

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18136 - L2 Version 1
Chandra X-Ray Center

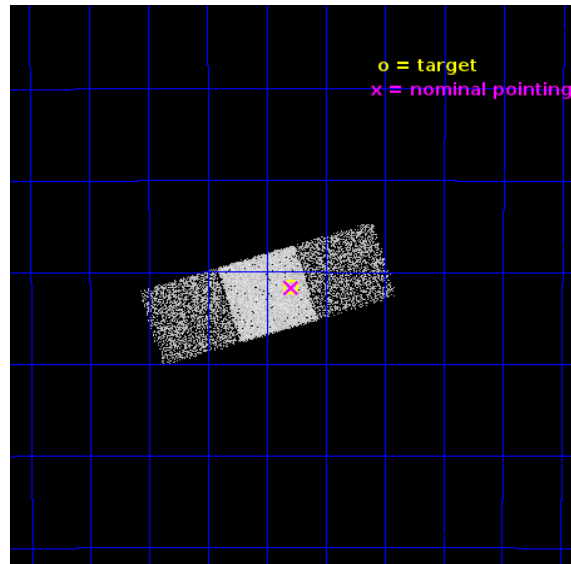
L2 Processing Date : May 30 2016

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1 Front

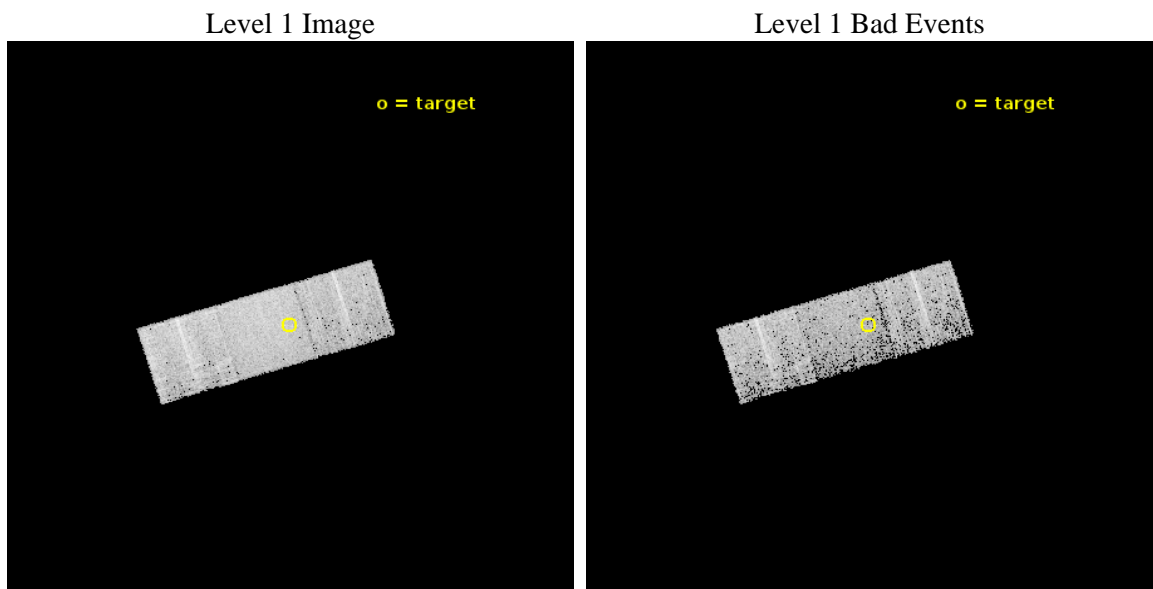
seq_num	703202	Sequence number
obs_id	18136	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	fcc55	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	51.825	Observer's specified target RA [deg]
dec_targ	-34.526444	Observer's specified target Dec [deg]
ra_nom	51.822935884969	Nominal RA [deg]
dec_nom	-34.528504670108	Nominal Dec [deg]
roll_nom	162.86564949653	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4667.9377762079	Sum of GTIs [s]
livetime	4606.947732676	Livetime [s]
ontime6	4667.8967362642	Sum of GTIs [s]
ontime7	4667.9377762079	Sum of GTIs [s]
ontime8	4658.4326155186	Sum of GTIs [s]
l2events	21626	Number of level 2 events



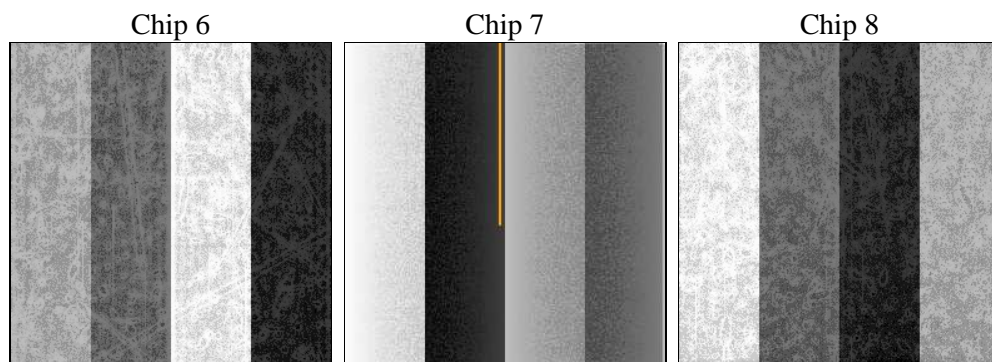
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4862.138000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	4667.9377762079	Sum of GTIs [s]
caldsver	4.7.1	 	ontime6	4667.8967362642	Sum of GTIs [s]
date	2016-05-30T23:10:53	Date and time of file creation	ontime7	4667.9377762079	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4658.4326155186	Sum of GTIs [s]
			l1events	107253	Number of level 1 events

2.1.4 Events

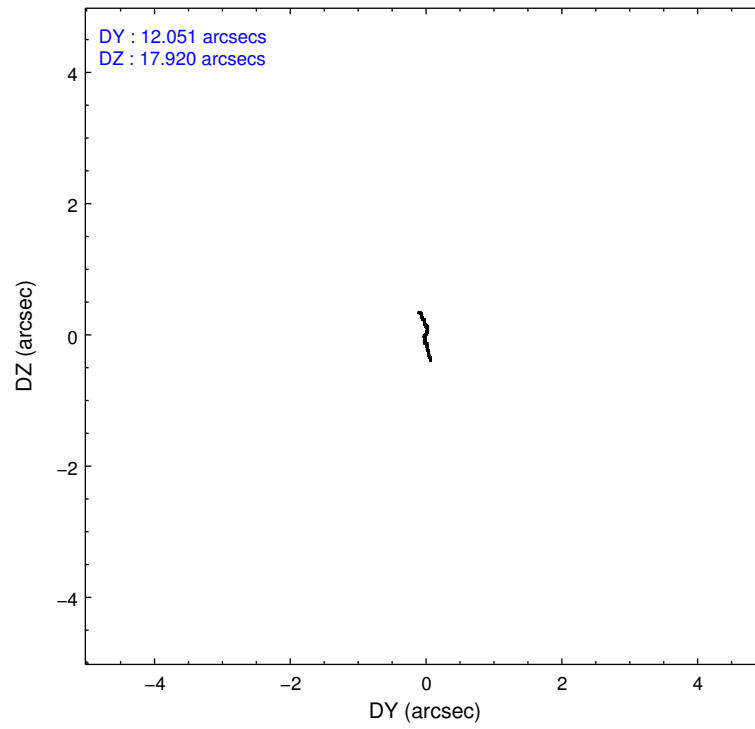
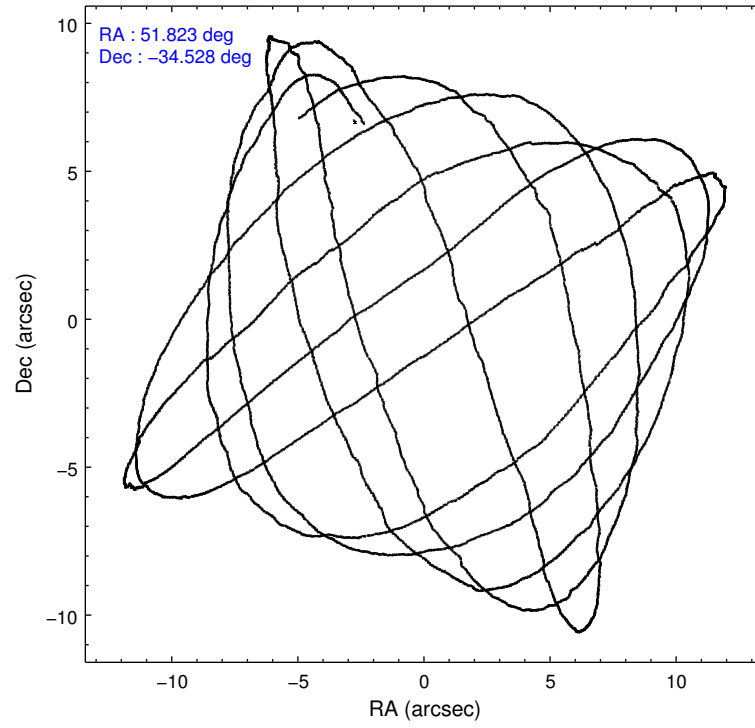
	ccd 6	ccd 7	ccd 8
level 1 events	30732	37507	39014
rejected events	27427	21564	30175
rejected %	89%	57%	77%

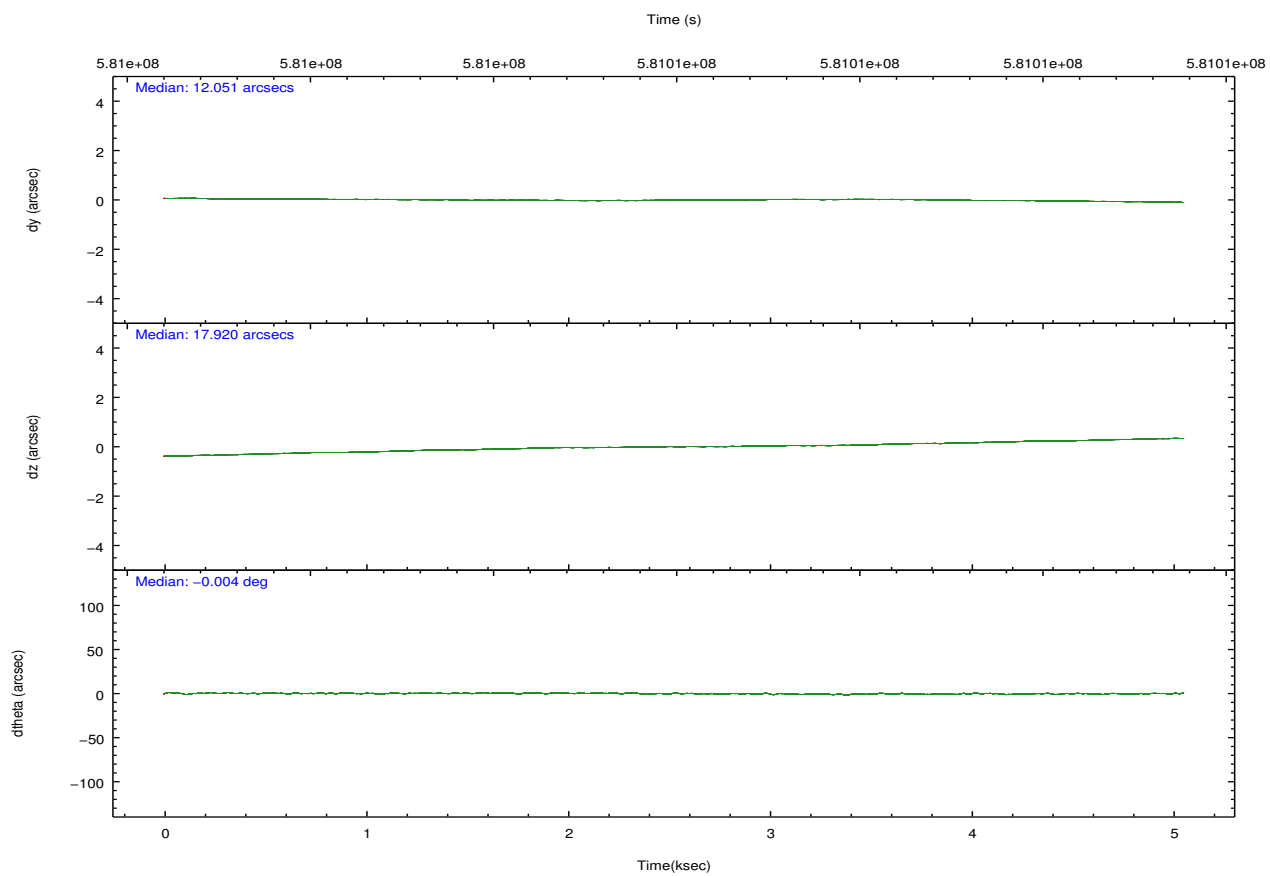
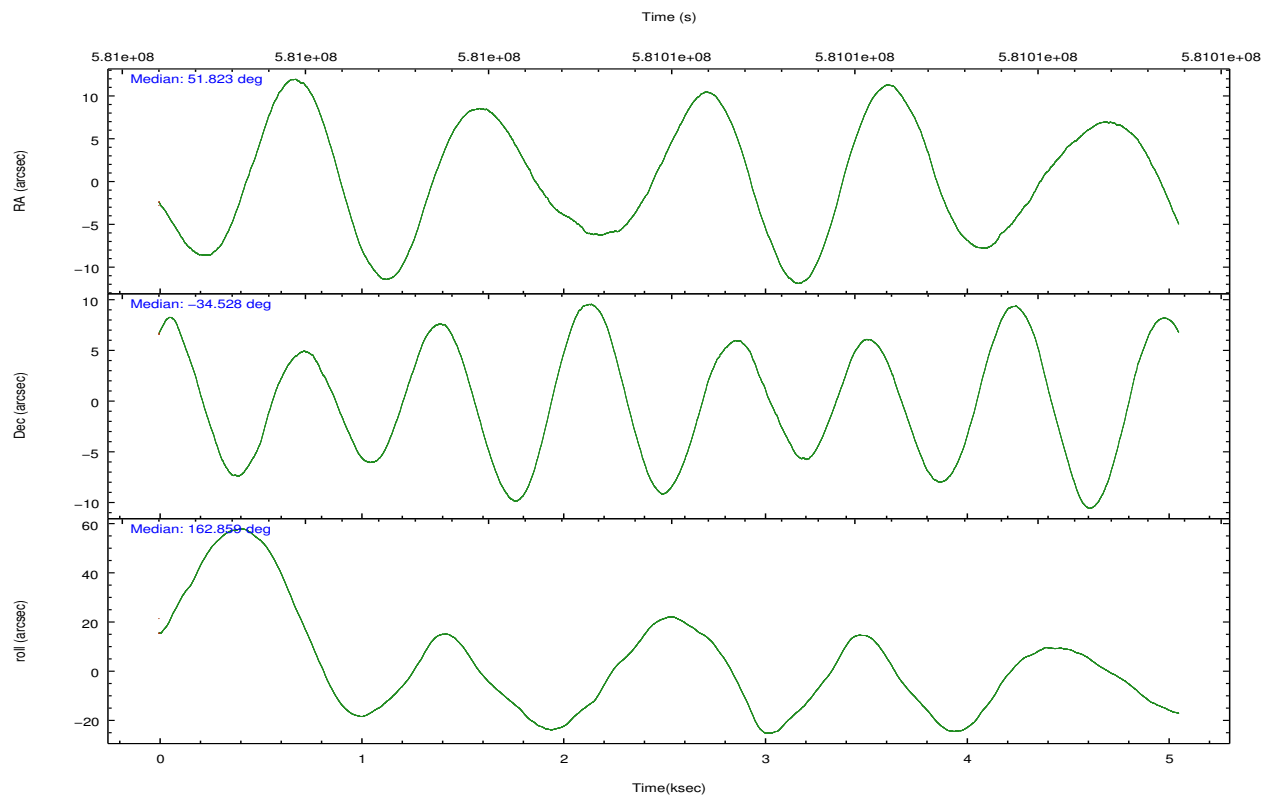
	ccd 6	ccd 7	ccd 8
grade 0 events	1063	1273	2587
	3%	3%	6%
grade 1 events	11	39	44
	0%	0%	0%
grade 2 events	805	3482	2176
	2%	9%	5%
grade 3 events	279	1157	898
	0%	3%	2%
grade 4 events	284	1164	859
	0%	3%	2%
grade 5 events	1281	3562	2014
	4%	9%	5%
grade 6 events	878	8890	2347
	2%	23%	6%
grade 7 events	26131	17940	28089
	85%	47%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	51.855311	51.82293588496891	CCD I2 on	N	N
[deg] Pointing Dec	-34.522074	-34.52850467010806	CCD I3 on	N	N
[deg] Pointing Roll	162.727365	162.8656494965288	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	581003641.184000	581003202.59219	CCD S5 on	N	N
Observation start date	2016-05-30T13:52:53	2016-05-30T13:46:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	581008503.184000	581008717.605	On-chip summing requested	N	N
Observation end date	2016-05-30T15:13:55	2016-05-30T15:18:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



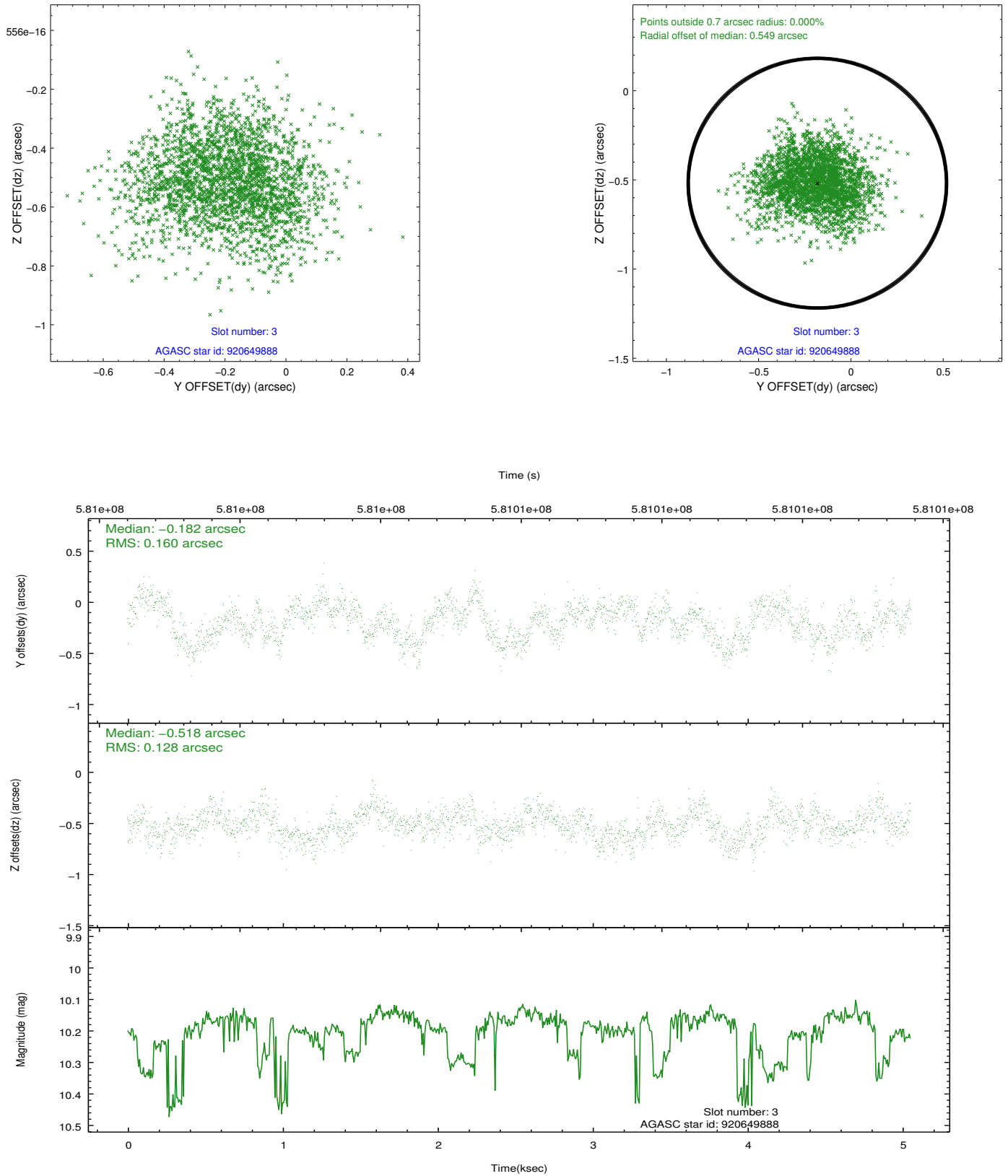


Slot Statistics

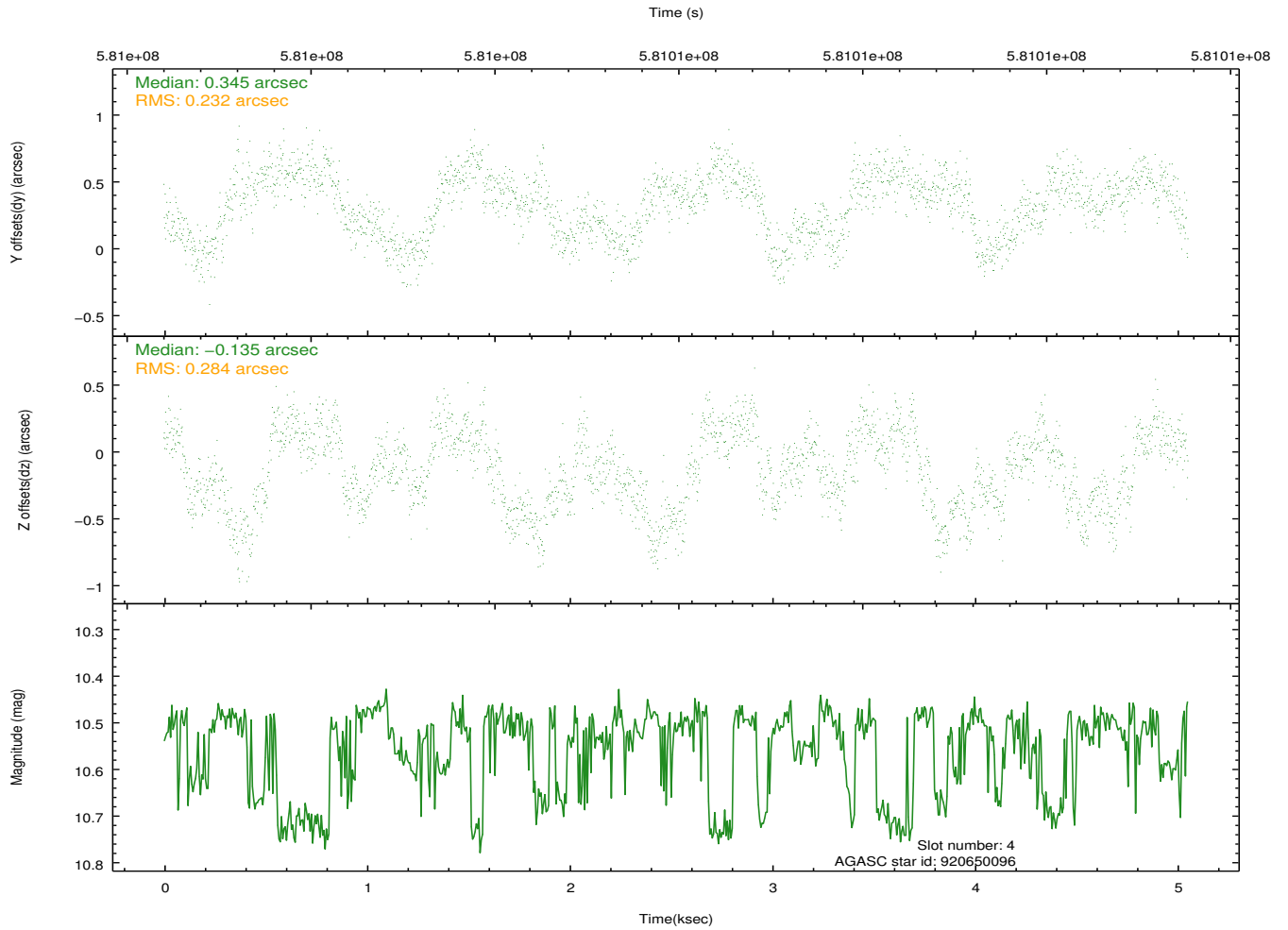
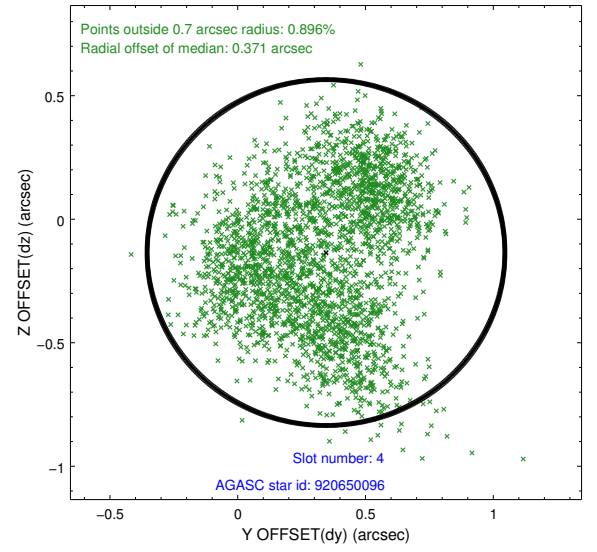
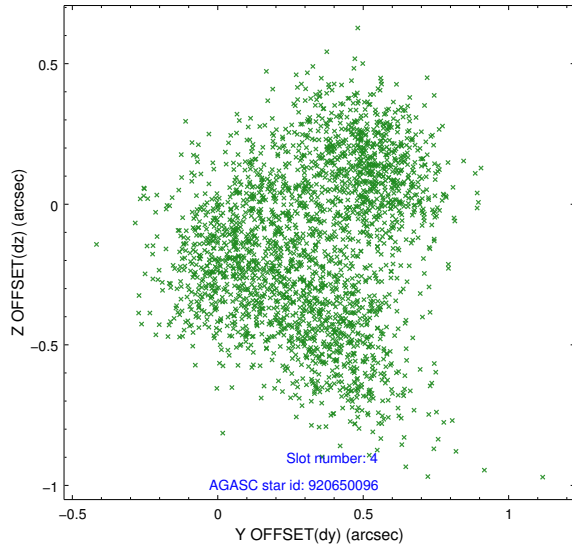
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	1233	-0.122	-0.100	0.007	0.012	0.000000	0.000000	-765.06	-1739.41
1	FID		ACIS-S-4	7.23	1233	0.351	0.086	0.005	0.009	0.000000	0.000000	2148.14	168.00
2	FID		ACIS-S-5	7.25	1233	-0.260	0.023	0.007	0.013	0.000000	0.000000	-1816.50	162.98
3	GUIDE	used	920649888	10.20	2457	-0.182	-0.518	0.220	0.350	51.124383	-34.613960	1967.74	967.12
4	GUIDE	used	920650096	10.53	2456	0.345	-0.135	0.399	0.573	52.278710	-34.863428	-1558.43	805.84
5	GUIDE	used	920650360	9.53	2461	0.001	0.277	0.169	0.276	51.693191	-33.793829	1240.95	-2357.99
6	GUIDE	used	920654072	9.05	2466	-0.059	0.186	0.198	0.314	51.548481	-33.782705	1666.77	-2267.74
7	GUIDE	used	920654232	9.67	2463	-0.084	0.207	0.216	0.350	51.268153	-33.886629	2354.62	-1658.75

2.4 Star Slots

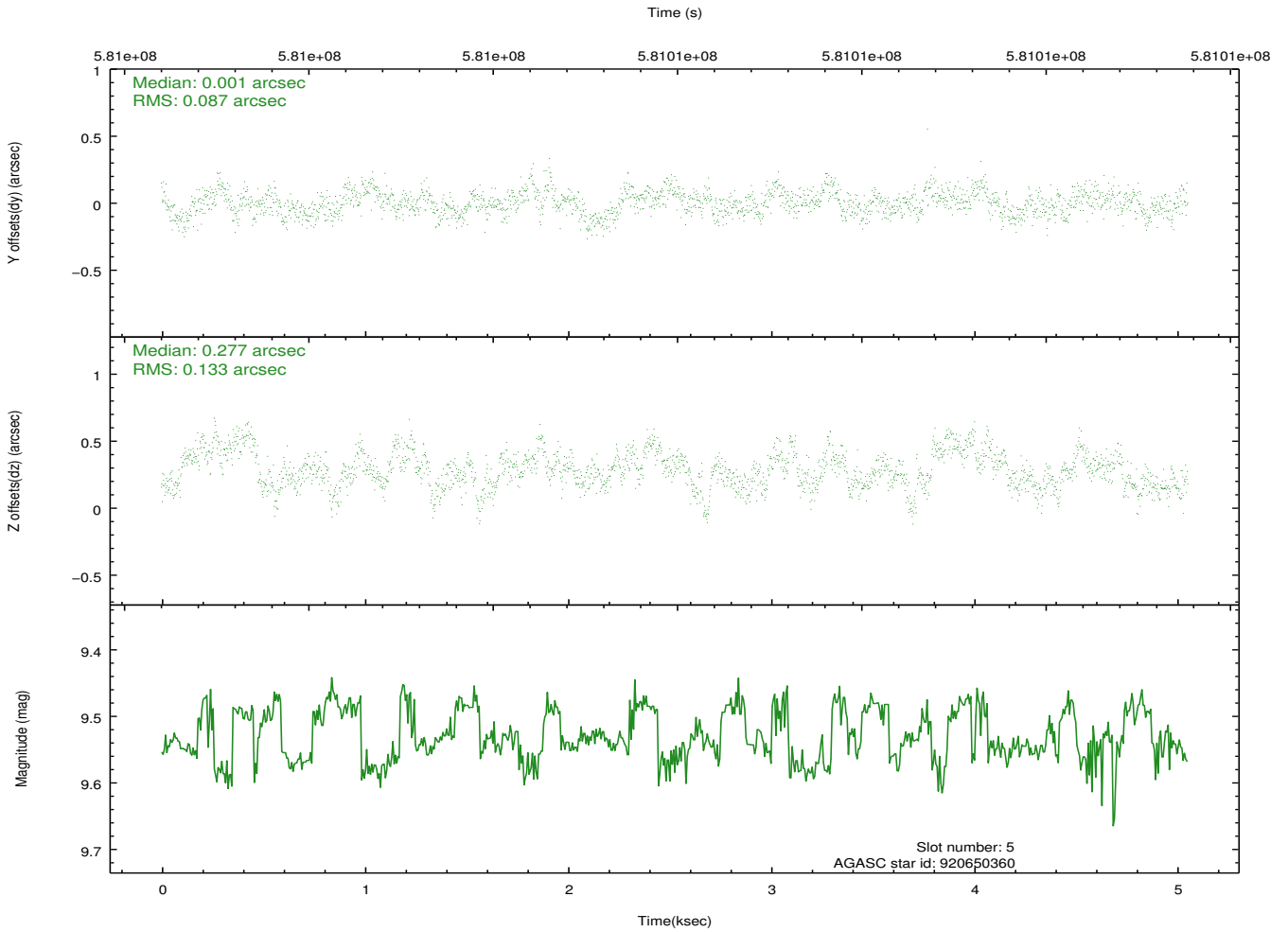
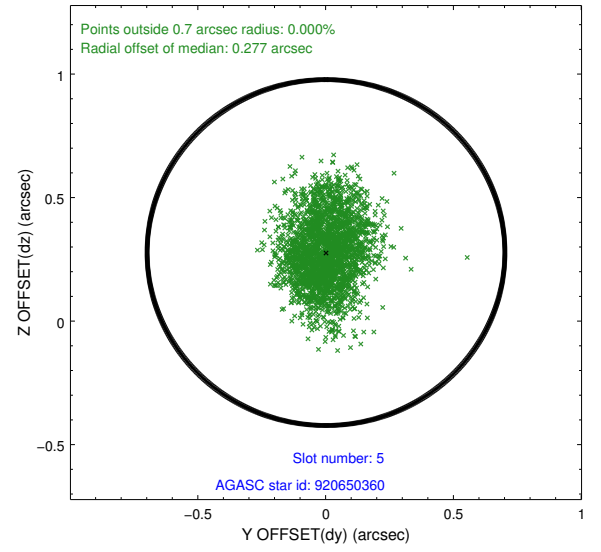
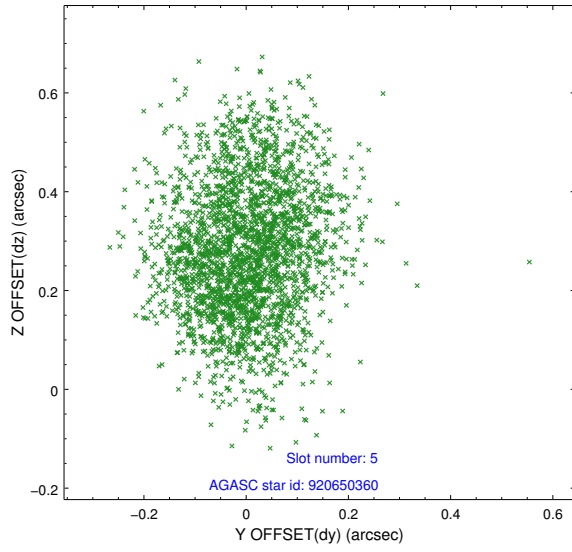
2.4.1 Slot 3



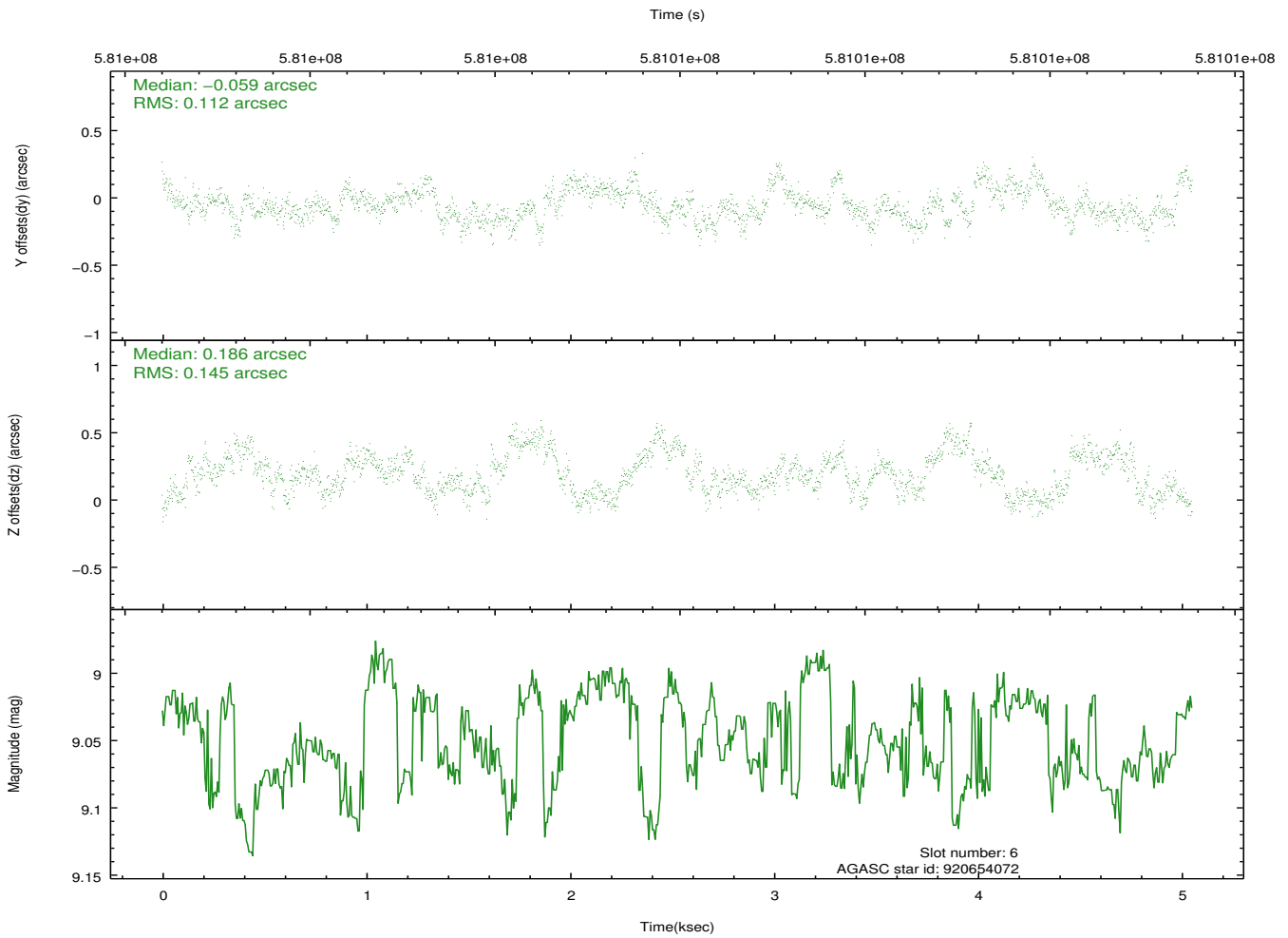
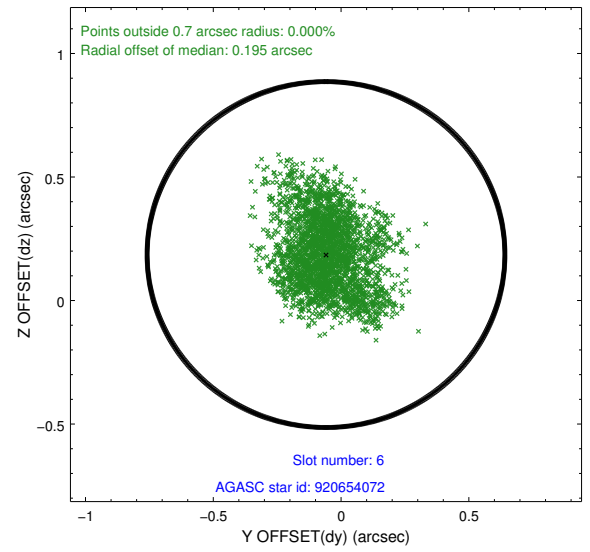
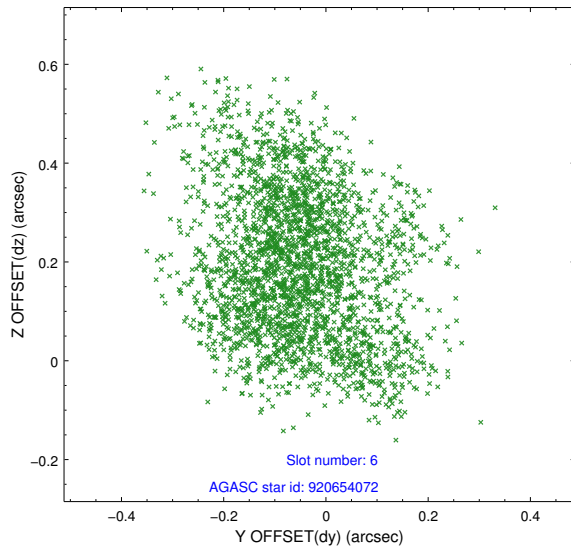
2.4.2 Slot 4



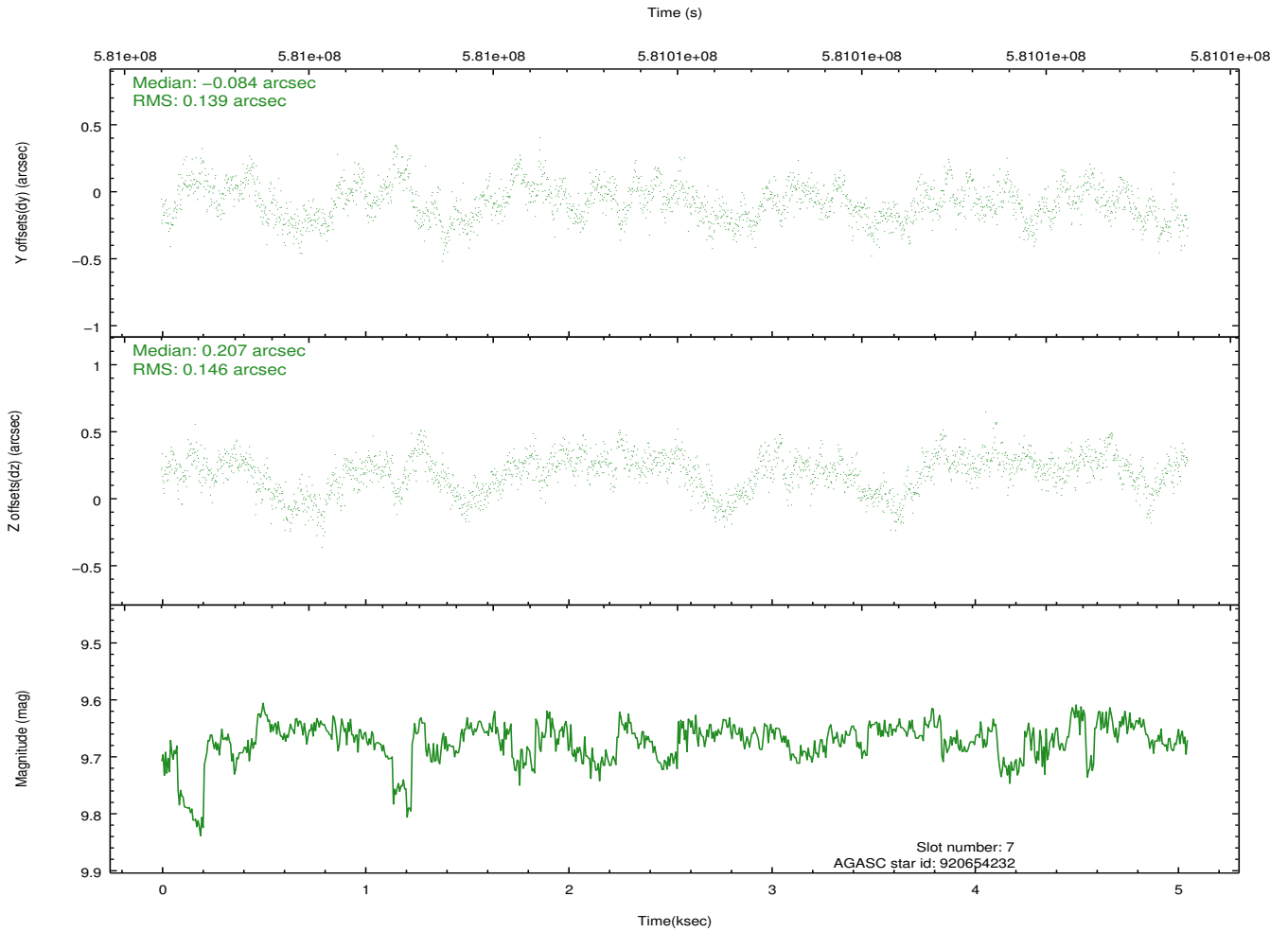
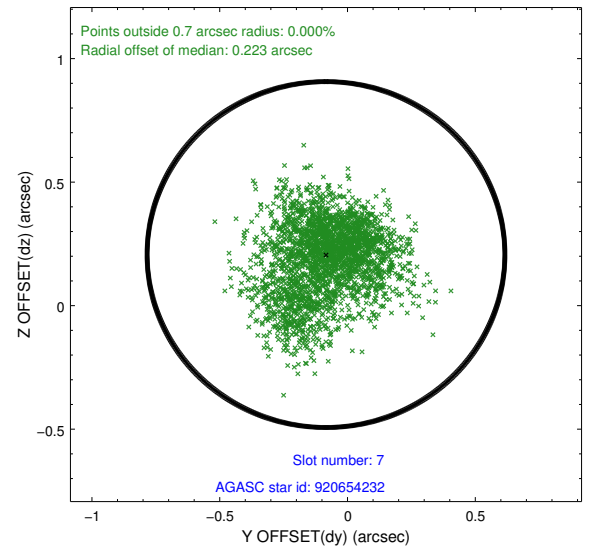
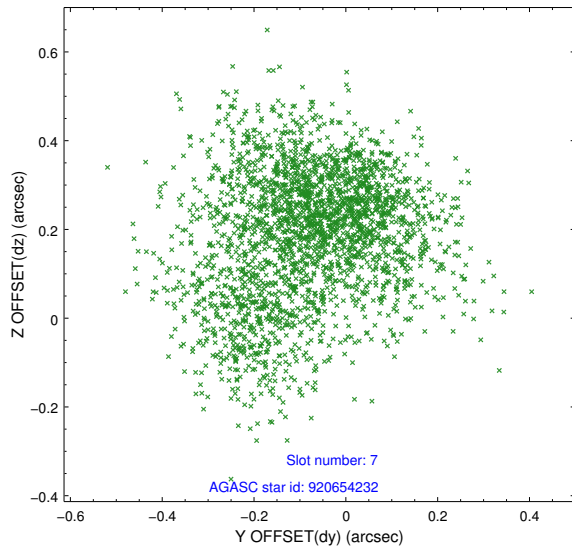
2.4.3 Slot 5



2.4.4 Slot 6

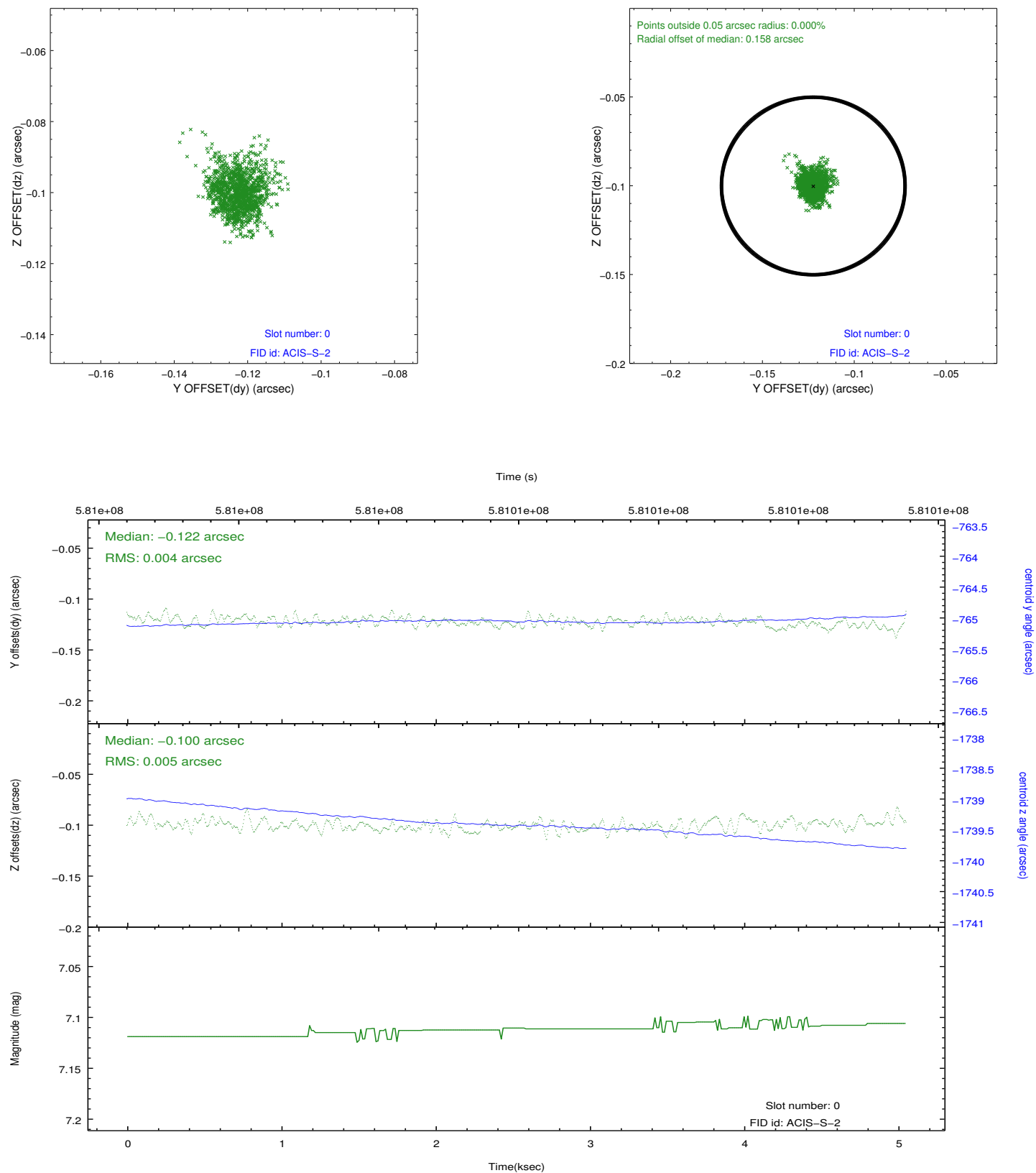


2.4.5 Slot 7

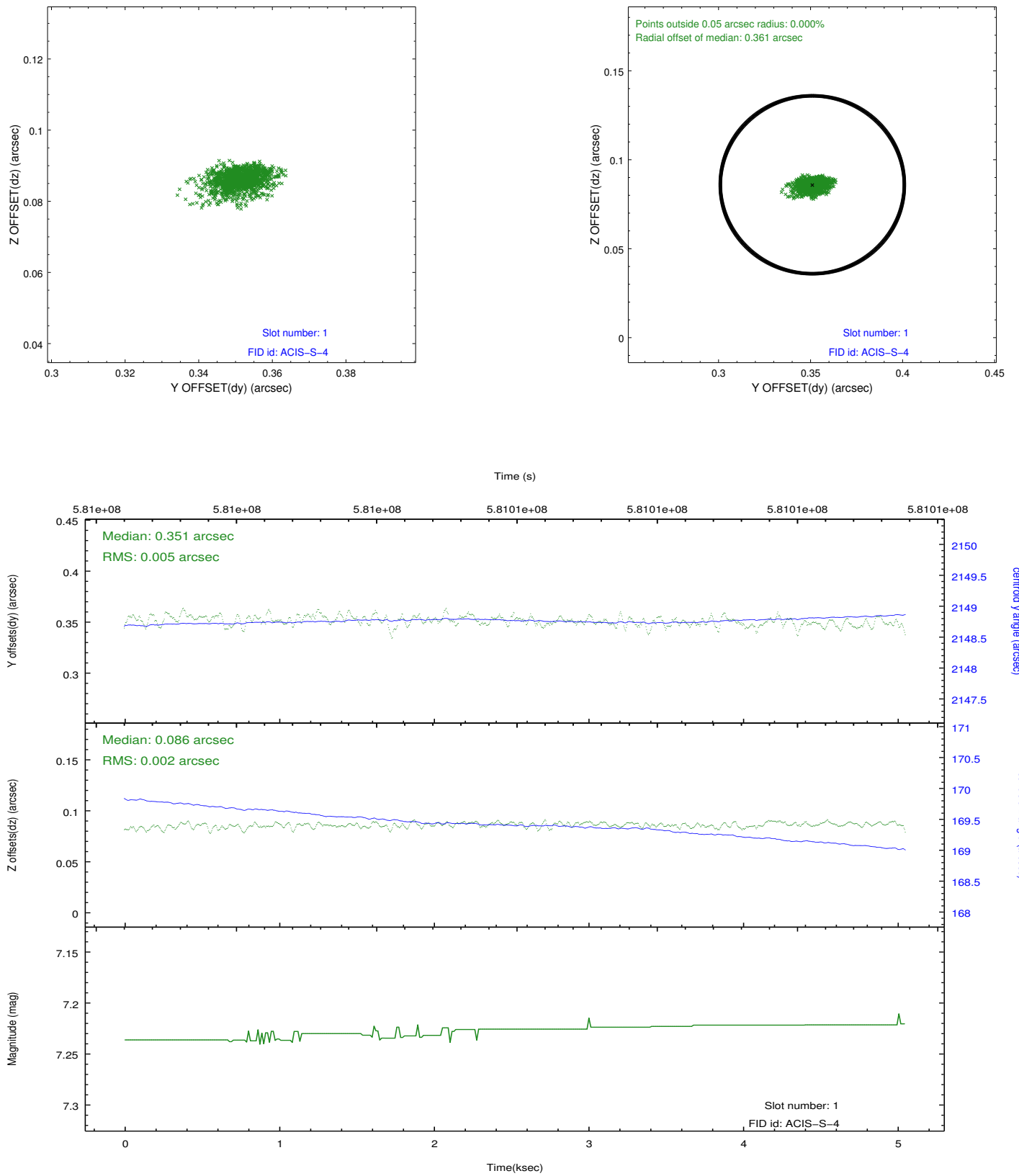


2.5 FID Slots

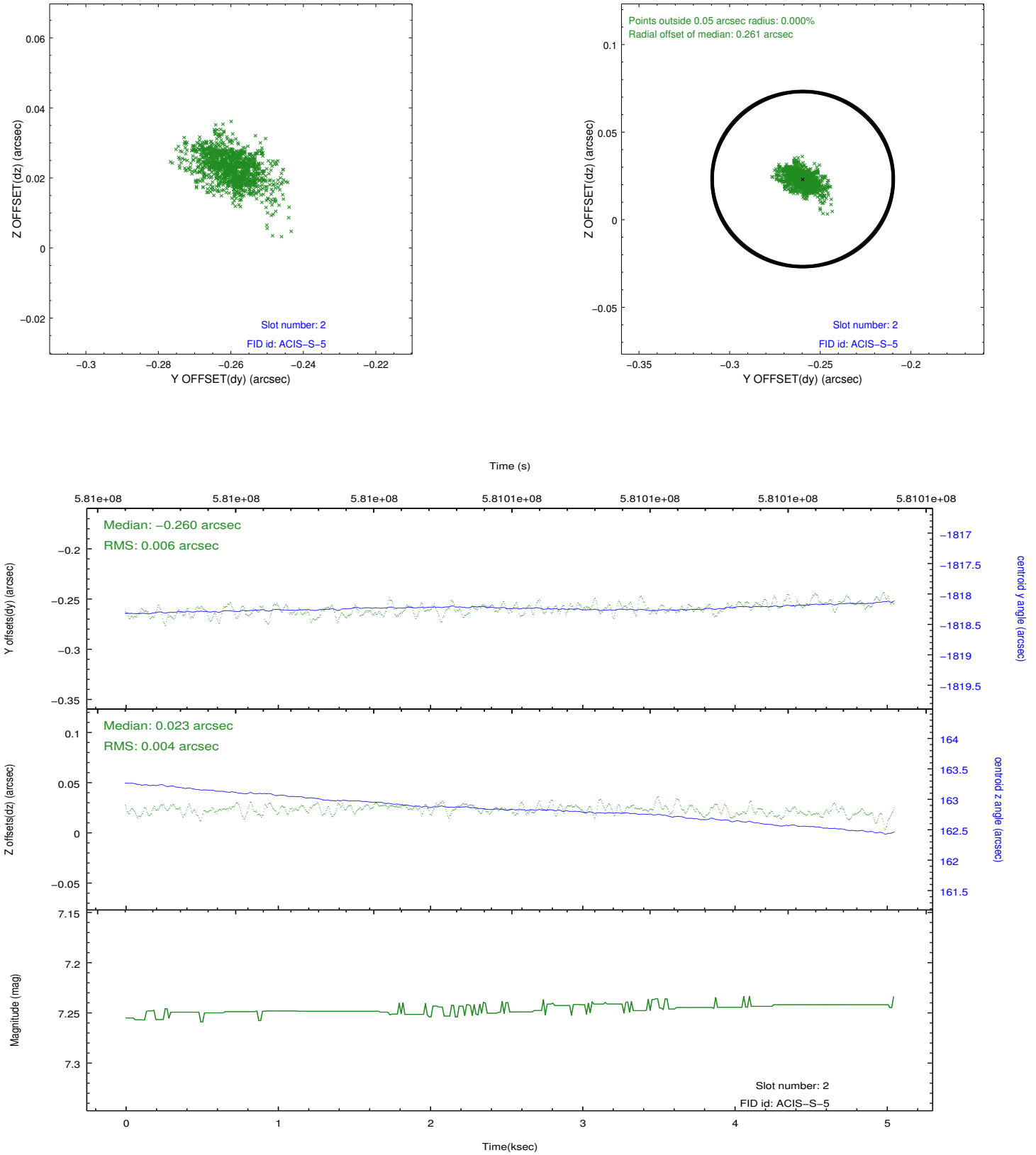
2.5.1 Slot 0



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)	2016.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6679377762079

A.2 Comments