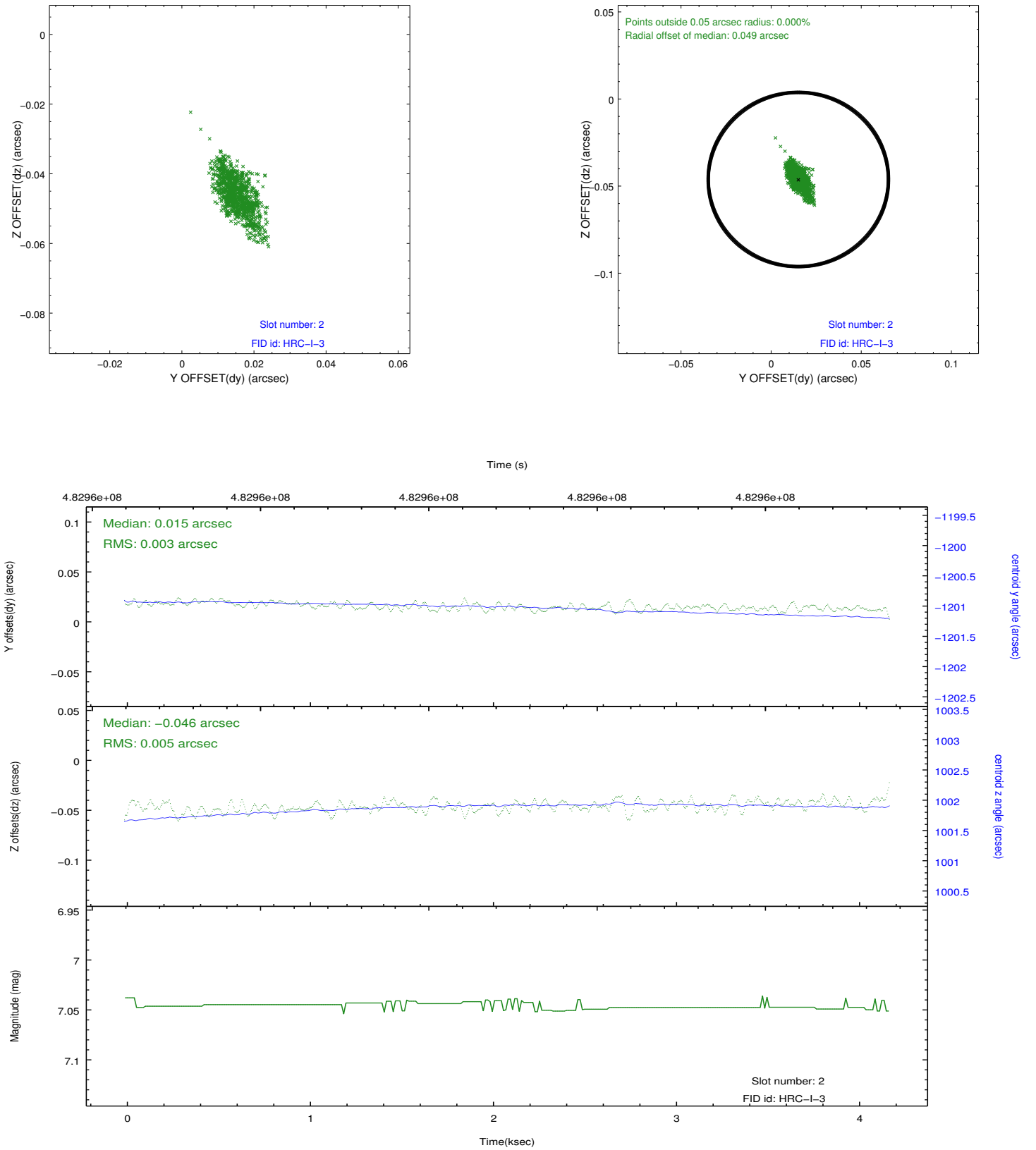
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.7945502054095

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.