

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 18342 - L2 Version 1
Chandra X-Ray Center

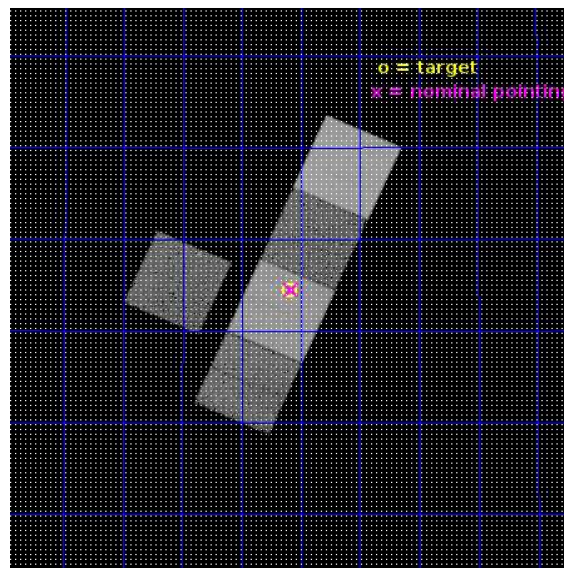
L2 Processing Date : Jun 10 2017

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1 Front

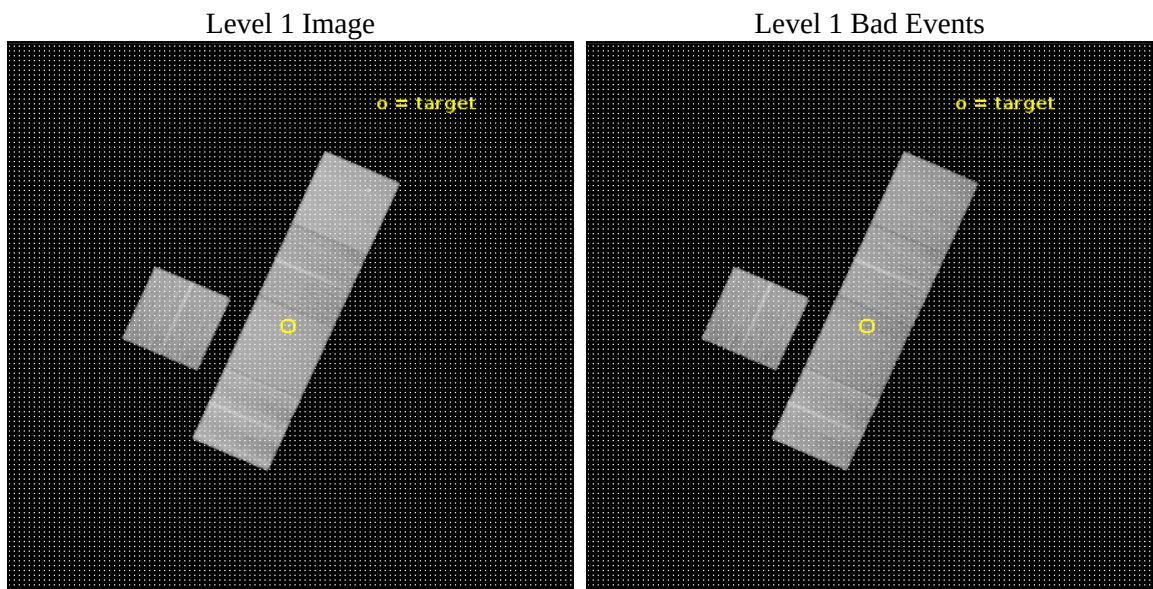
seq_num	502653	Sequence number
obs_id	18342	Observation id
title	The unprecedented metamorphosis of SN2014C: from a H-stripped explosion to a strongly interacting supernova	Proposal title
observer	Raffaella Margutti	Principal investigator
object	SN2014C	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	339.273333	Observer's specified target RA [deg]
dec_targ	34.408861	Observer's specified target Dec [deg]
ra_nom	339.26977044794	Nominal RA [deg]
dec_nom	34.408802021621	Nominal Dec [deg]
roll_nom	113.84596290951	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28453.964401841	Sum of GTIs [s]
livetime	28082.192409427	Livetime [s]
ontime3	28453.841281891	Sum of GTIs [s]
ontime5	28453.923361897	Sum of GTIs [s]
ontime6	28453.882321835	Sum of GTIs [s]
ontime7	28453.964401841	Sum of GTIs [s]
ontime8	28453.800241828	Sum of GTIs [s]
l2events	333976	Number of level 2 events



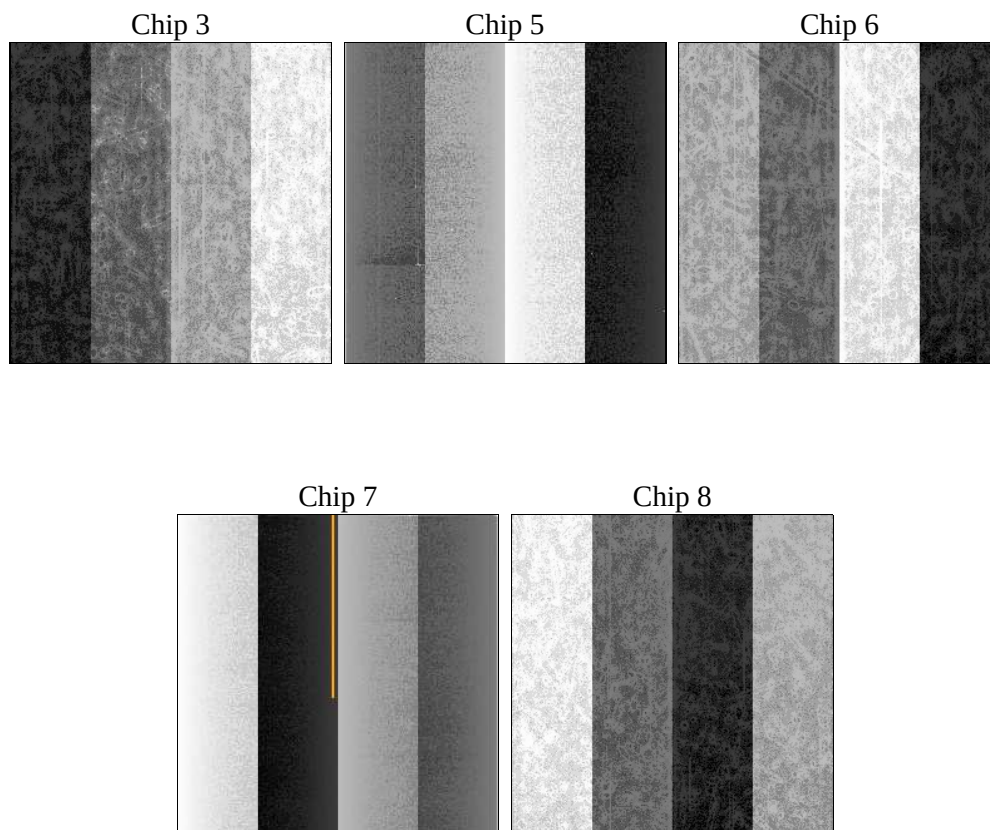
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28397.990000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	28453.964401841	Sum of GTIs [s]
caldsver	4.7.4	 	ontime3	28453.841281891	Sum of GTIs [s]
date	2017-06-10T17:11:21	Date and time of file creation	ontime5	28453.923361897	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	28453.882321835	Sum of GTIs [s]
			ontime7	28453.964401841	Sum of GTIs [s]
			ontime8	28453.800241828	Sum of GTIs [s]
			l1events	1268775	Number of level 1 events

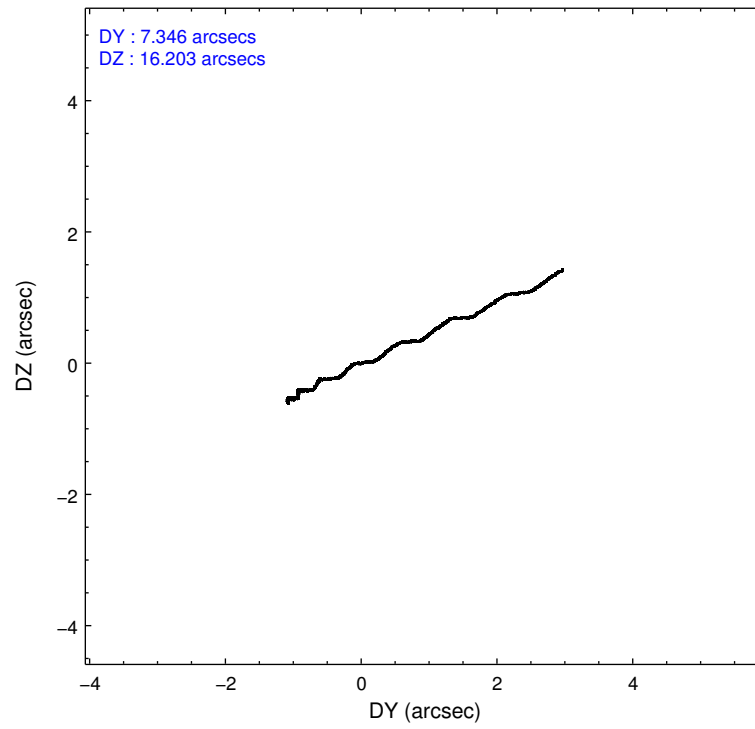
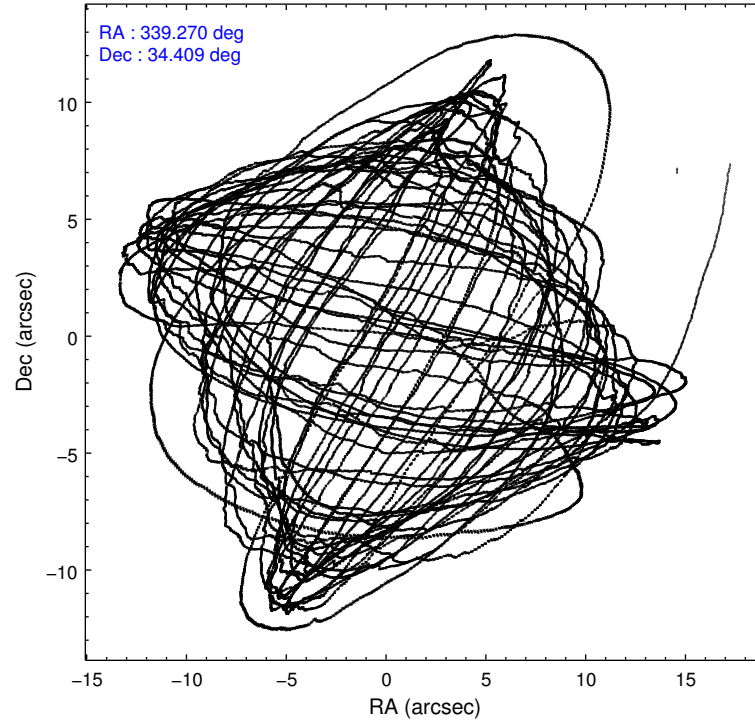
2.1.4 Events

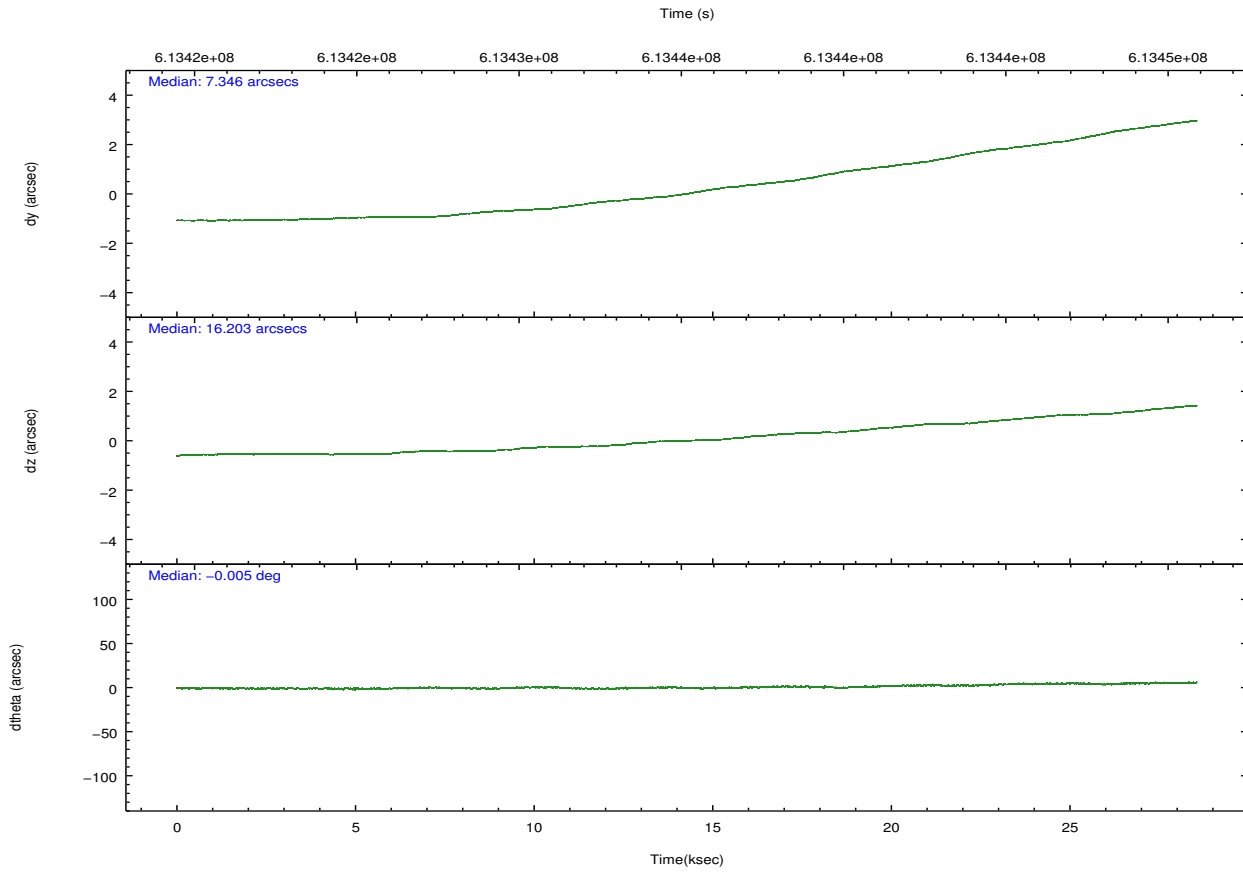
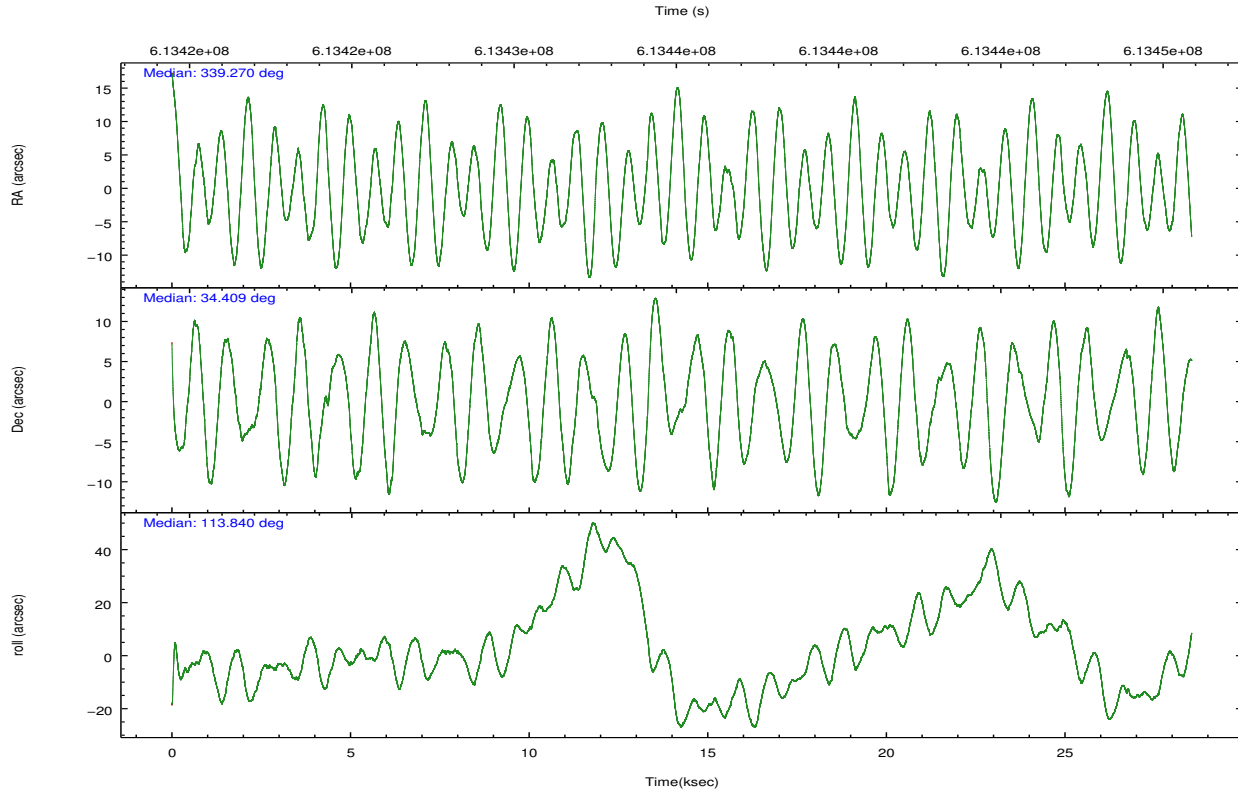
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	197491	323461	209294	267777	270752	grade 0 events	8311	9259	8375	11168	22889
rejected events	175394	168801	185113	147118	194510		4%	2%	4%	4%	8%
rejected %	88%	52%	88%	54%	71%	grade 1 events	125	694	144	388	213
							0%	0%	0%	0%	0%
						grade 2 events	4780	49488	5525	25860	18324
							2%	15%	2%	9%	6%
						grade 3 events	2253	5163	2413	10015	7909
							1%	1%	1%	3%	2%
						grade 4 events	2196	4901	2426	9878	7534
							1%	1%	1%	3%	2%
						grade 5 events	9608	23477	9760	26757	14598
							4%	7%	4%	9%	5%
						grade 6 events	4560	85869	5446	63749	19587
							2%	26%	2%	23%	7%
						grade 7 events	165658	144610	175205	119962	179698
							83%	44%	83%	44%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	339.296853	339.2697704479376	CCD I2 on	N	N
[deg] Pointing Dec	34.392896	34.40880202162085	CCD I3 on	O1	Y
[deg] Pointing Roll	113.674057	113.8459629095078	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	613421034.184000	613419833.45191	CCD S5 on	N	N
Observation start date	2017-06-09T18:42:45	2017-06-09T18:23:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	613449432.184000	613449658.90365	On-chip summing requested	N	N
Observation end date	2017-06-10T02:36:03	2017-06-10T02:40:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



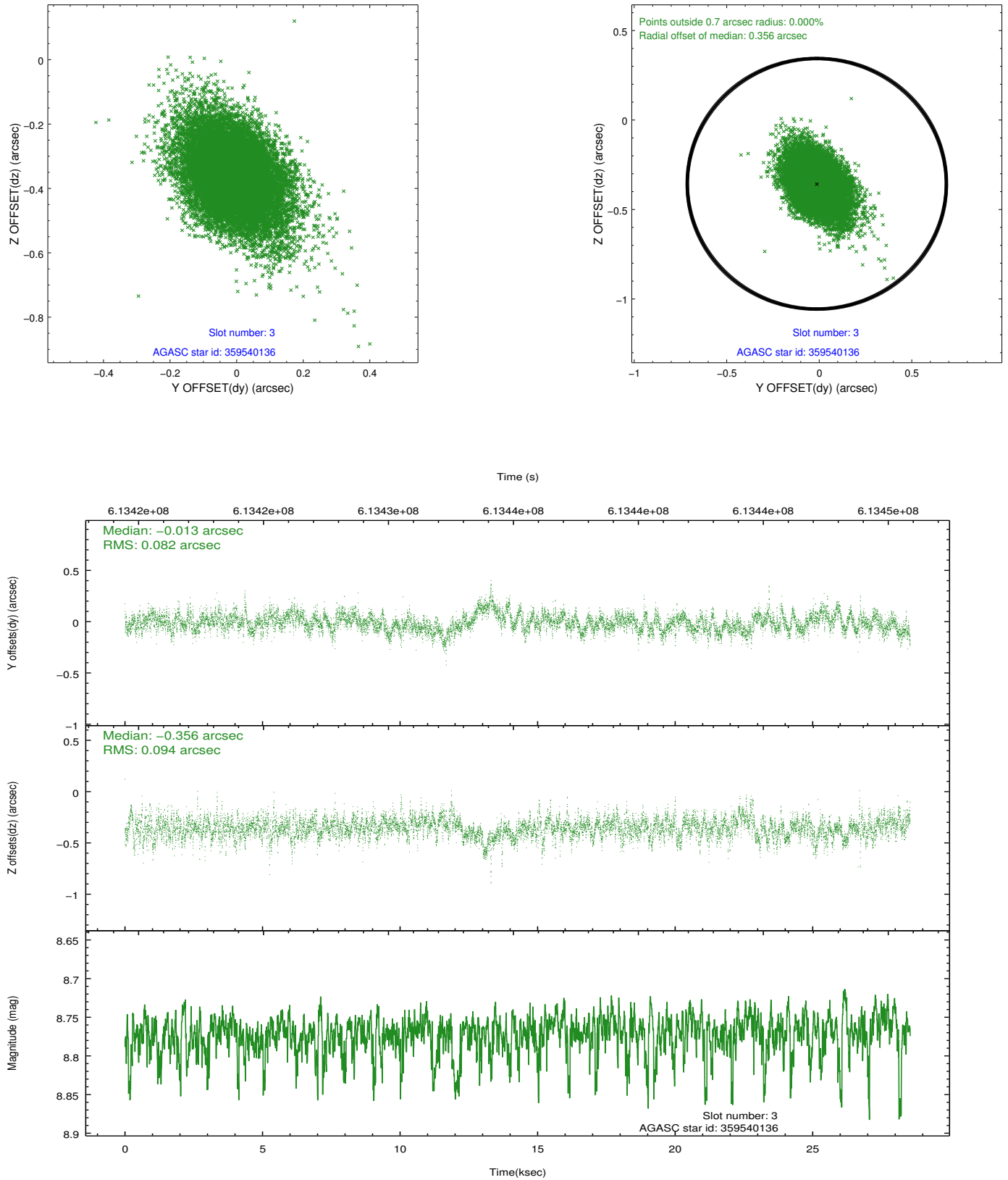


Slot Statistics

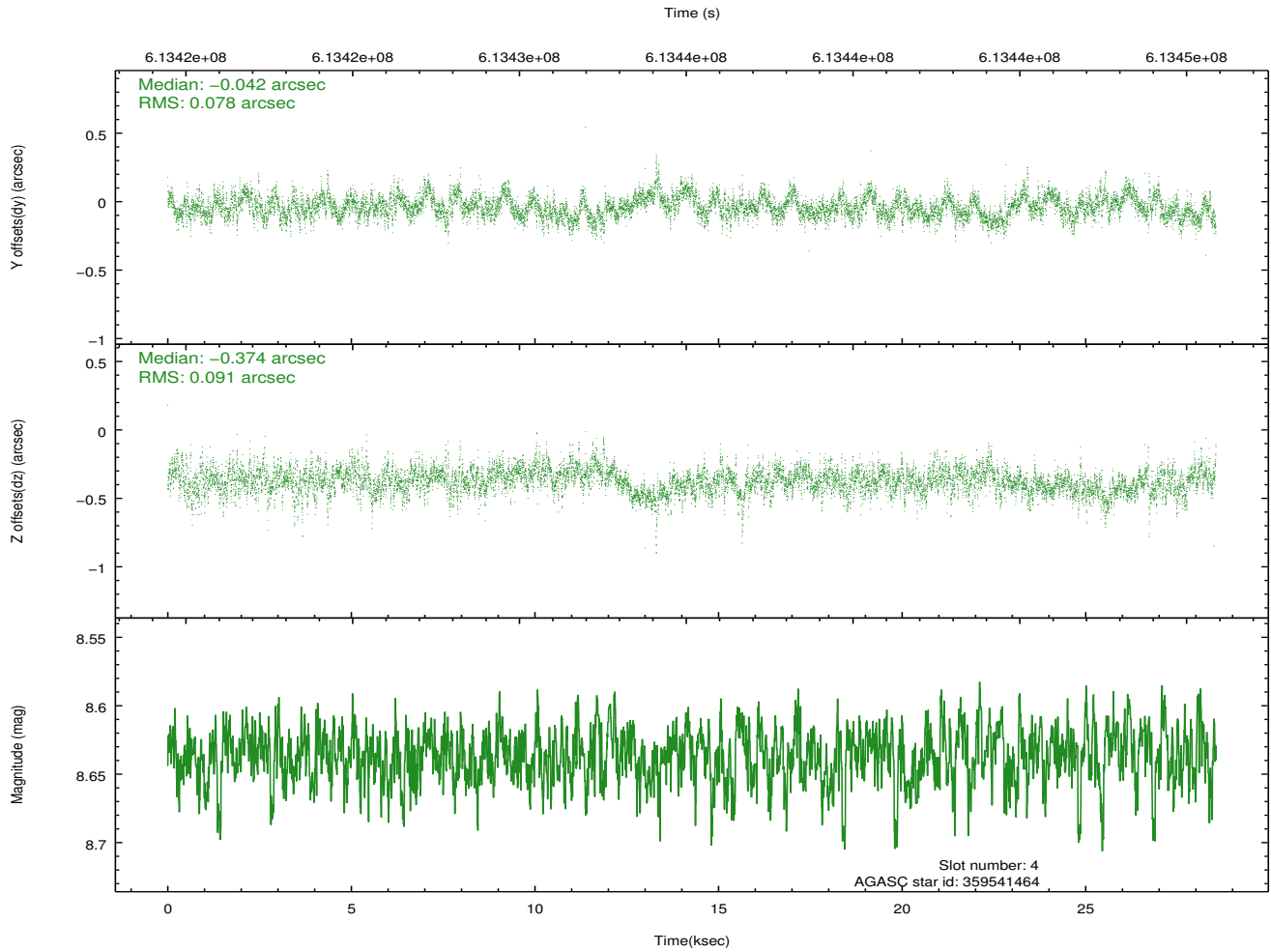
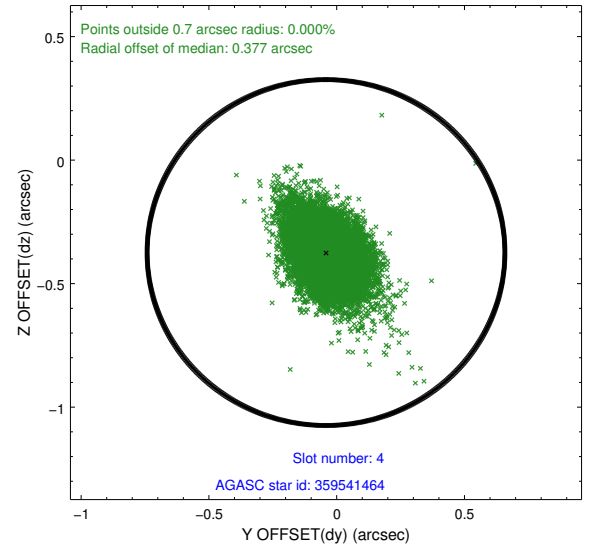
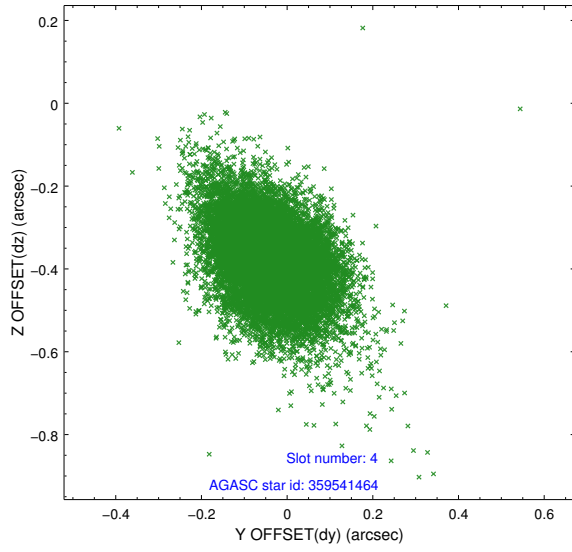
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.96	6962	-0.148	-0.034	0.026	0.039	0.000000	0.000000	-760.61	-1737.81
1	FID		ACIS-S-4	7.07	6963	0.316	0.084	0.022	0.063	0.000000	0.000000	2153.10	170.73
2	FID		ACIS-S-5	7.08	6963	-0.192	-0.038	0.045	0.080	0.000000	0.000000	-1813.41	164.35
3	GUIDE	used	359540136	8.77	13919	-0.013	-0.356	0.126	0.223	339.014971	34.618247	1079.55	439.09
4	GUIDE	used	359541464	8.64	13919	-0.042	-0.374	0.122	0.209	339.073218	34.654496	1129.50	228.18
5	GUIDE	used	359547944	9.35	13901	-0.297	0.071	0.165	0.292	338.858049	34.436167	668.46	1130.01
6	GUIDE	used	359668200	9.38	13905	0.098	0.326	0.176	0.293	339.828324	34.777783	642.50	-1996.51
7	GUIDE	used	359672344	9.33	13907	0.243	0.342	0.178	0.330	340.166876	34.251669	-1494.16	-2170.97

2.4 Star Slots

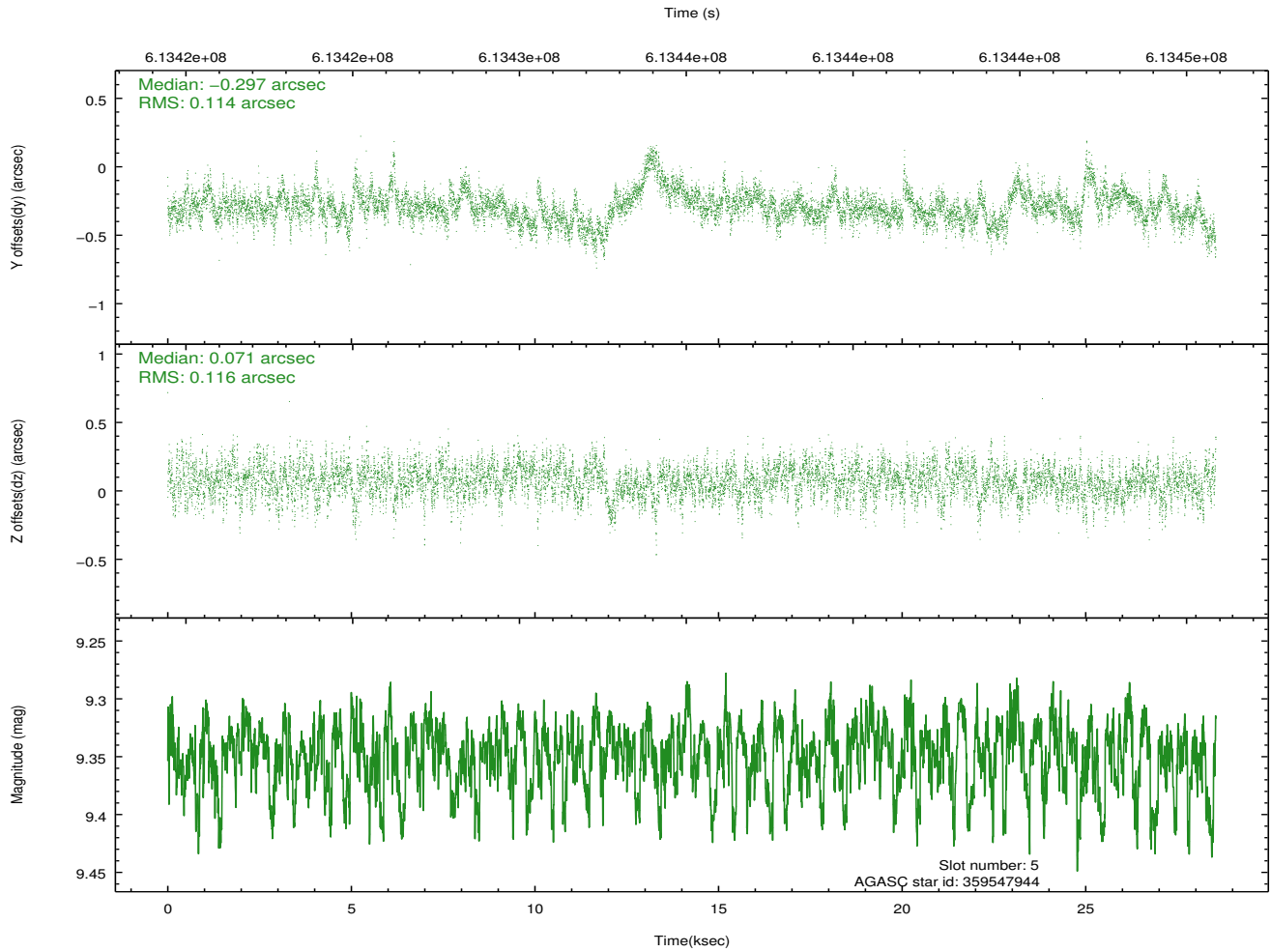
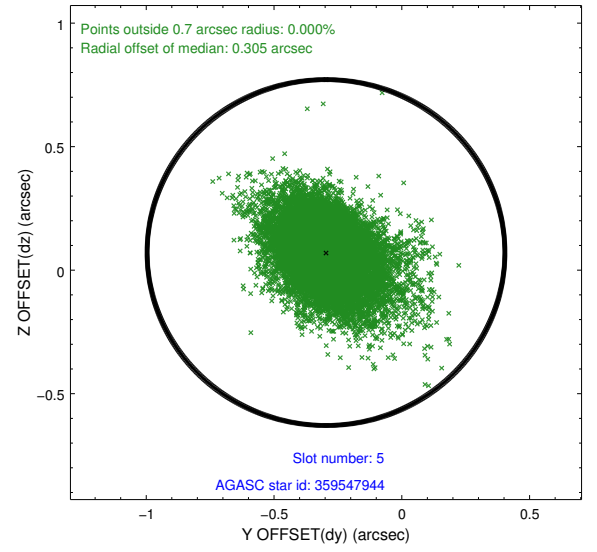
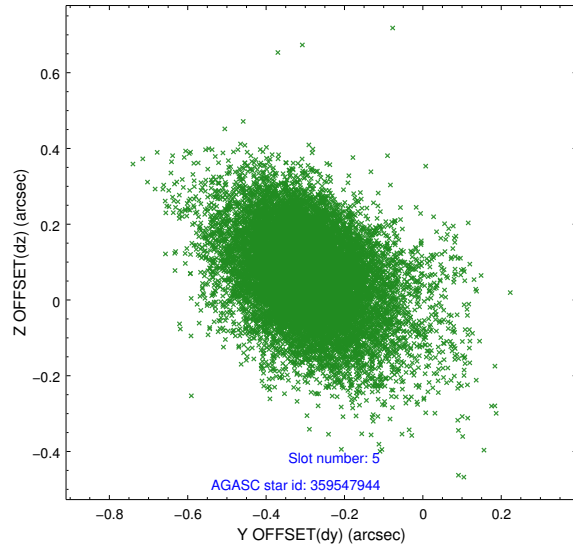
2.4.1 Slot 3



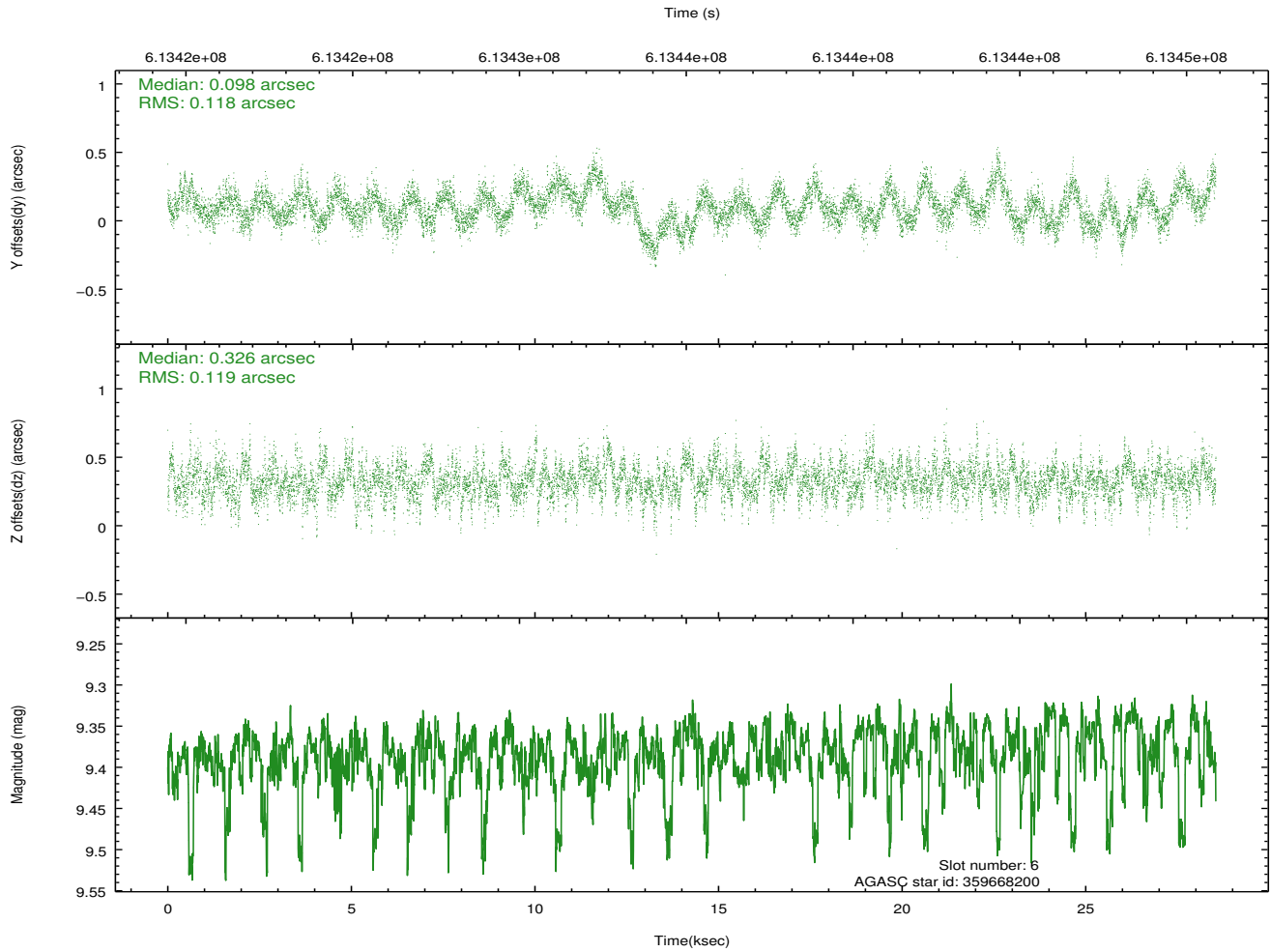
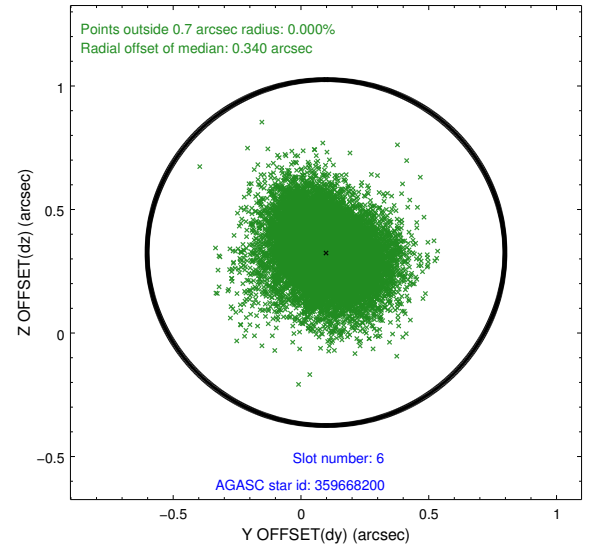
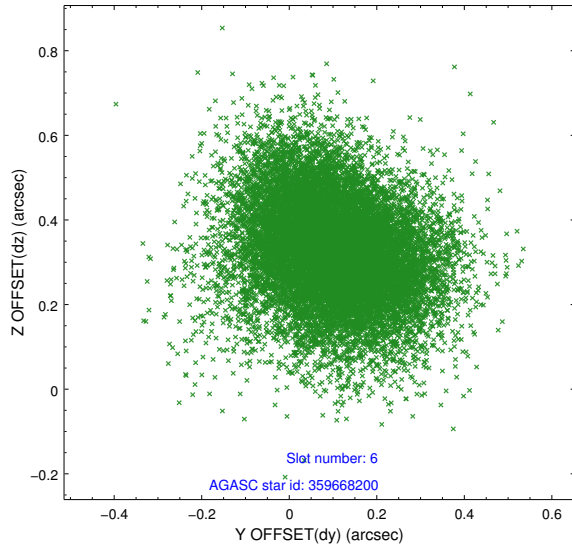
2.4.2 Slot 4



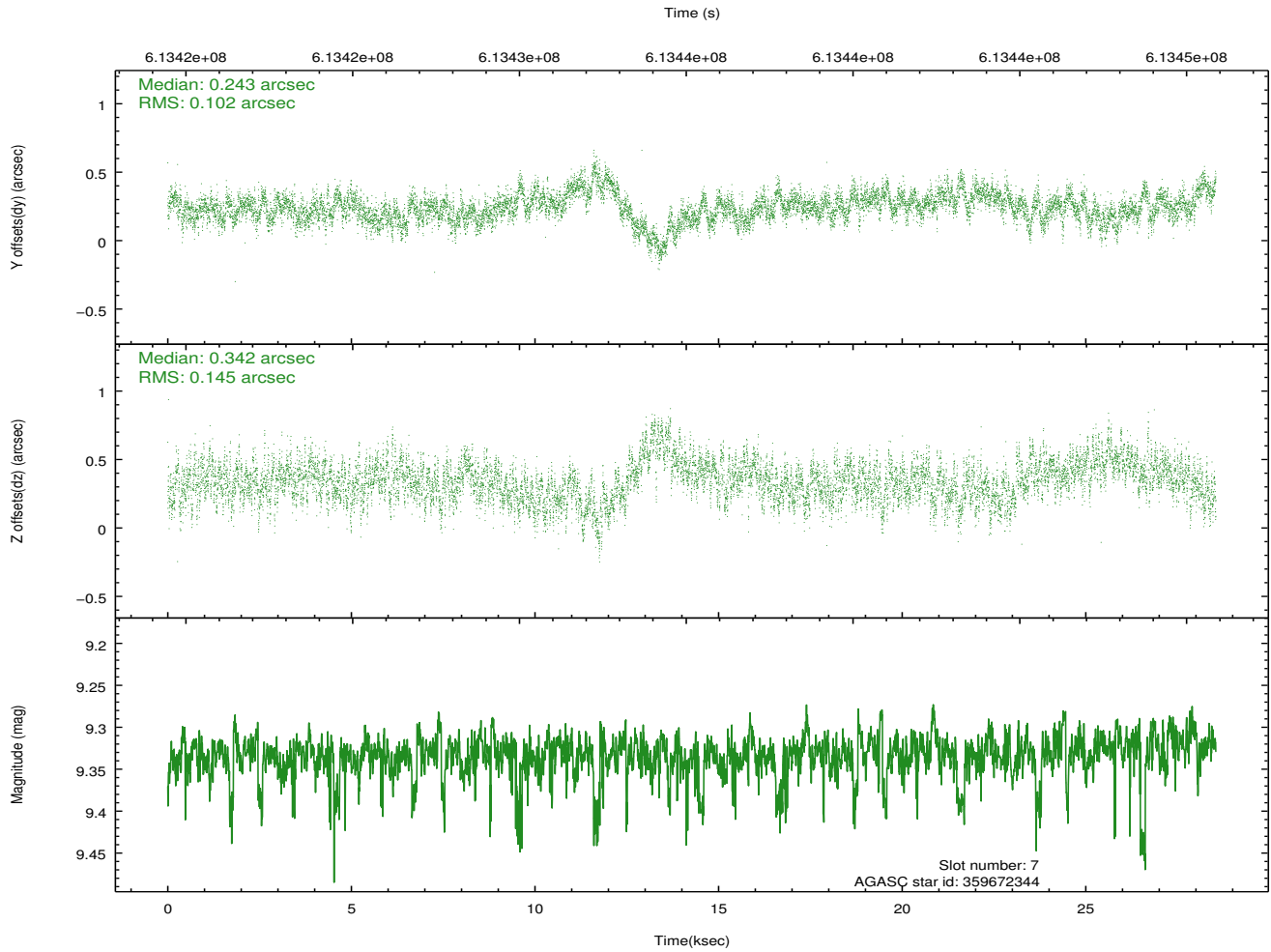
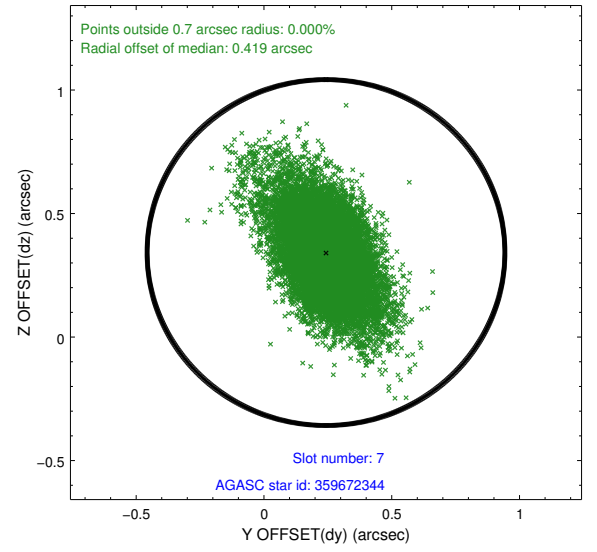
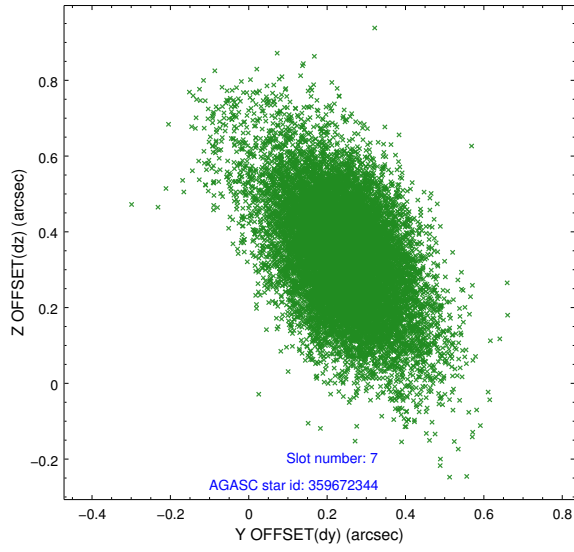
2.4.3 Slot 5



2.4.4 Slot 6

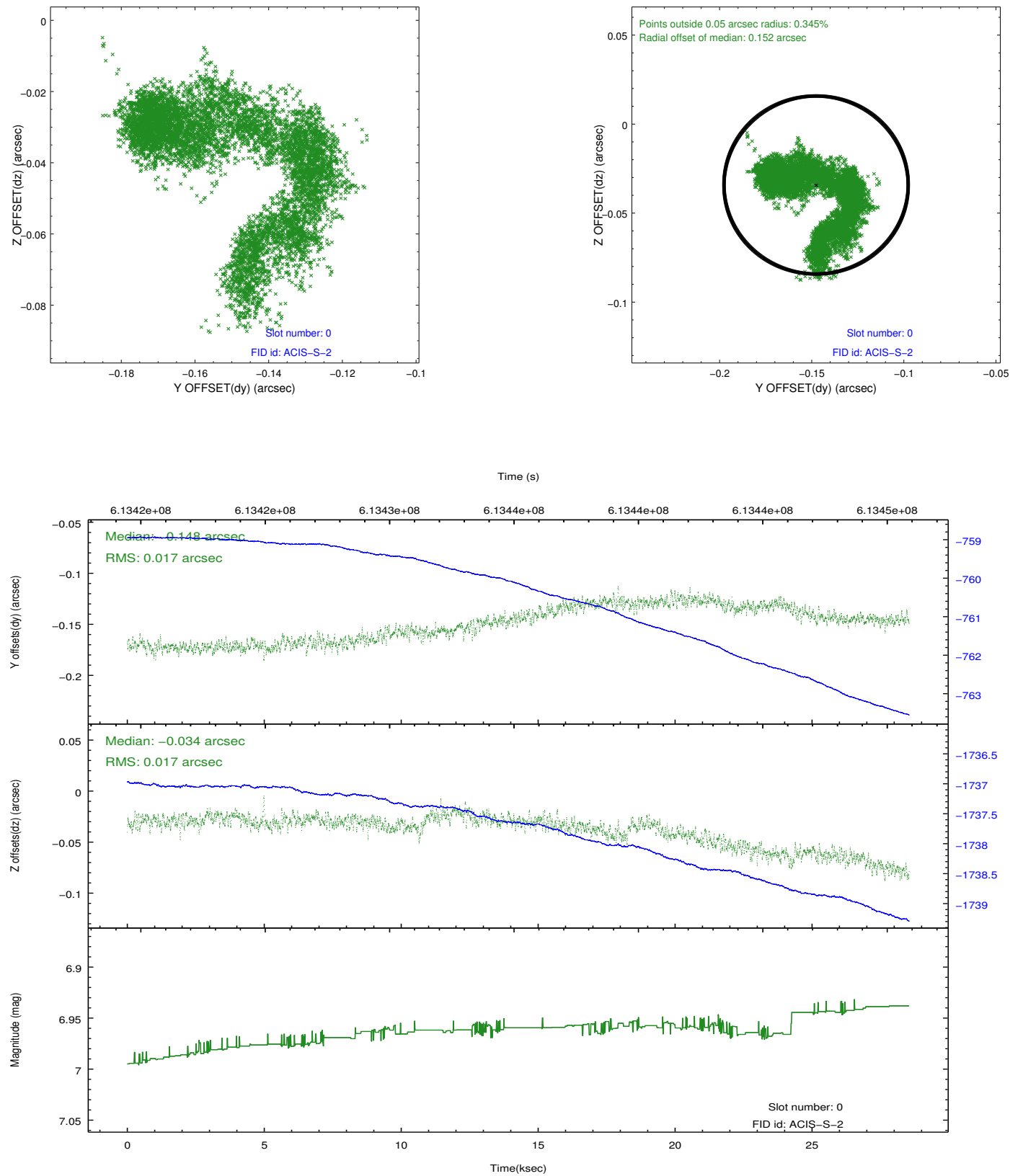


2.4.5 Slot 7

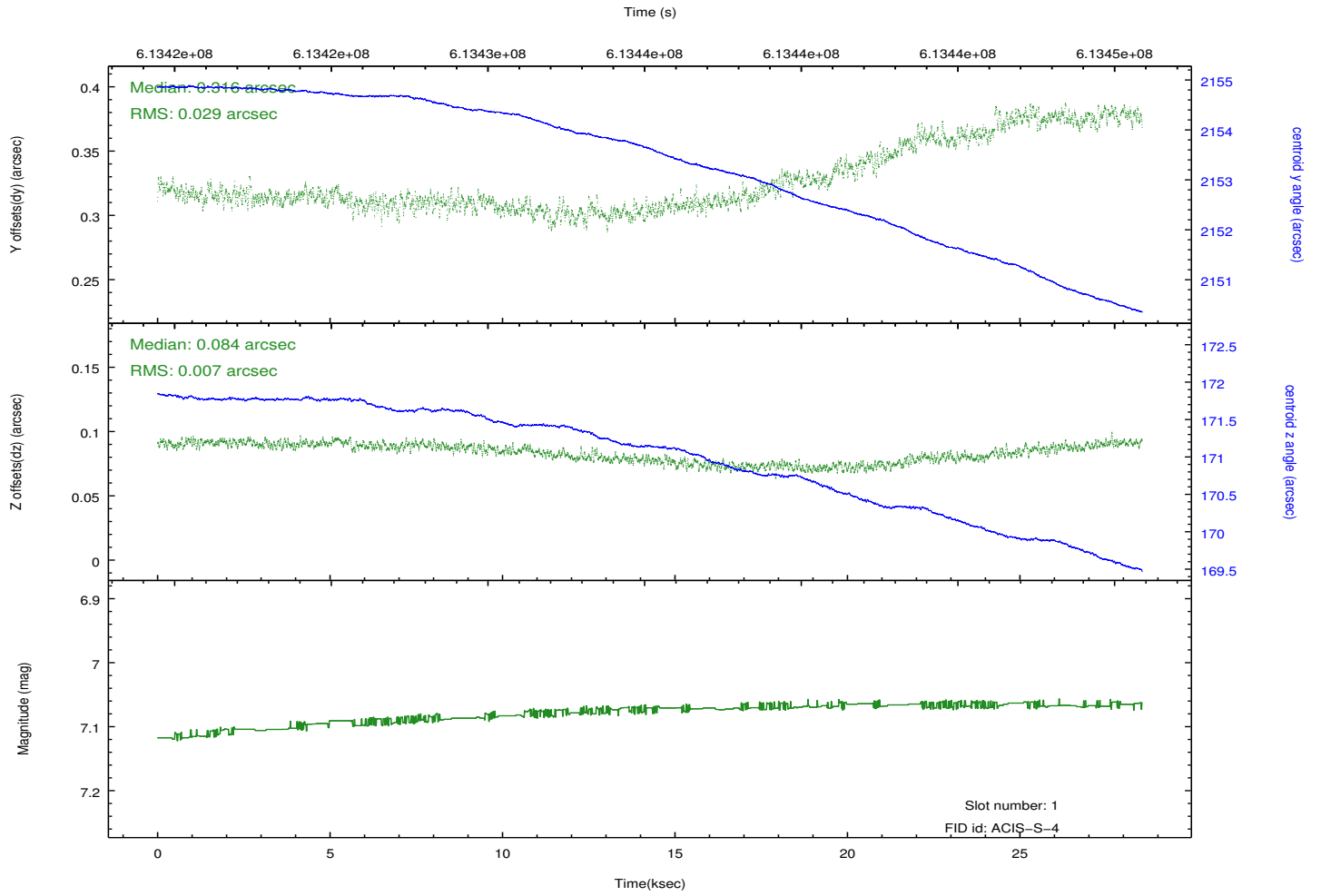
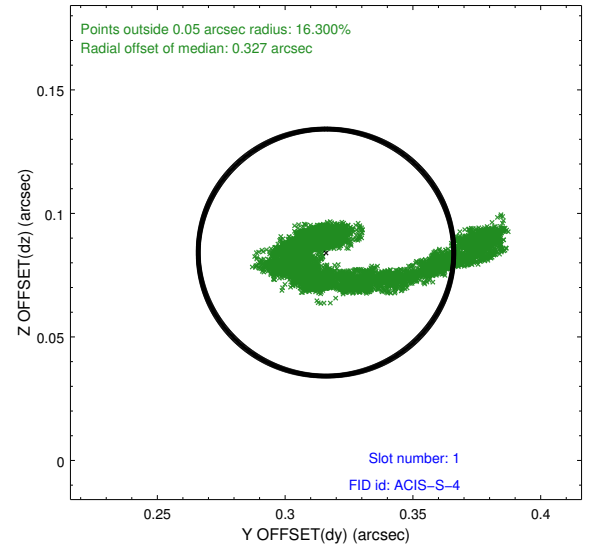
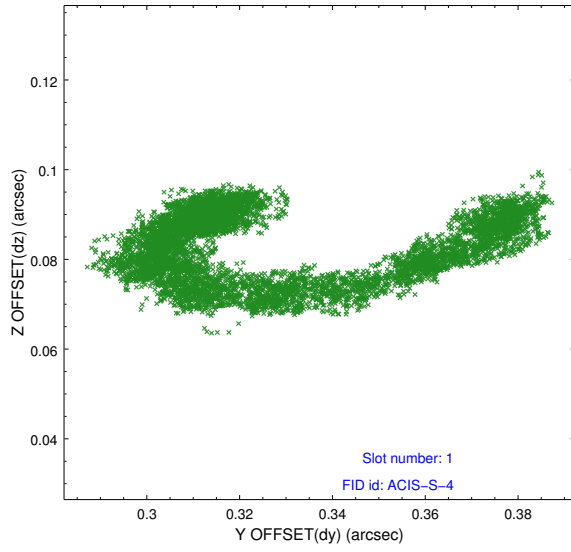


2.5 FID Slots

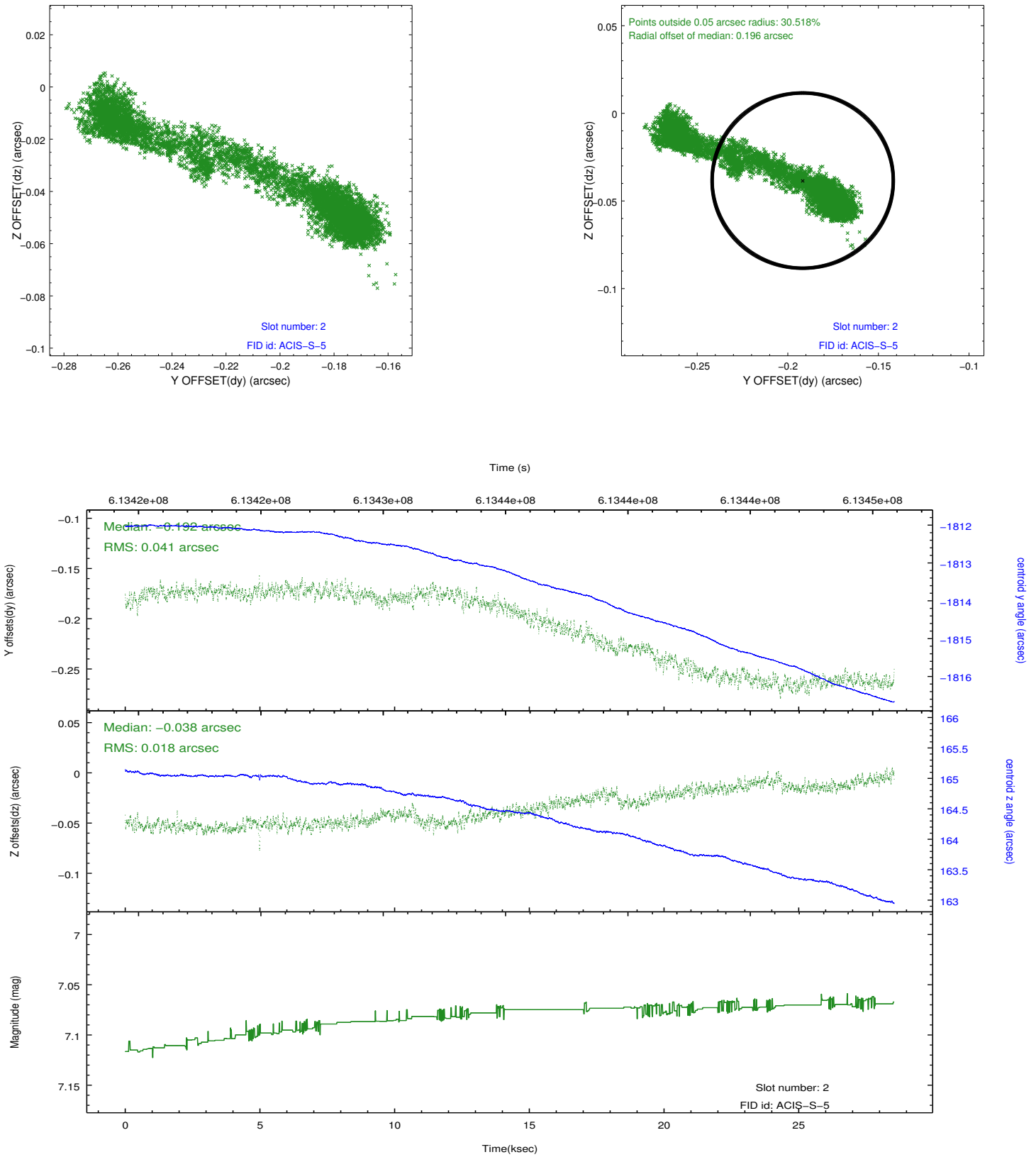
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.453964401841

A.2 Comments