

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17691 - L2 Version 1
Chandra X-Ray Center

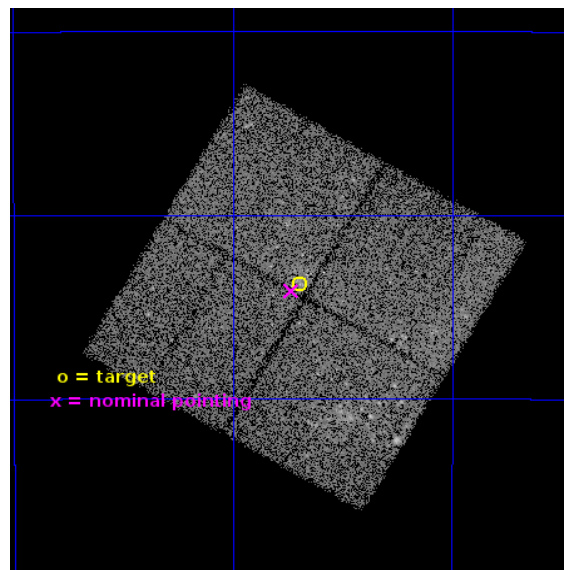
L2 Processing Date : Jul 4 2015

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1 Front

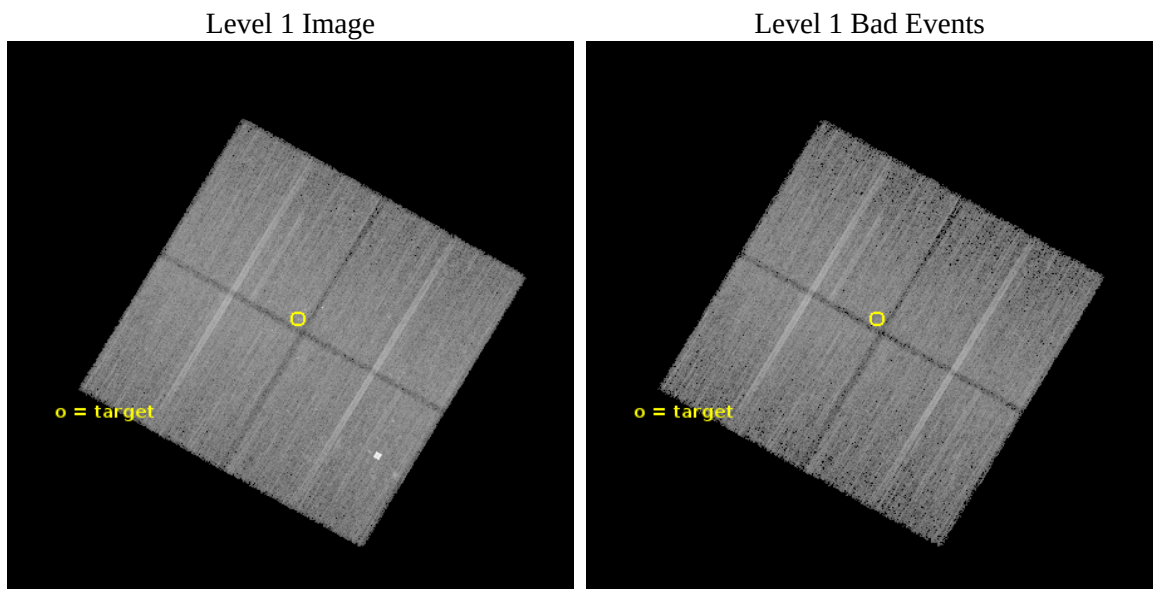
seq_num	200979	Sequence number
obs_id	17691	Observation id
title	A CHANDRA Study of the Massive Protostar IRAS16562-3959	Proposal t
observer	Dr. Peter Hofner	Principal investigator
object	IRAS 16562-3959	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	254.923333	Observer's specified target RA [deg]
dec_targ	-40.062111	Observer's specified target Dec [deg]
ra_nom	254.93325671581	Nominal RA [deg]
dec_nom	-40.068648971973	Nominal Dec [deg]
roll_nom	300.21507966372	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40596.872463703	Sum of GTIs [s]
livetime	40066.444437982	Livetime [s]
ontime0	40596.749513745	Sum of GTIs [s]
ontime1	40606.21350491	Sum of GTIs [s]
ontime2	40603.113535047	Sum of GTIs [s]
ontime3	40596.872463703	Sum of GTIs [s]
l2events	89602	Number of level 2 events



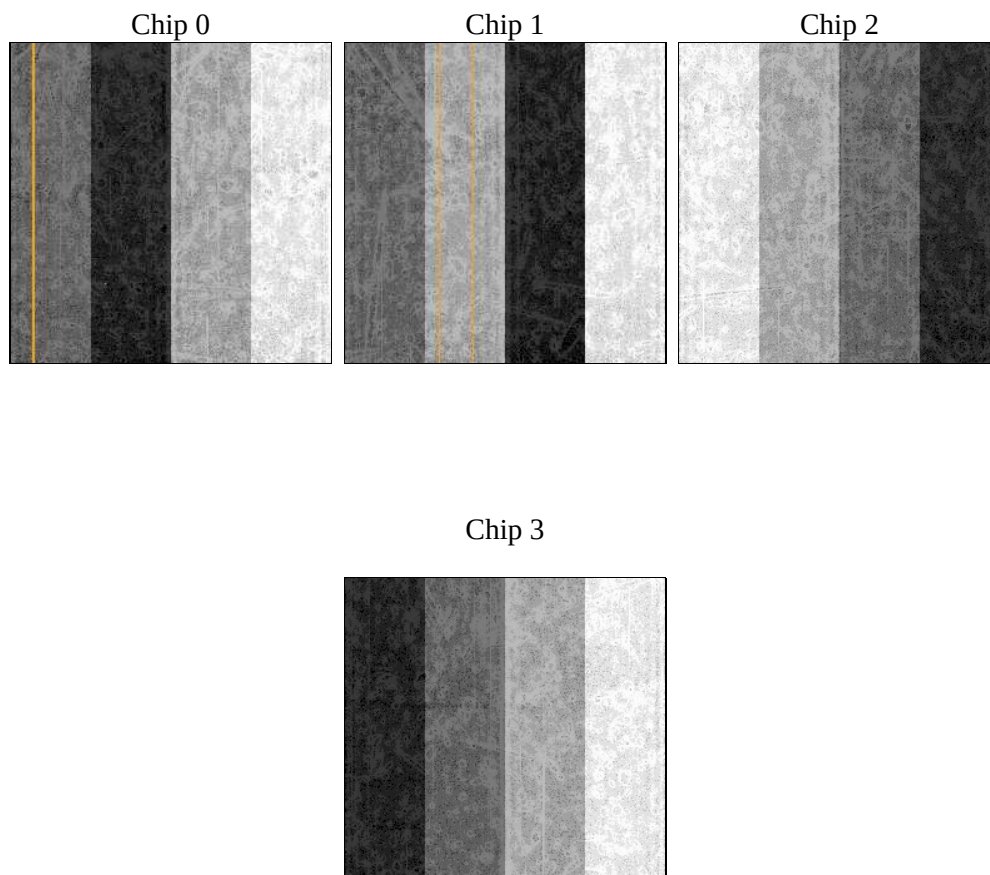
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	41000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	40596.872463703	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	40596.749513745	Sum of GTIs [s]
date	2015-07-04T17:50:31	Date and time of file creation	ontime1	40606.21350491	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	40603.113535047	Sum of GTIs [s]
			ontime3	40596.872463703	Sum of GTIs [s]
			l1events	820851	Number of level 1 events

2.1.4 Events

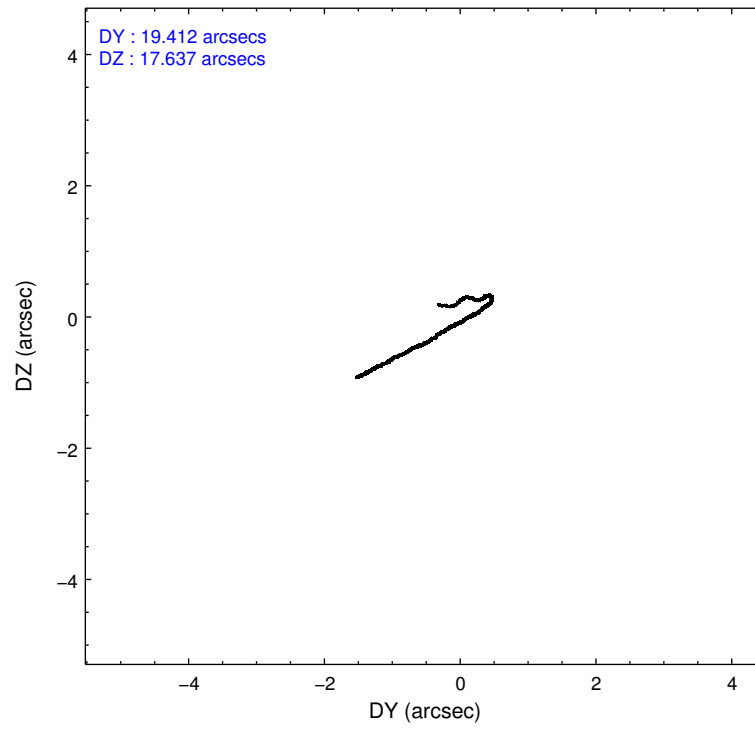
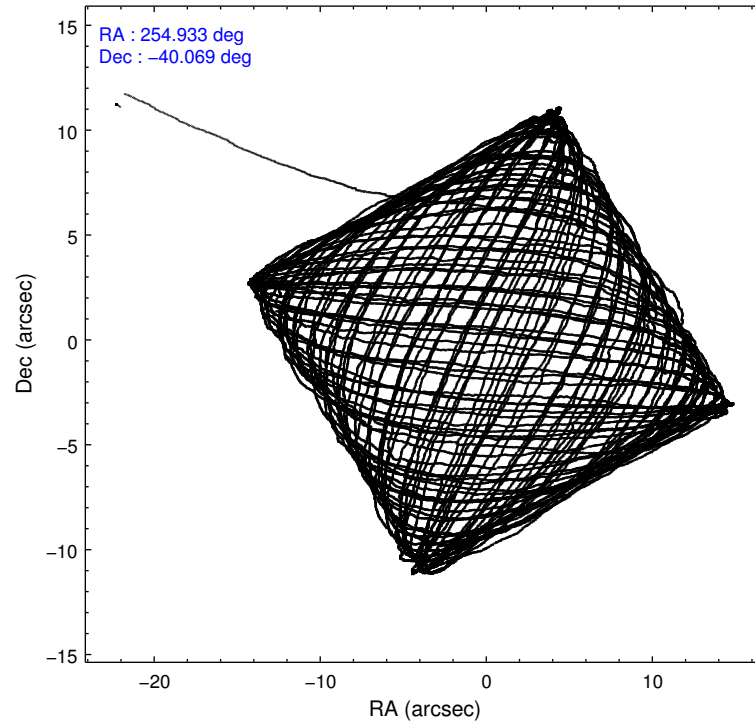
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	205491	196505	210821	208034
rejected events	164086	168174	186322	183331
rejected %	79%	85%	88%	88%

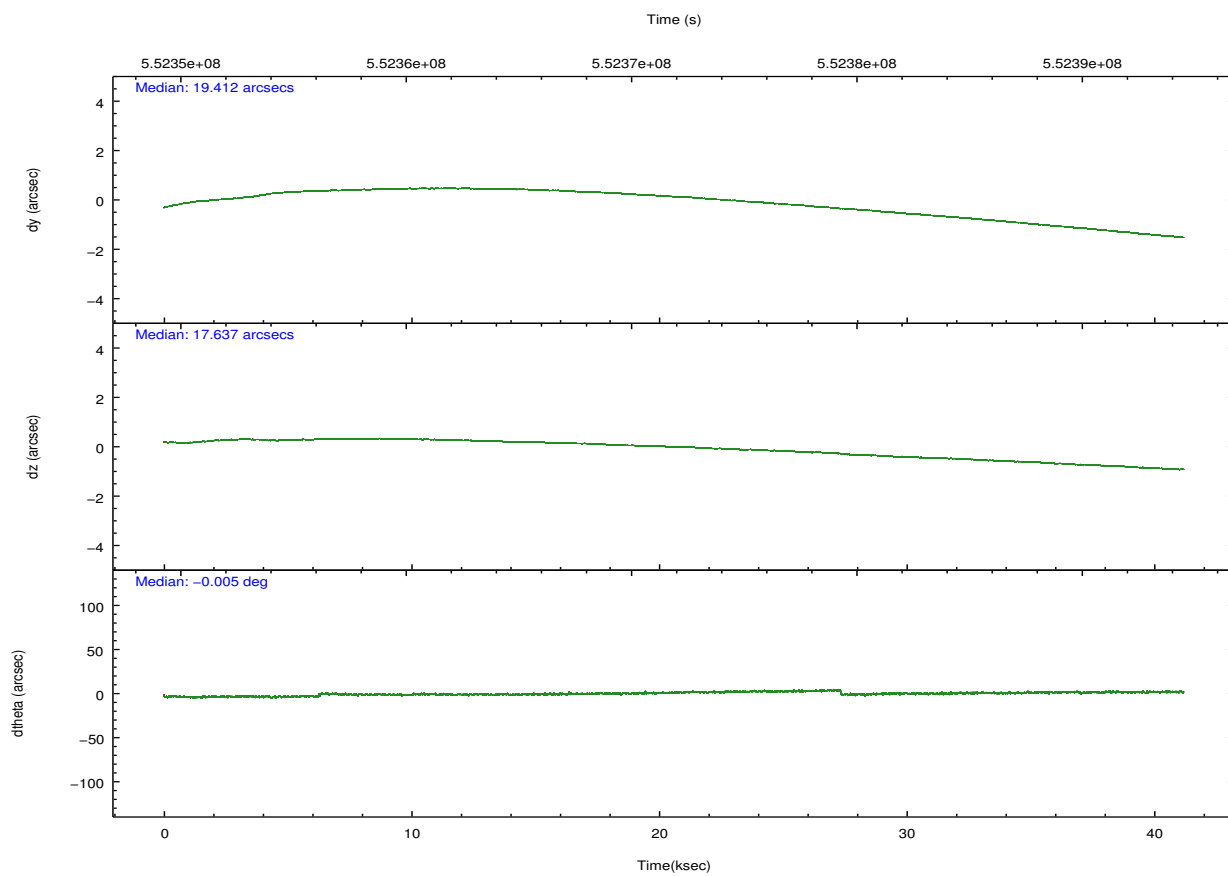
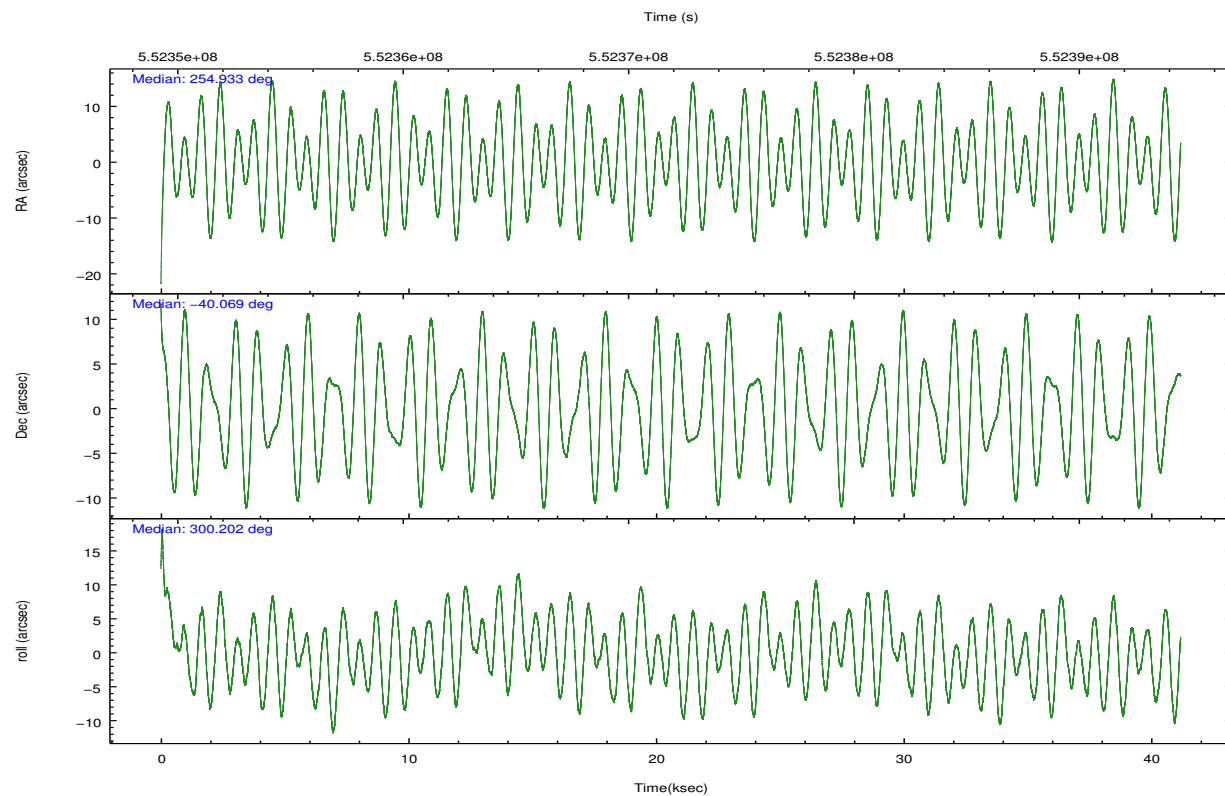
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	24466	10486	8939	9373
	11%	5%	4%	4%
grade 1 events	150	112	114	121
	0%	0%	0%	0%
grade 2 events	6697	6727	6101	5417
	3%	3%	2%	2%
grade 3 events	2625	2622	2352	2549
	1%	1%	1%	1%
grade 4 events	2466	2617	2447	2414
	1%	1%	1%	1%
grade 5 events	9374	9917	8849	10774
	4%	5%	4%	5%
grade 6 events	5155	5882	4661	4951
	2%	2%	2%	2%
grade 7 events	154558	158142	177358	172435
	75%	80%	84%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	254.901901	254.9332567158061	Subarray requested	NONE	NONE
[deg] Pointing Dec	-40.055022	-40.06864897197335	Alternating exposures requested	N	N
[deg] Pointing Roll	299.986203	300.2150796637151	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	552351464.184000	552350388.16697			
Observation start date	2015-07-03T22:56:36	2015-07-03T22:39:48			
[s] Observation end time (MET)	552392464.184000	552392774.99435			
Observation end date	2015-07-04T10:19:56	2015-07-04T10:26:14			
Read mode	TIMED	TIMED			

2.3 Aspect



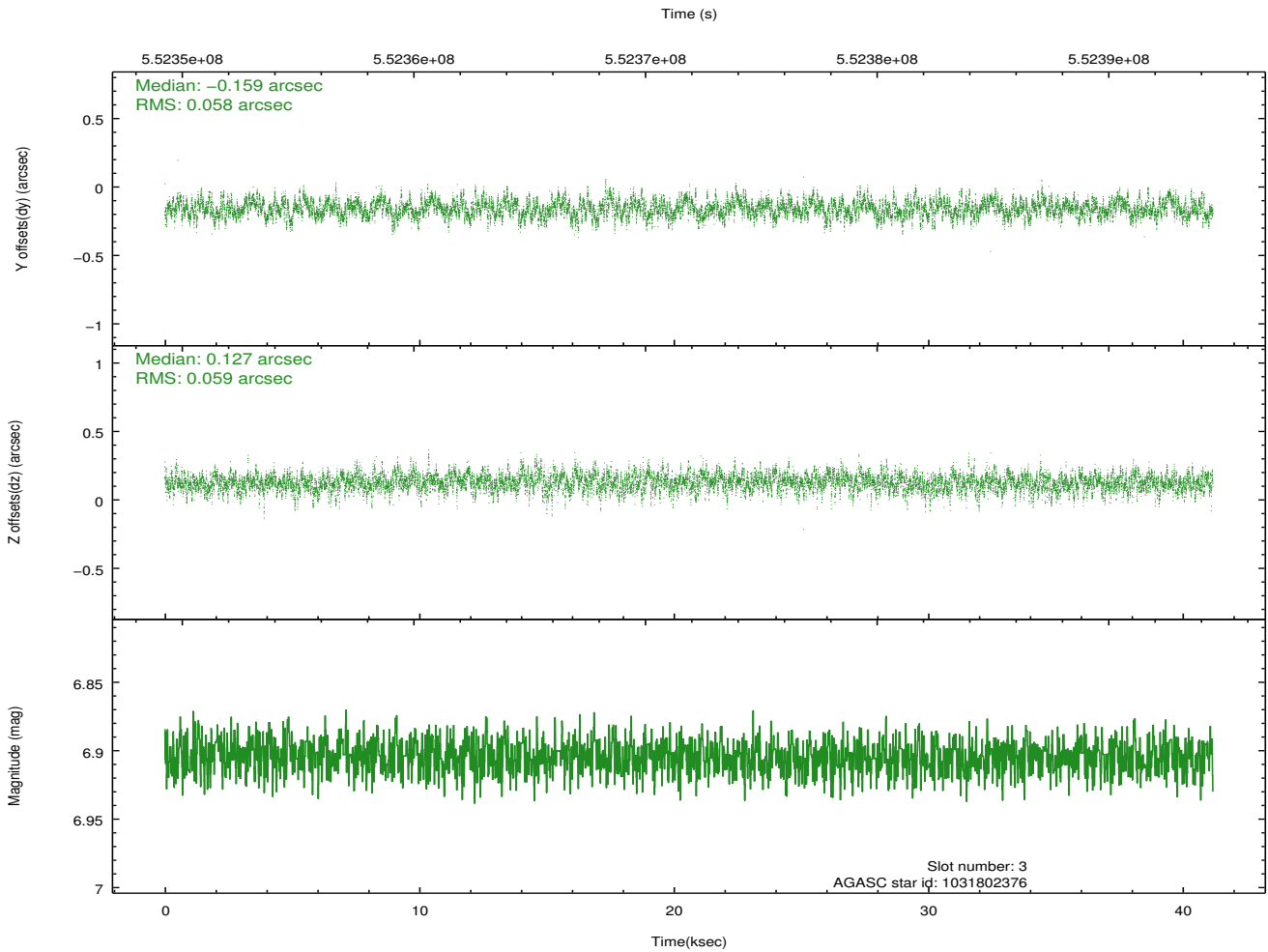
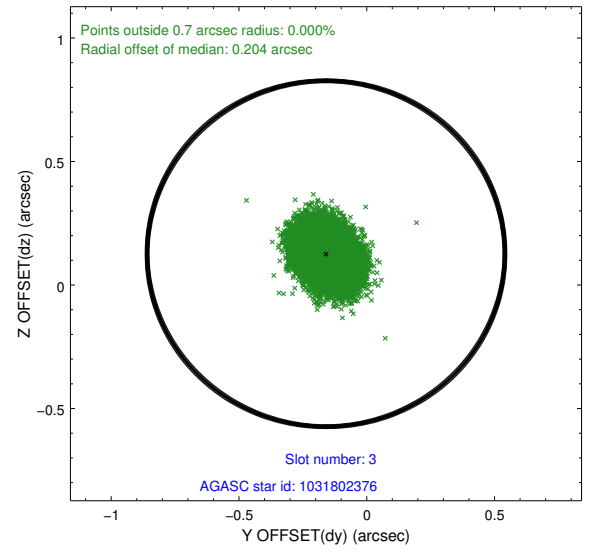
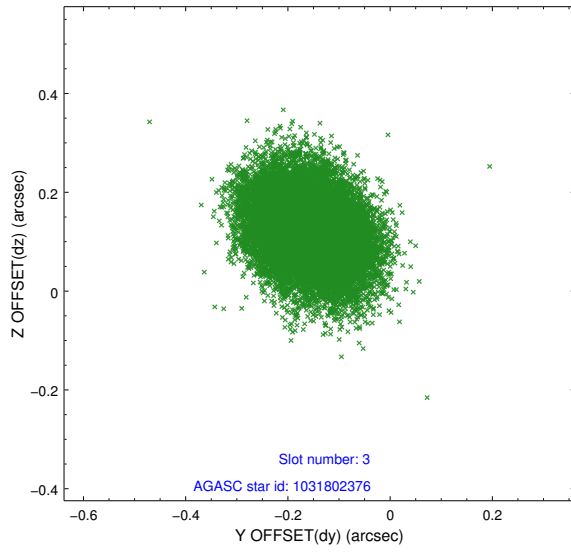


Slot Statistics

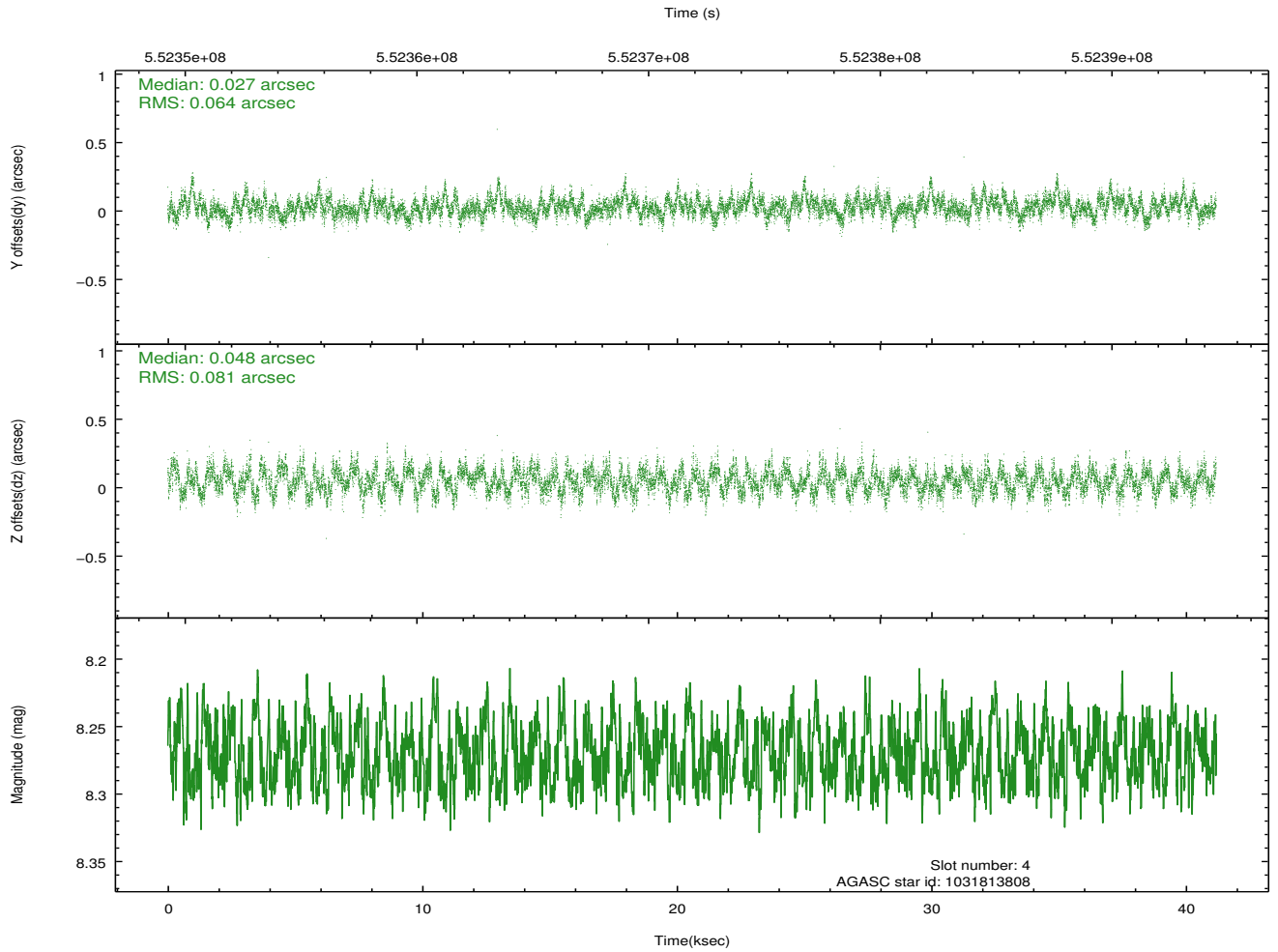
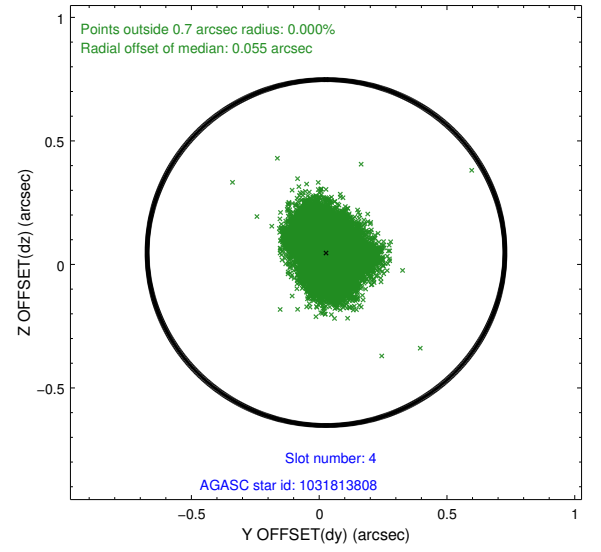
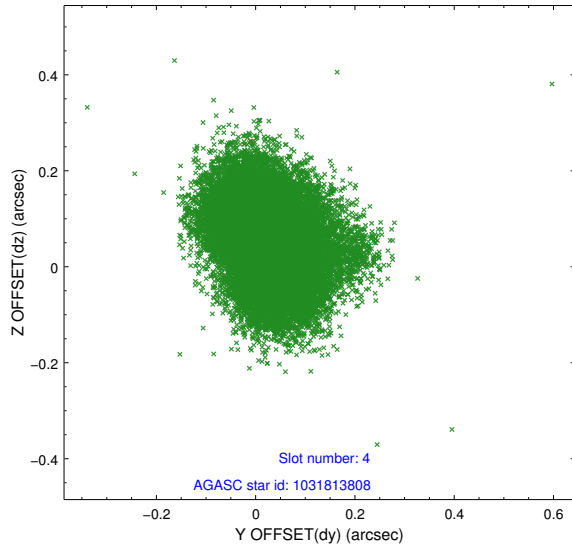
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.10	10044	-0.029	-0.049	0.036	0.056	0.000000	0.000000	920.12	-841.21
1	FID		ACIS-I-4	7.03	10045	0.315	0.069	0.032	0.045	0.000000	0.000000	2140.43	1058.79
2	FID		ACIS-I-5	7.08	10044	-0.384	0.052	0.014	0.022	0.000000	0.000000	-1828.30	1056.45
3	GUIDE	used	1031802376	6.90	20092	-0.159	0.127	0.088	0.145	254.526844	-40.352616	415.87	-1427.24
4	GUIDE	used	1031813808	8.27	20058	0.027	0.048	0.110	0.175	254.789150	-40.300097	610.35	-708.84
5	GUIDE	used	1031934544	9.15	20011	0.038	-0.005	0.138	0.237	255.278125	-39.381282	-1575.56	2117.79
6	GUIDE	used	1031941416	8.82	20079	-0.047	-0.049	0.111	0.176	255.523073	-39.962861	574.52	1648.02
7	GUIDE	used	1031810336	9.49	20075	0.140	-0.134	0.153	0.246	254.485442	-40.352443	359.72	-1525.83

2.4 Star Slots

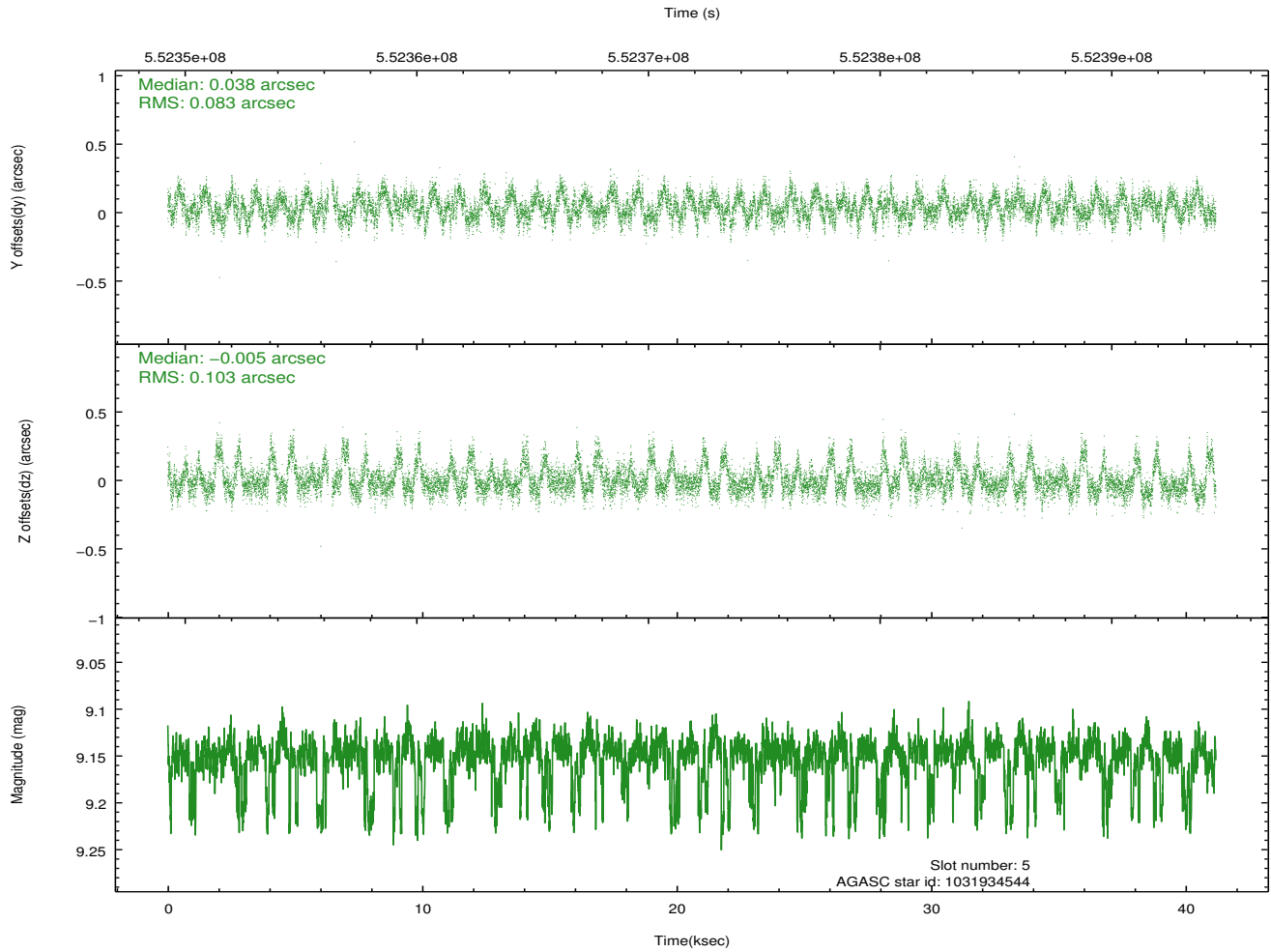
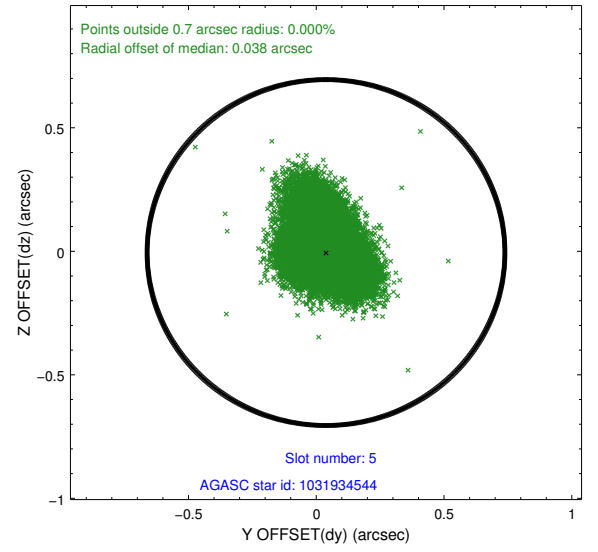
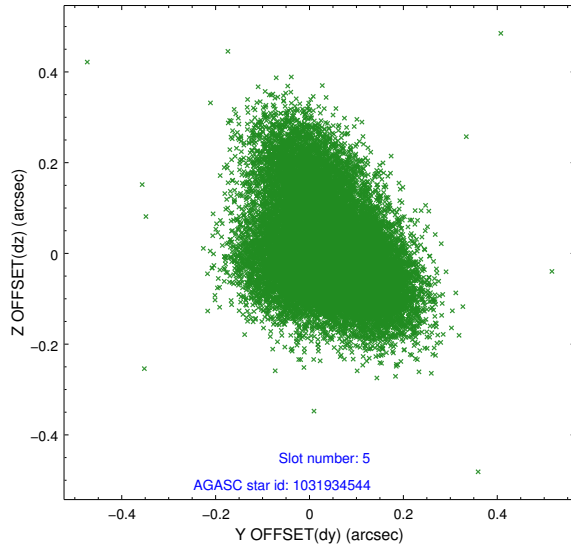
2.4.1 Slot 3



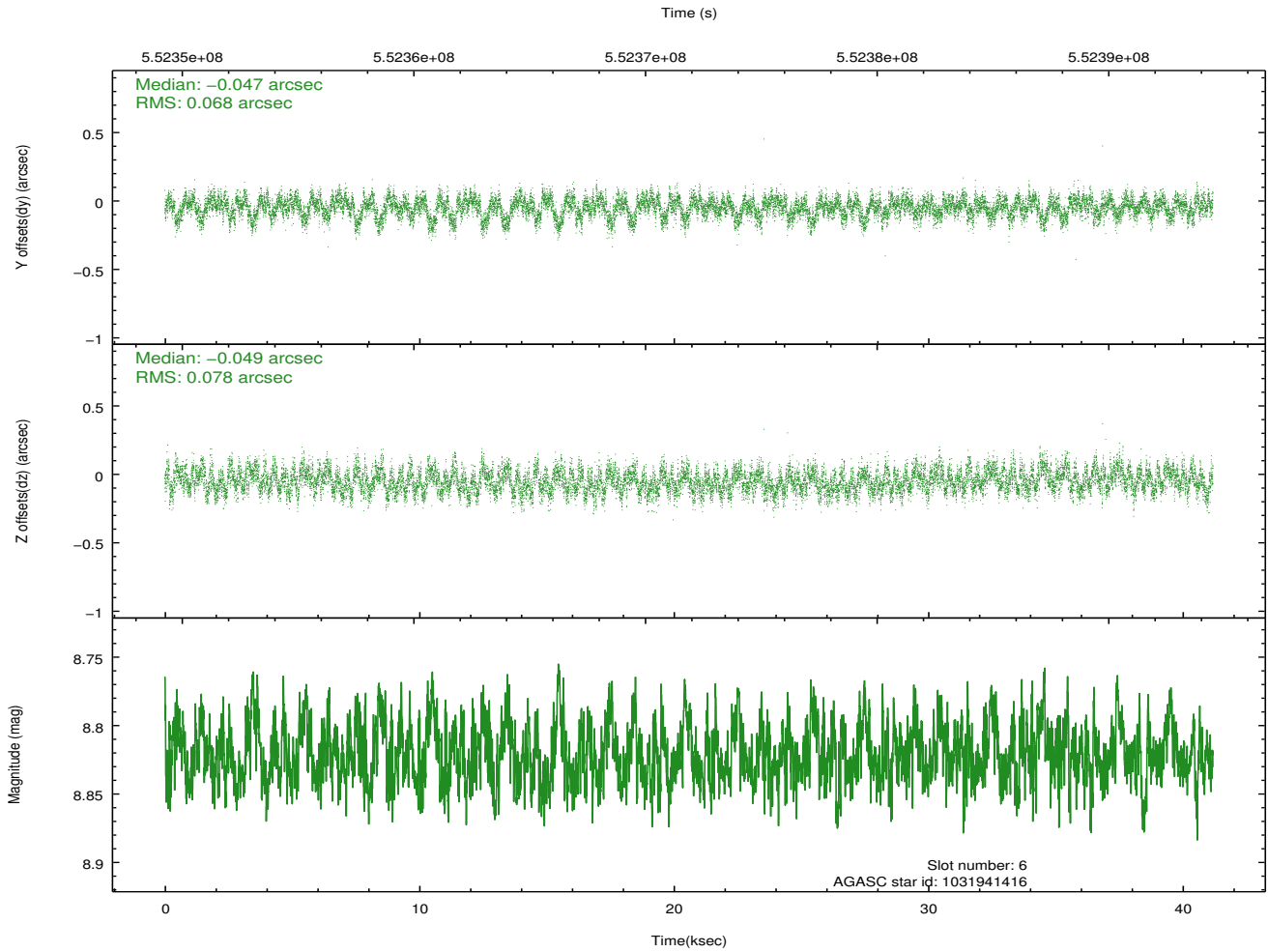
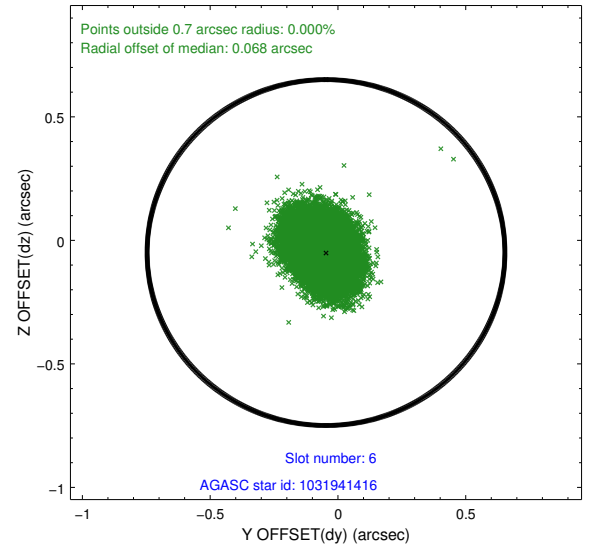
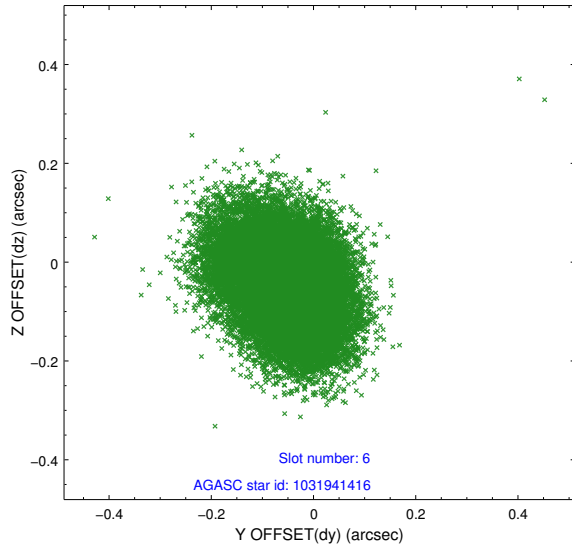
2.4.2 Slot 4



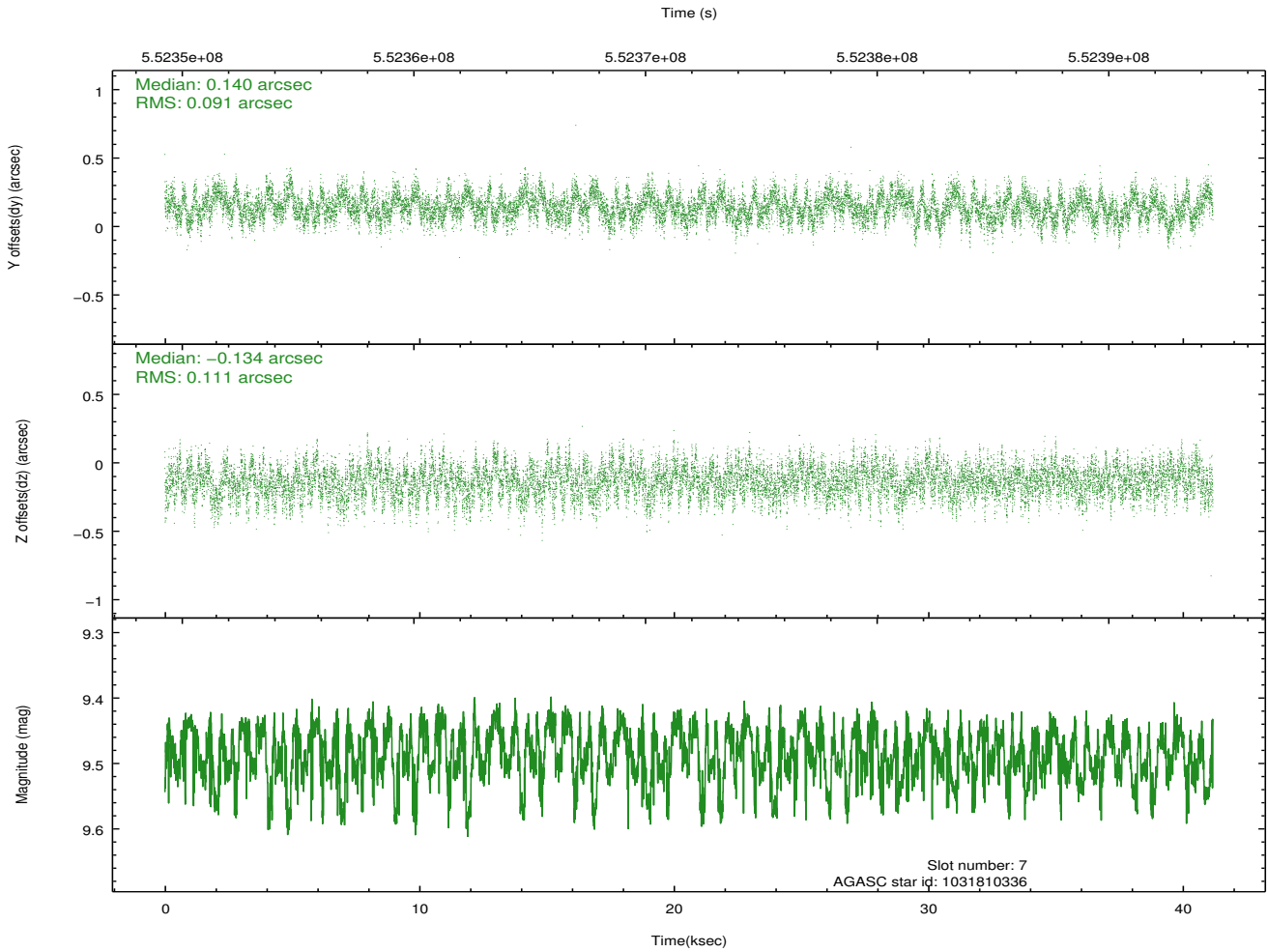
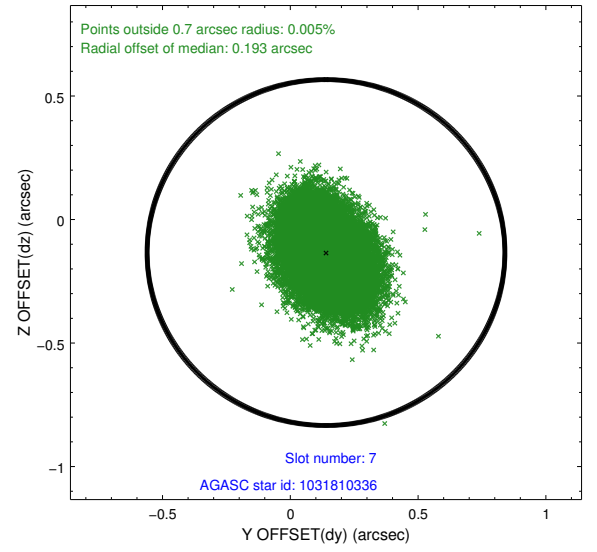
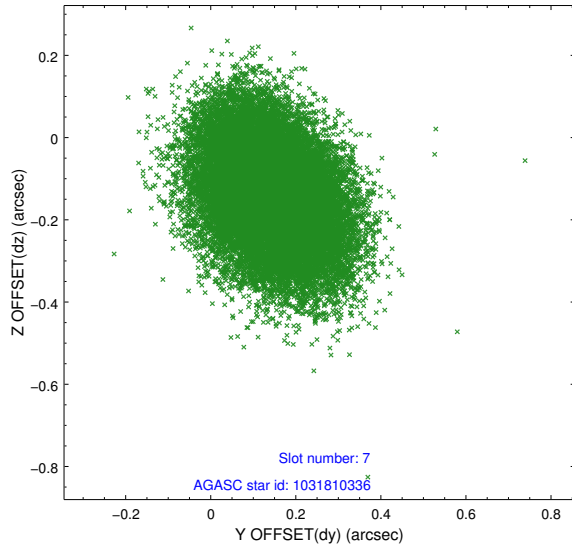
2.4.3 Slot 5



2.4.4 Slot 6

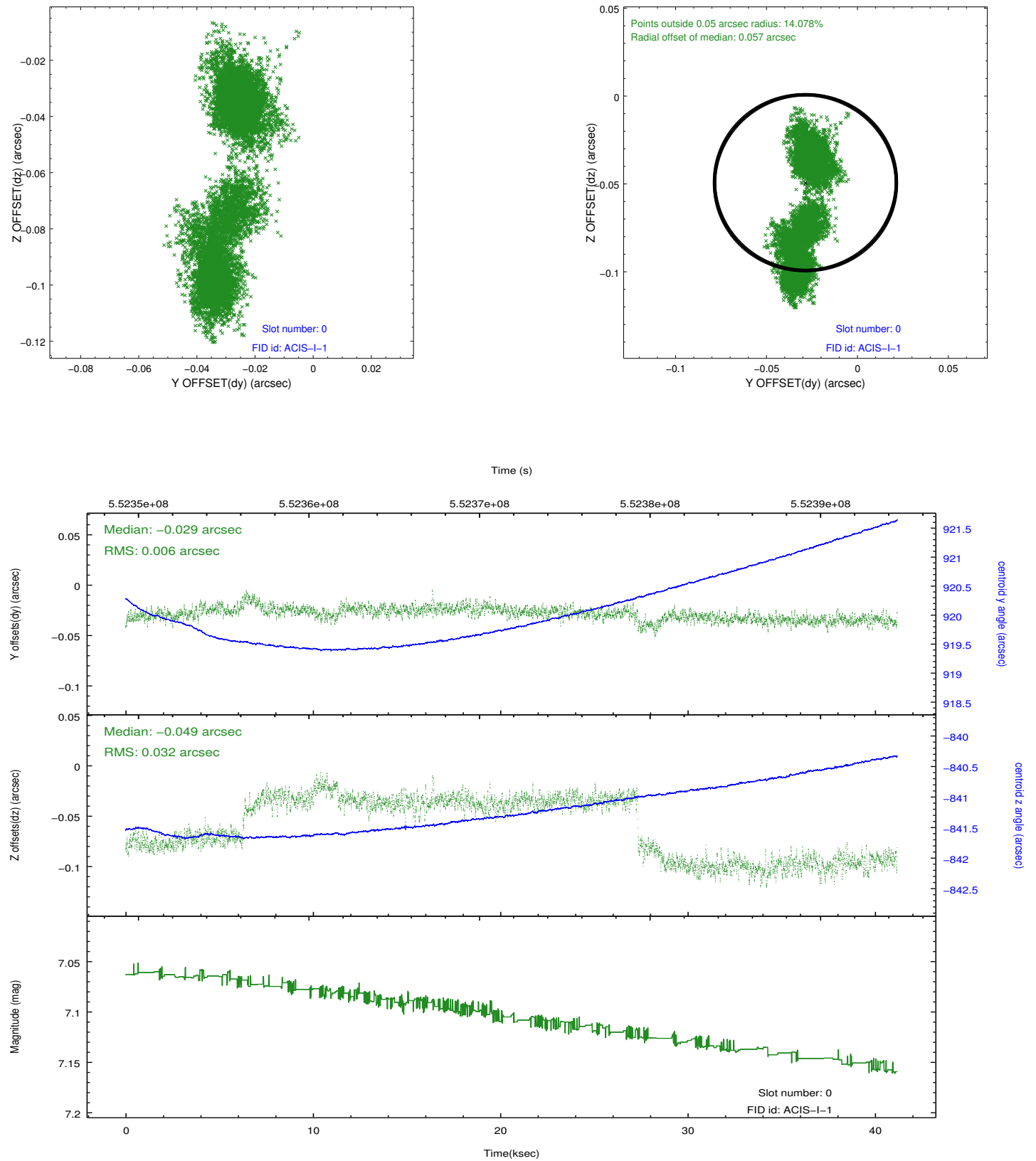


2.4.5 Slot 7

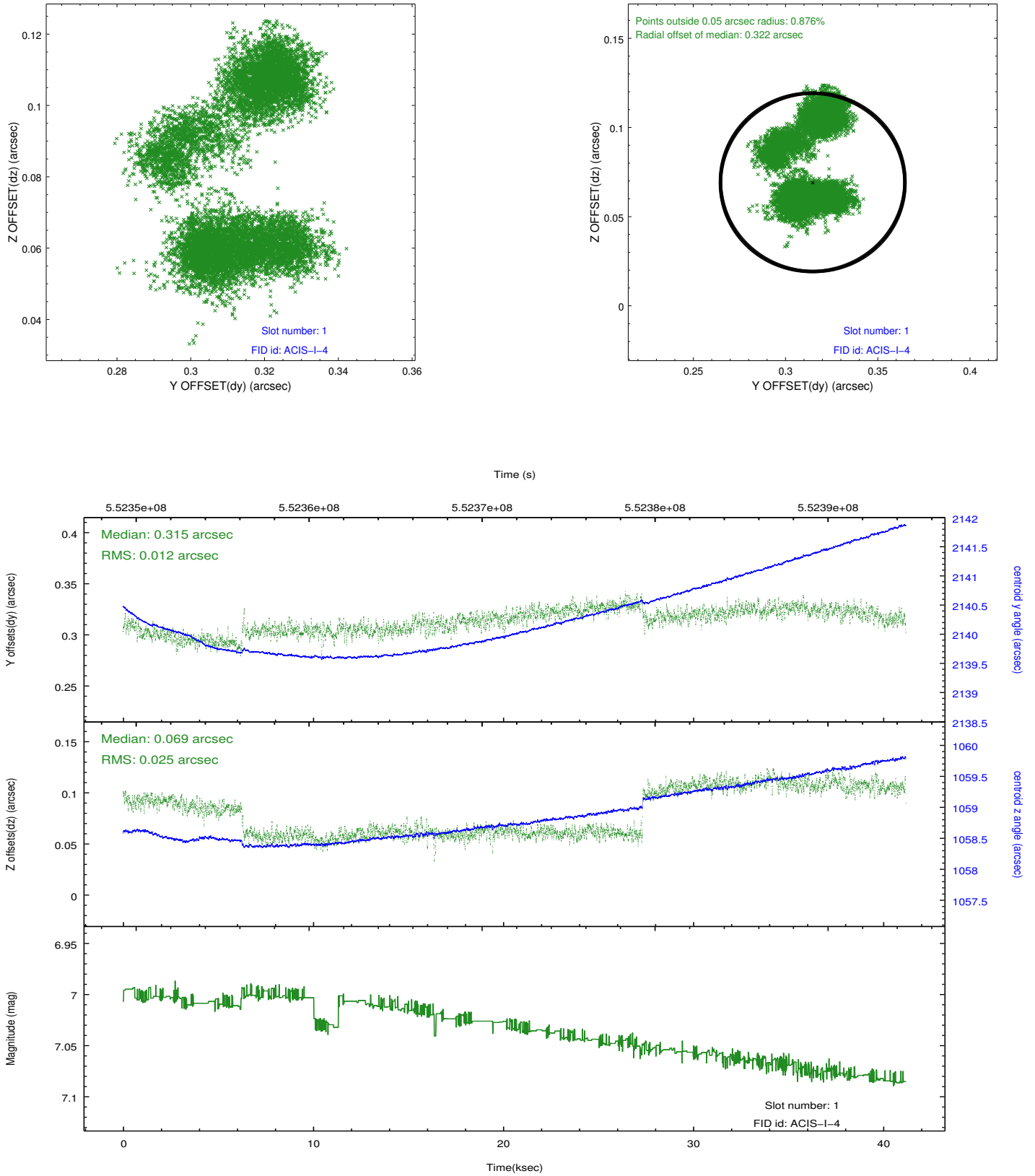


2.5 FID Slots

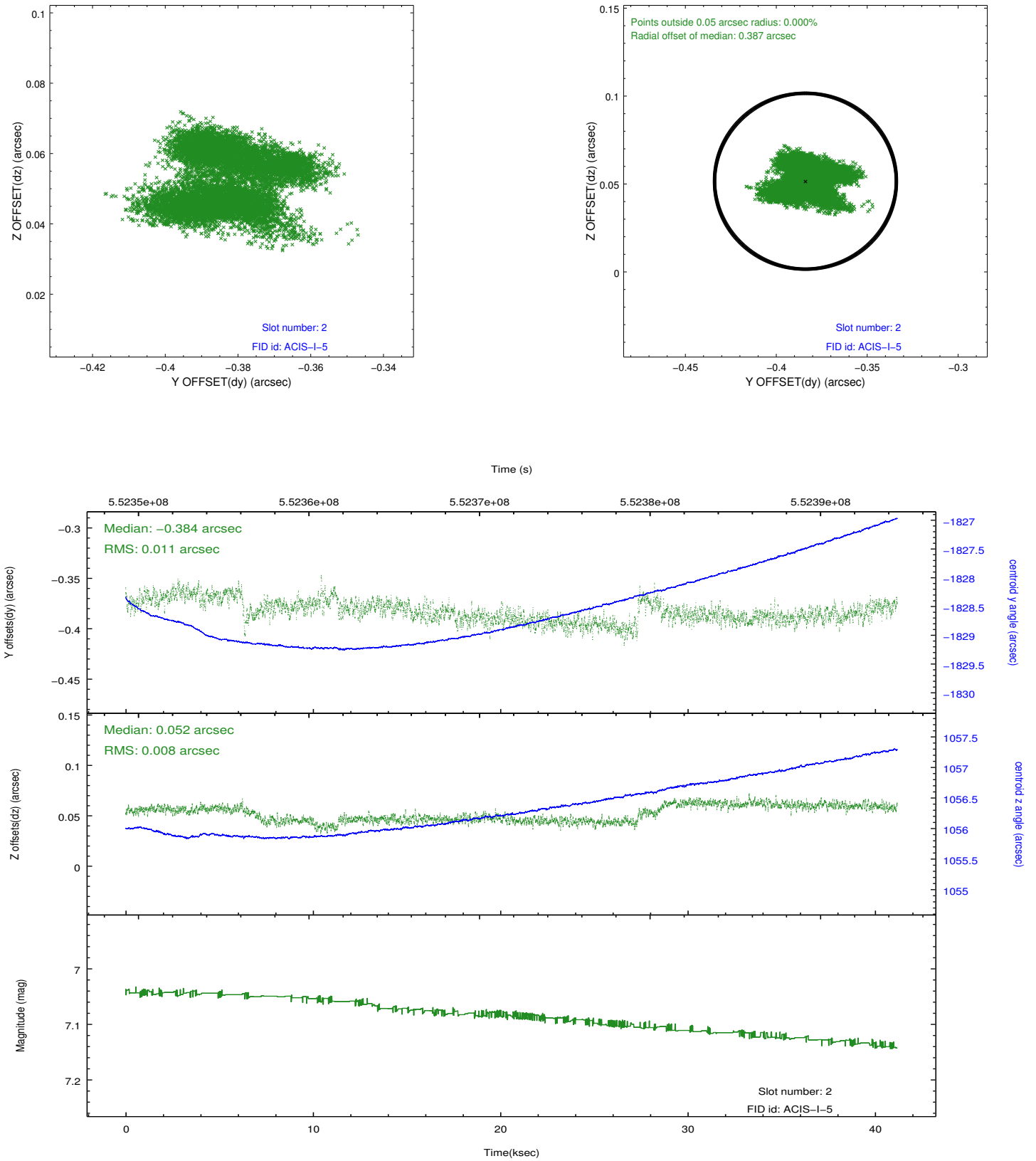
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.07.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.596872463703

A.2 Comments