

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19365 - L2 Version 1
Chandra X-Ray Center

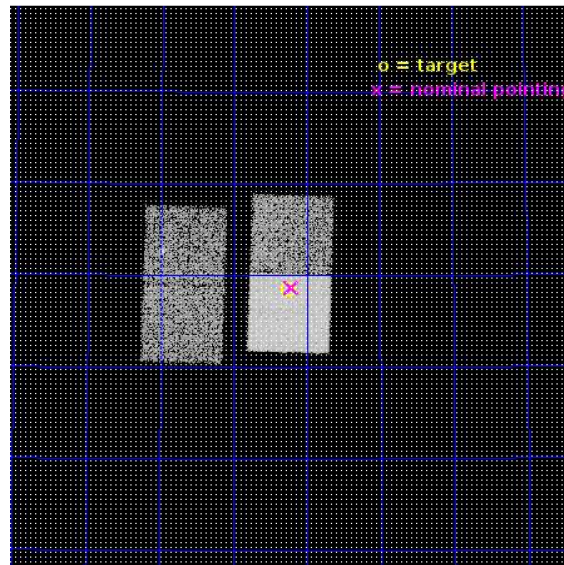
L2 Processing Date : Dec 8 2017

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1 Front

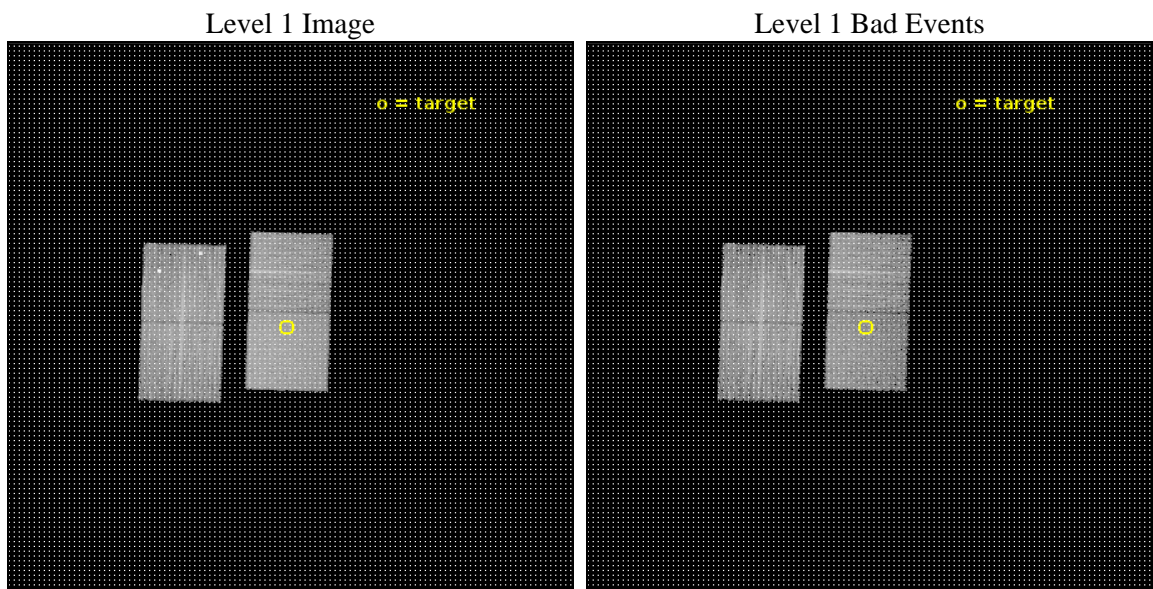
seq_num	601322	Sequence number
obs_id	19365	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 3043	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.062083	Observer's specified target RA [deg]
dec_targ	59.307083	Observer's specified target Dec [deg]
ra_nom	149.05309870345	Nominal RA [deg]
dec_nom	59.31102478409	Nominal Dec [deg]
roll_nom	91.875549824397	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10067.492261767	Sum of GTIs [s]
livetime	9935.9530637874	Livetime [s]
ontime2	10067.369141817	Sum of GTIs [s]
ontime3	10067.410181761	Sum of GTIs [s]
ontime6	10067.451221824	Sum of GTIs [s]
ontime7	10067.492261767	Sum of GTIs [s]
l2events	57993	Number of level 2 events



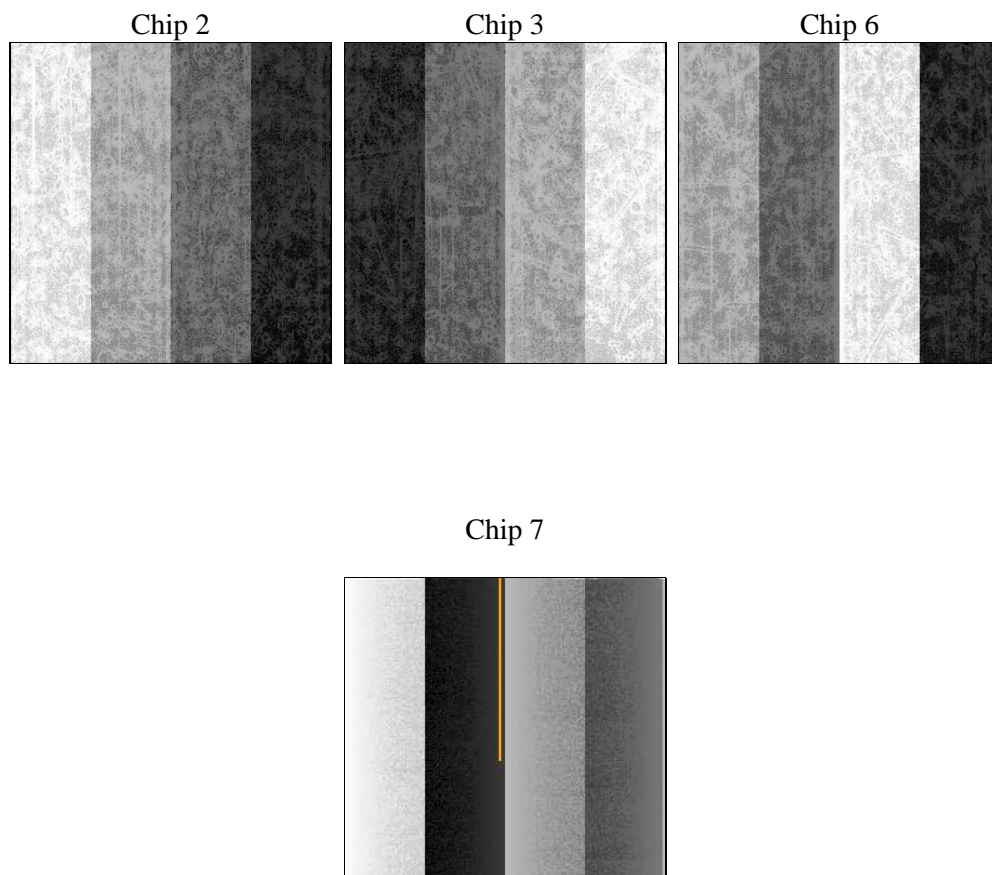
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	10067.492261767	Sum of GTIs [s]
caldsver	4.7.6	 	ontime2	10067.369141817	Sum of GTIs [s]
date	2017-12-09T04:25:49	Date and time of file creation	ontime3	10067.410181761	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10067.451221824	Sum of GTIs [s]
			ontime7	10067.492261767	Sum of GTIs [s]
			l1events	317619	Number of level 1 events

2.1.4 Events

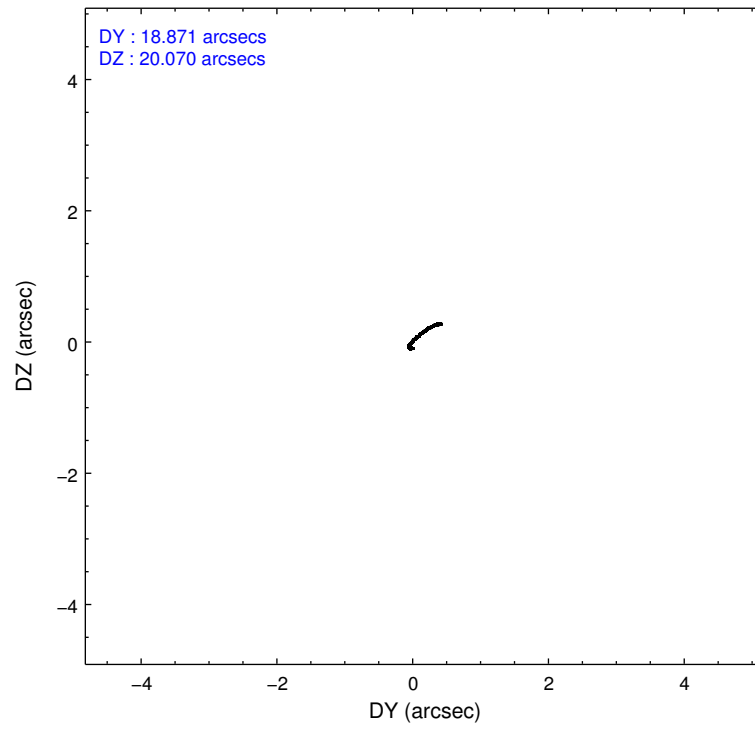
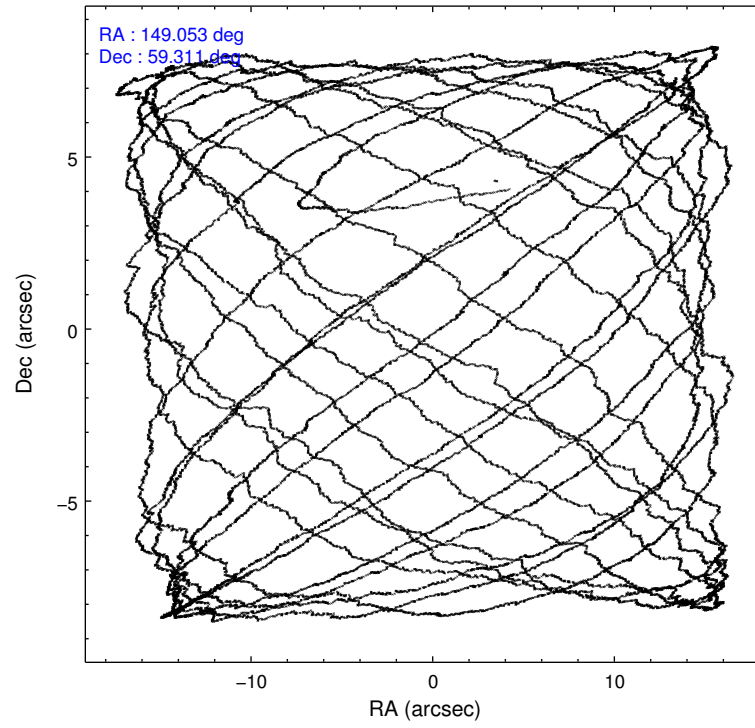
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	77135	73794	74494	92196
rejected events	65031	66615	66484	52718
rejected %	84%	90%	89%	57%

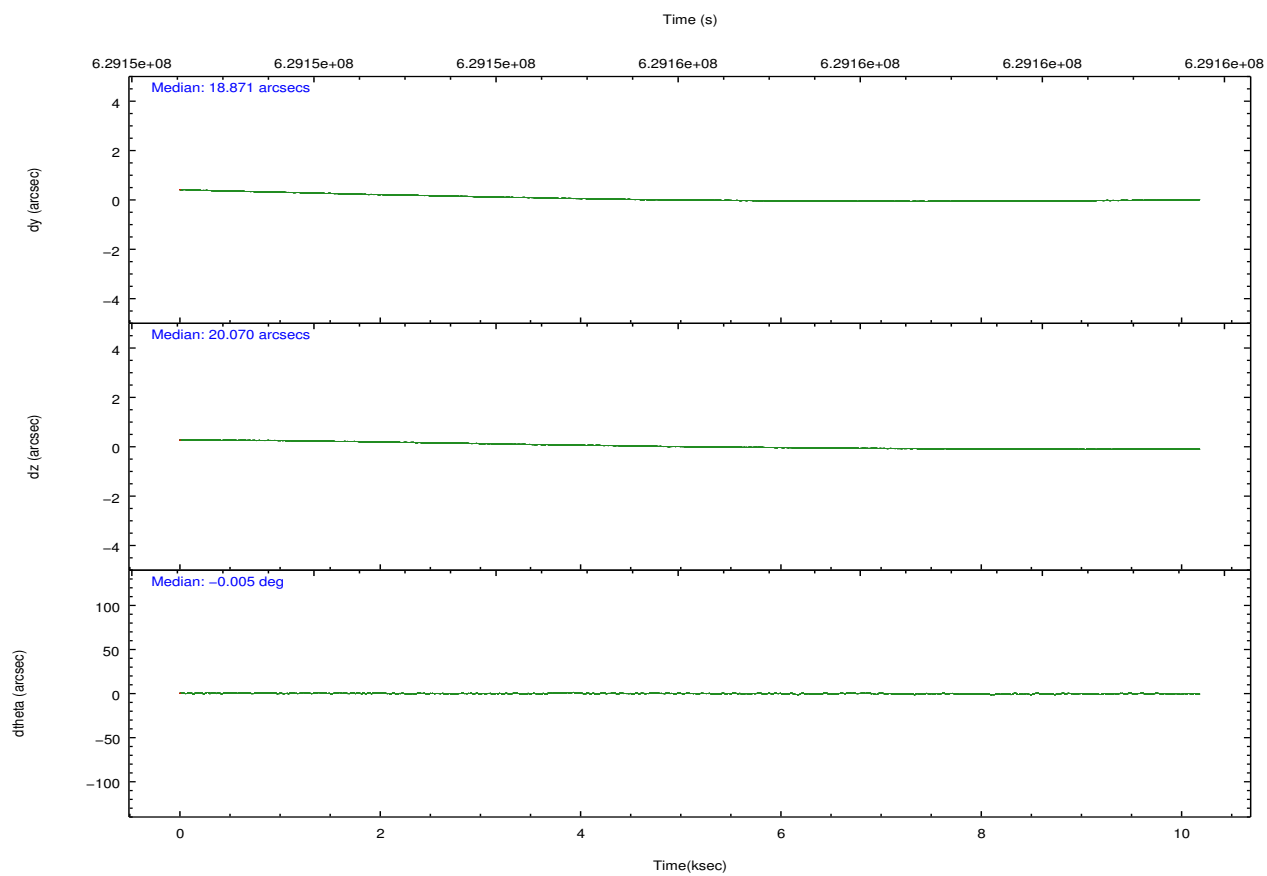
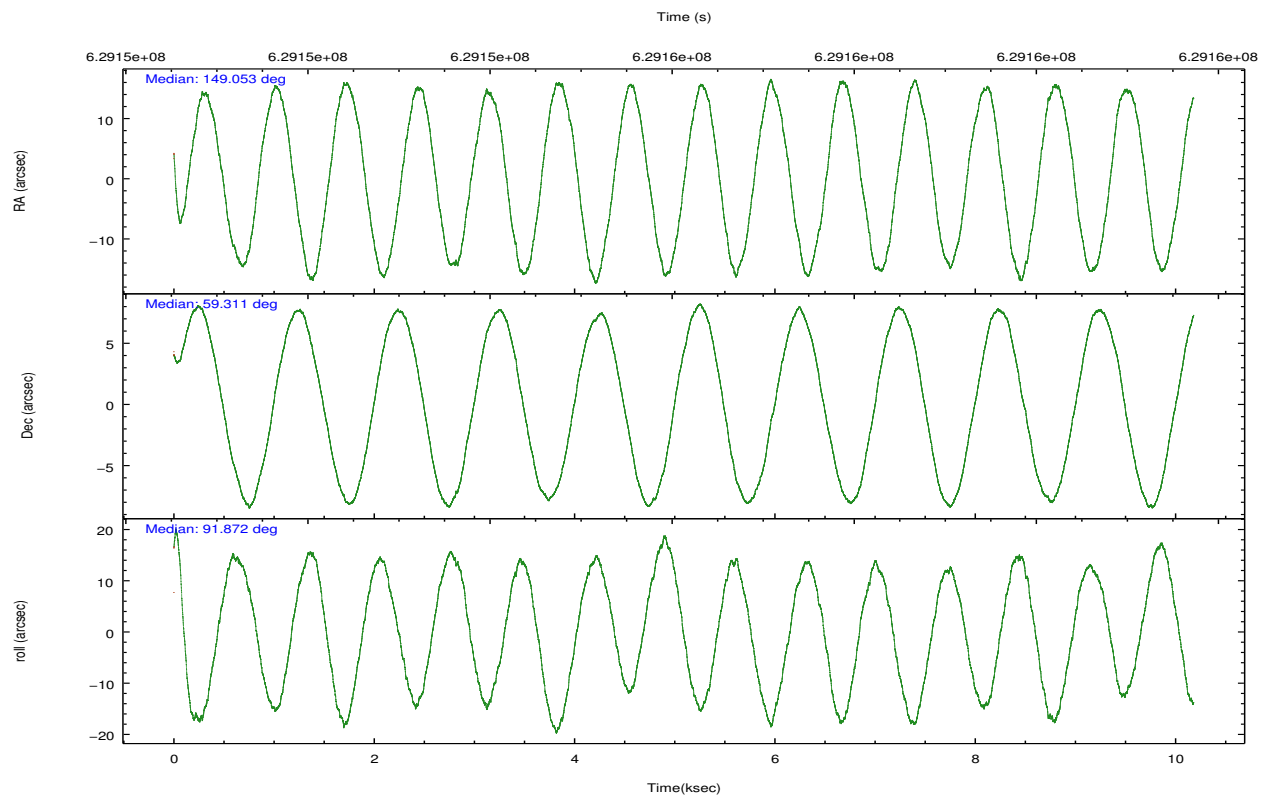
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	5763	2463	2283	3354
	7%	3%	3%	3%
grade 1 events	54	26	31	132
	0%	0%	0%	0%
grade 2 events	3440	1568	2228	8044
	4%	2%	2%	8%
grade 3 events	733	729	636	3130
	0%	0%	0%	3%
grade 4 events	691	789	671	3019
	0%	1%	0%	3%
grade 5 events	2440	3198	3010	8861
	3%	4%	4%	9%
grade 6 events	1485	1634	2196	21957
	1%	2%	2%	23%
grade 7 events	62529	63387	63439	43699
	81%	85%	85%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	149.082088	149.0530987034536	Subarray requested	NONE	NONE
[deg] Pointing Dec	59.287884	59.31102478408994	Alternating exposures requested	N	N
[deg] Pointing Roll	91.693956	91.87554982439684	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	629151197.184000	629150103.98438			
Observation start date	2017-12-08T20:12:08	2017-12-08T19:55:03			
[s] Observation end time (MET)	629161197.184000	629161961.69758			
Observation end date	2017-12-08T22:58:48	2017-12-08T23:12:41			
Read mode	TIMED	TIMED			

2.3 Aspect



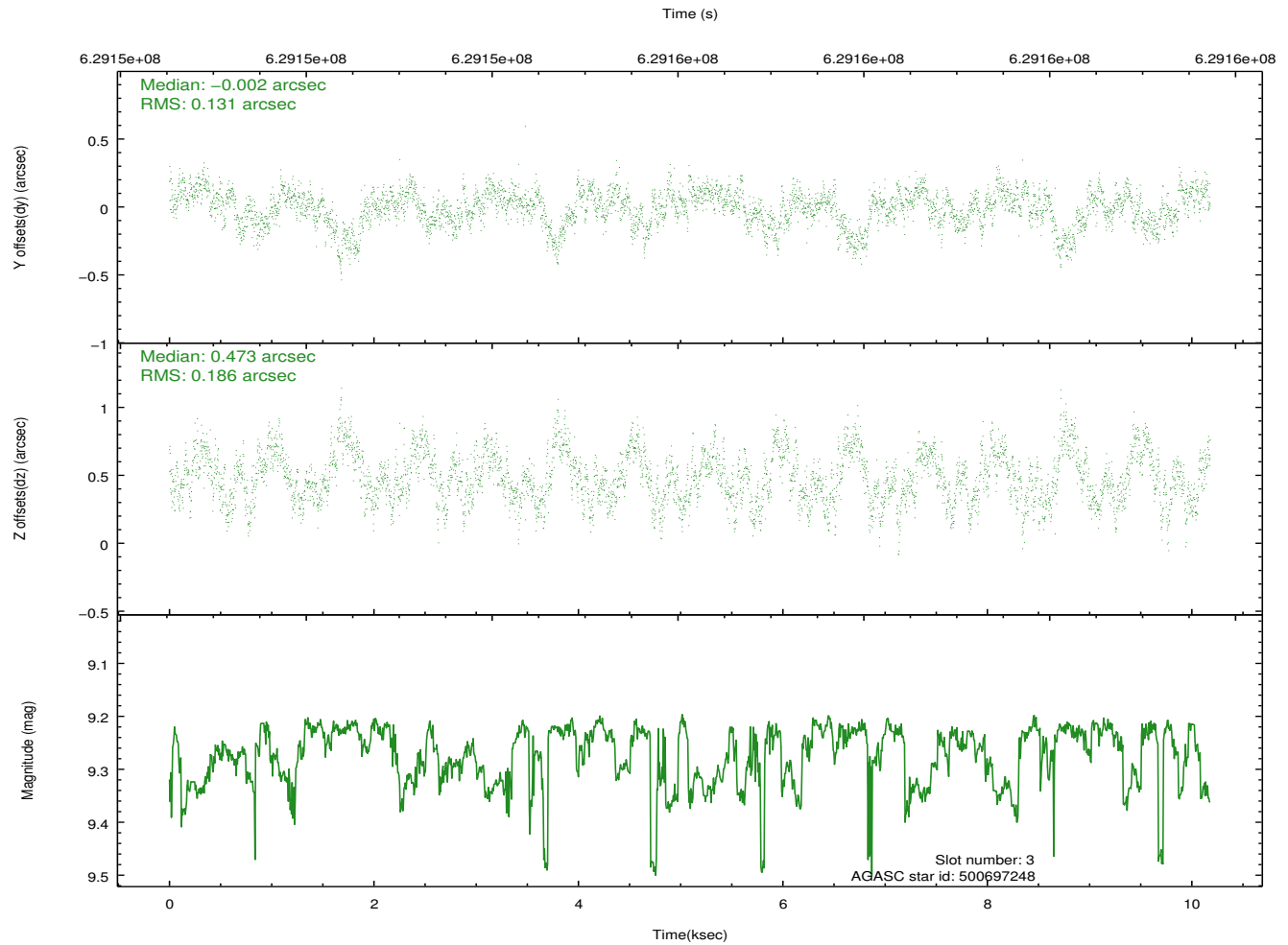
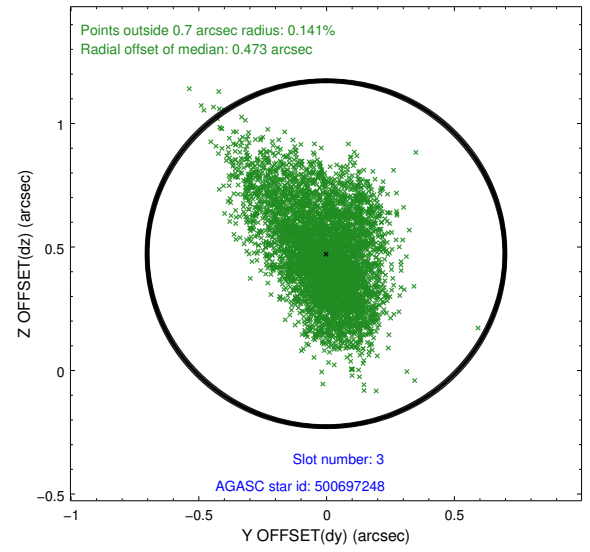
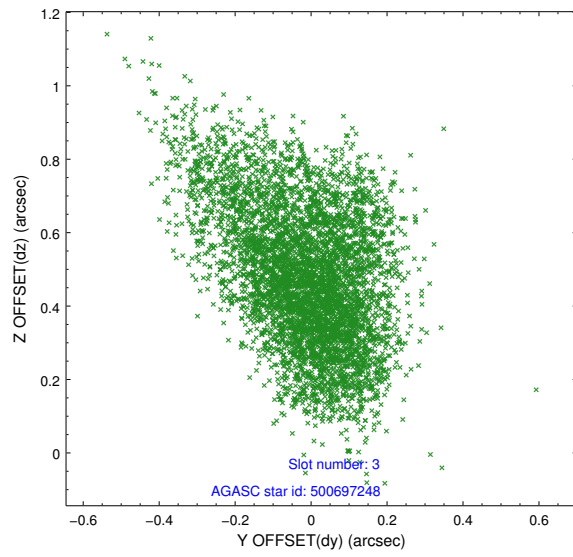


Slot Statistics

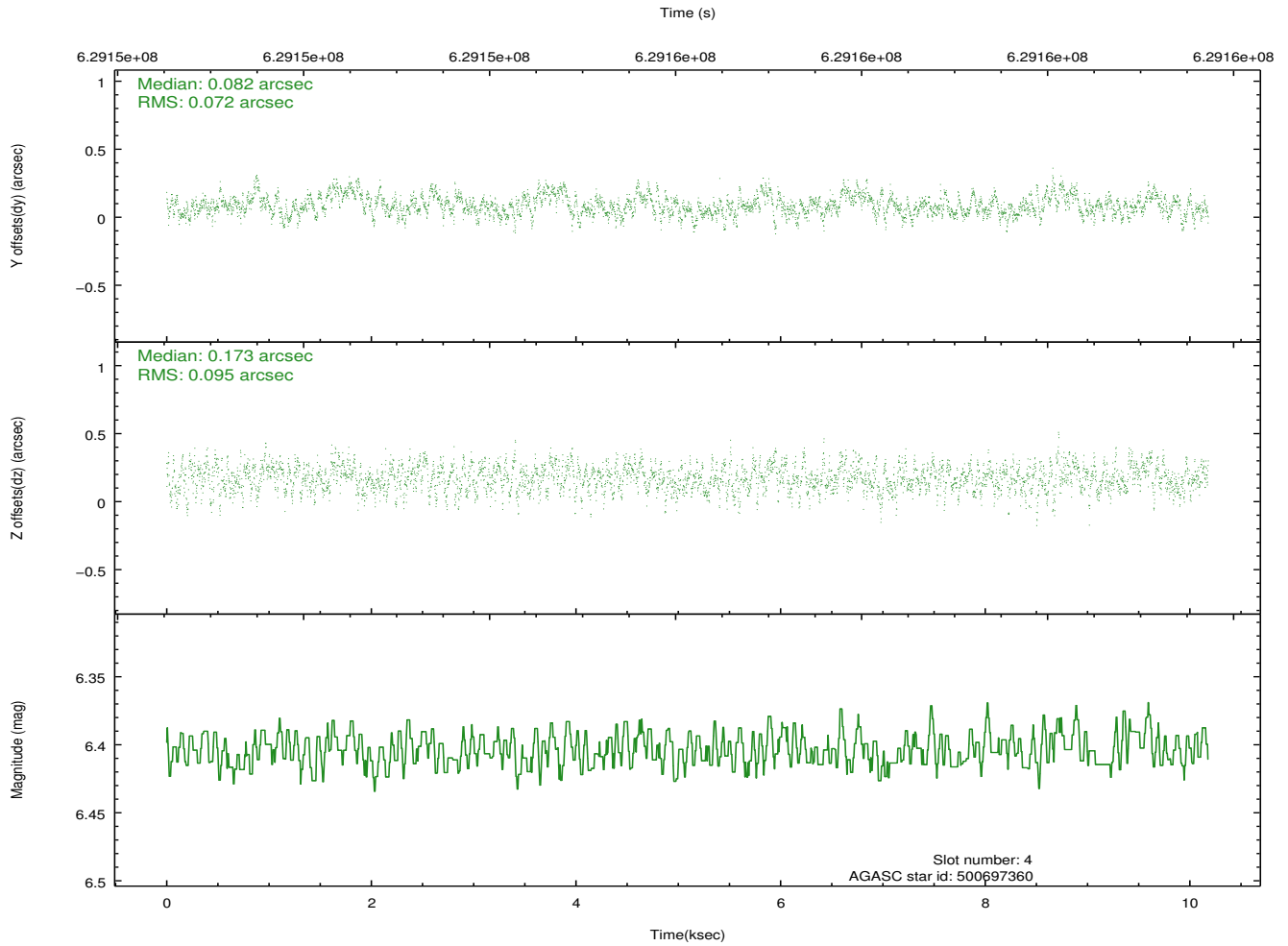
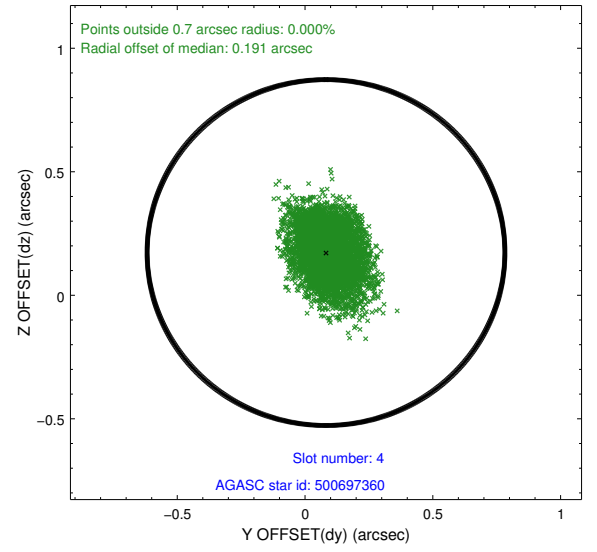
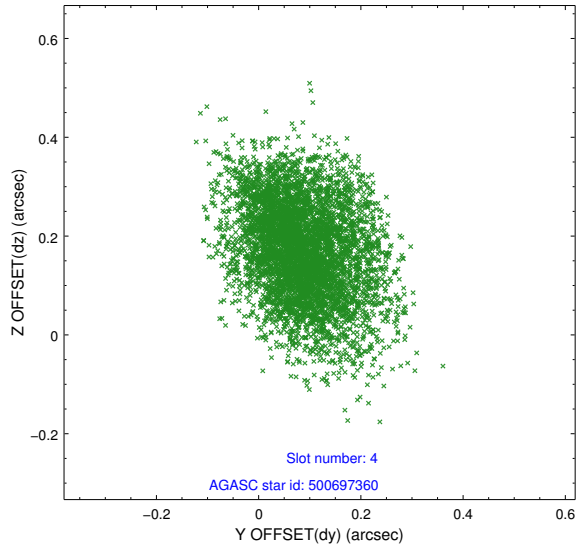
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.16	2484	-0.259	-0.152	0.014	0.023	0.000000	0.000000	-772.25	-1741.69
1	FID		ACIS-S-4	7.27	2484	0.613	0.167	0.011	0.019	0.000000	0.000000	2141.63	166.62
2	FID		ACIS-S-5	7.26	2483	-0.383	-0.005	0.011	0.017	0.000000	0.000000	-1824.58	160.64
3	GUIDE	used	500697248	9.26	4961	-0.002	0.473	0.237	0.400	150.205215	59.660702	1298.45	-2080.40
4	GUIDE	used	500697360	6.40	4967	0.082	0.173	0.129	0.206	149.642352	58.951859	-1235.82	-1003.88
5	GUIDE	used	500703584	7.67	4966	0.422	0.159	0.132	0.219	149.780476	58.756604	-1943.18	-1246.91
6	GUIDE	used	500706160	9.57	4962	0.176	-0.165	0.227	0.413	148.411247	58.686275	-2122.52	1317.40
7	GUIDE	used	500700896	6.44	4966	-0.682	-0.622	0.131	0.214	148.573306	59.920365	2305.22	849.87

2.4 Star Slots

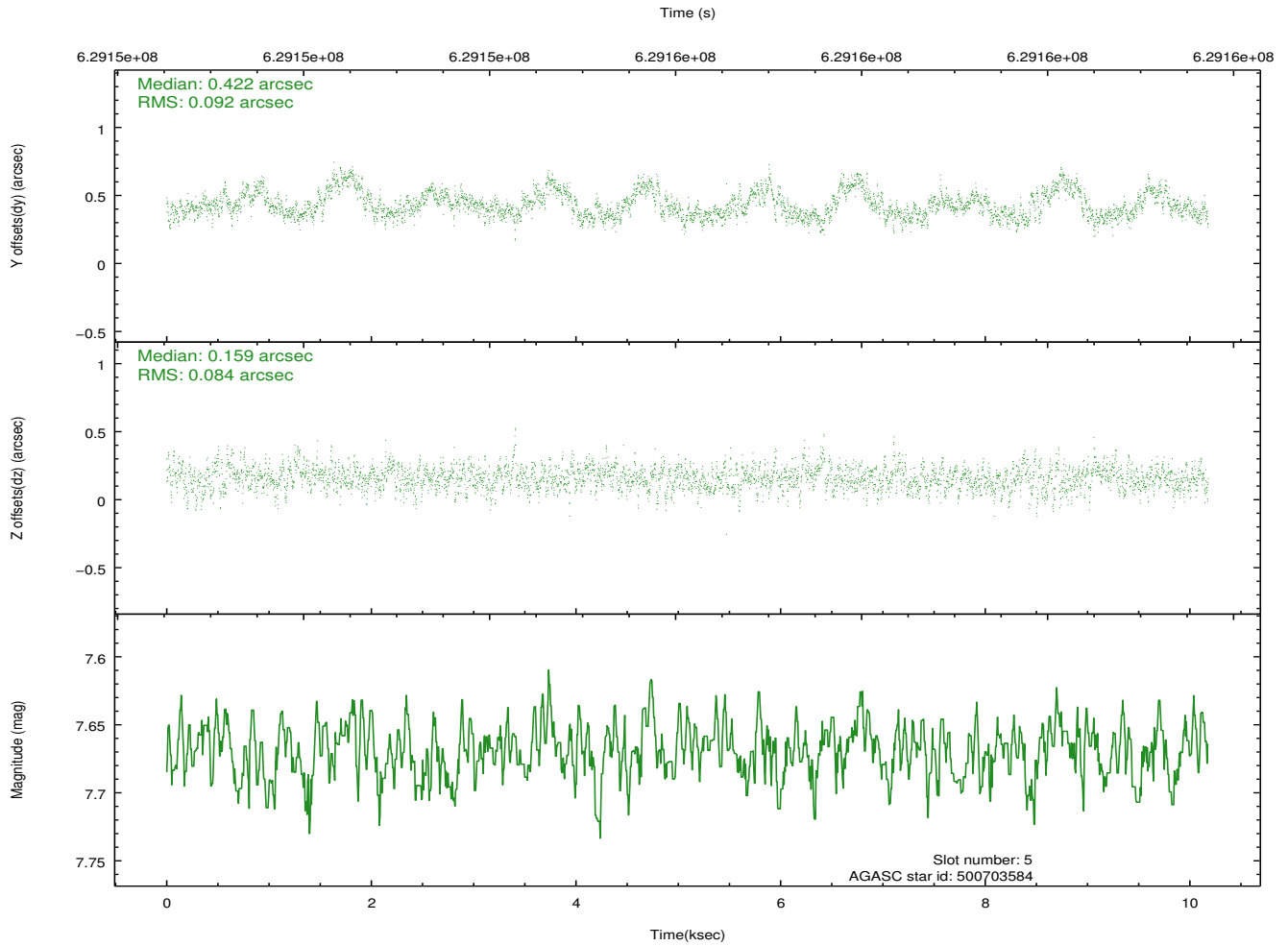
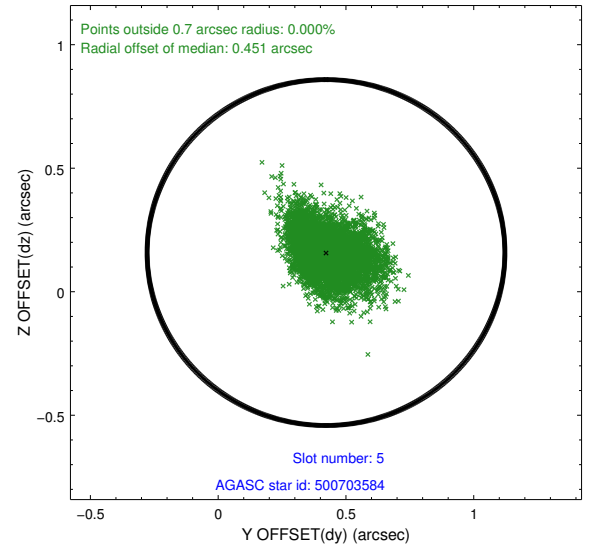
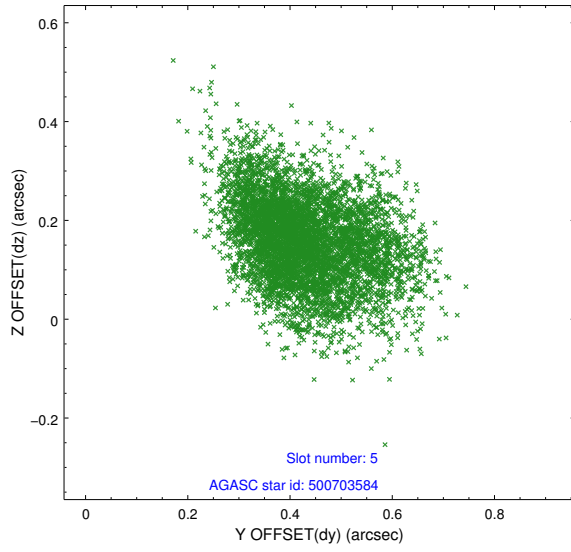
2.4.1 Slot 3



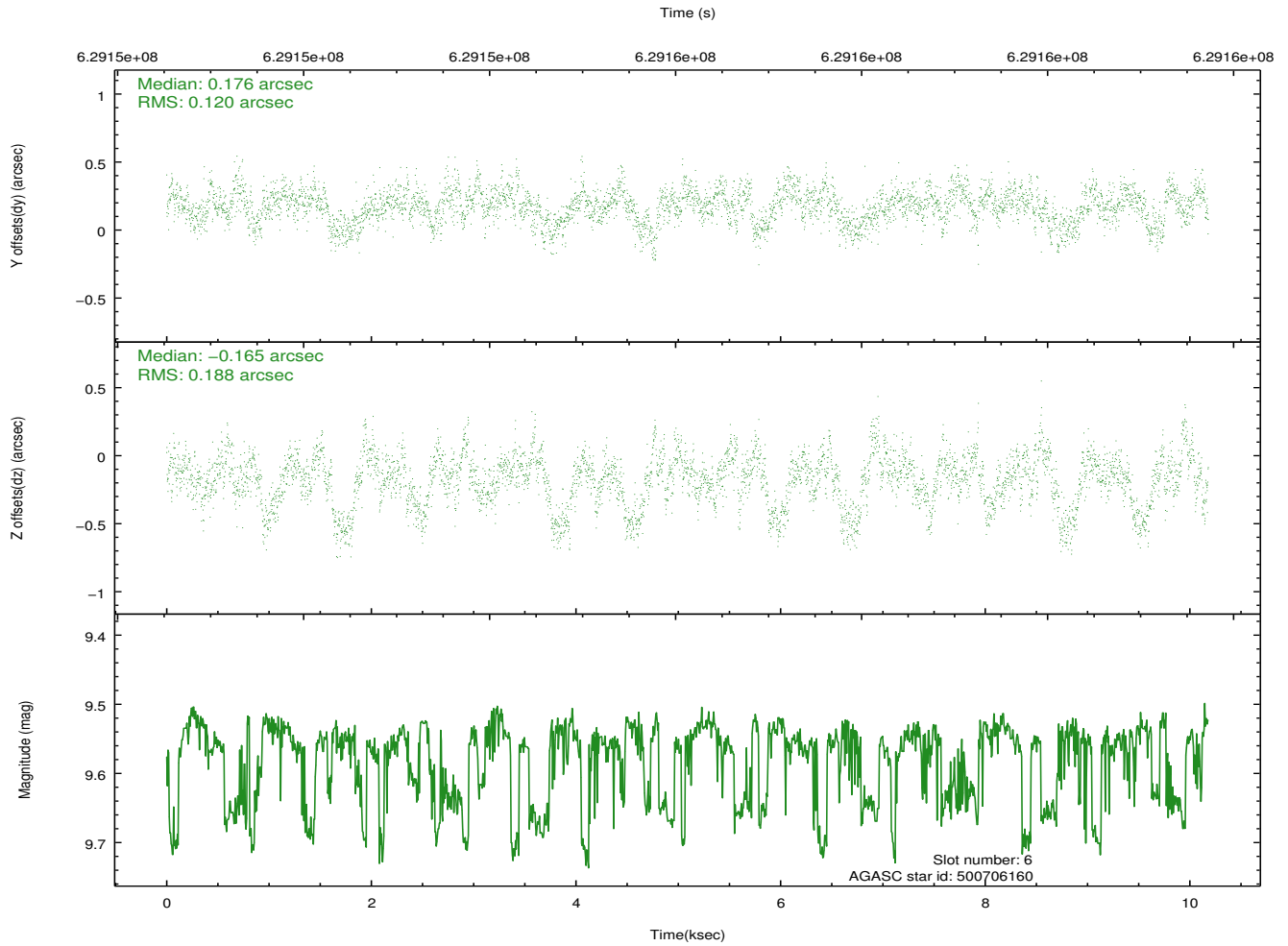
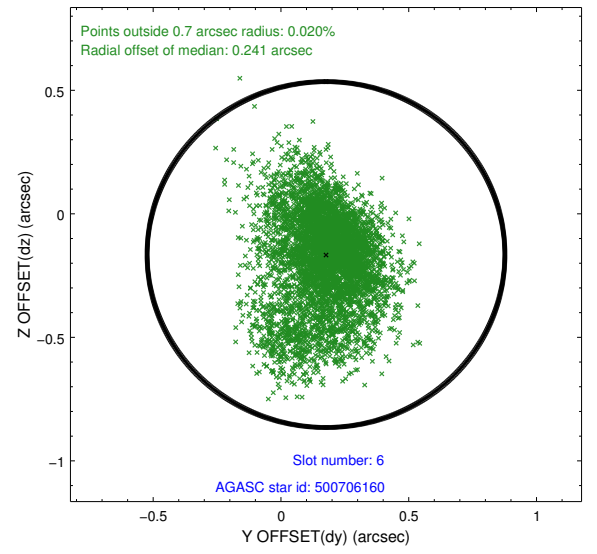
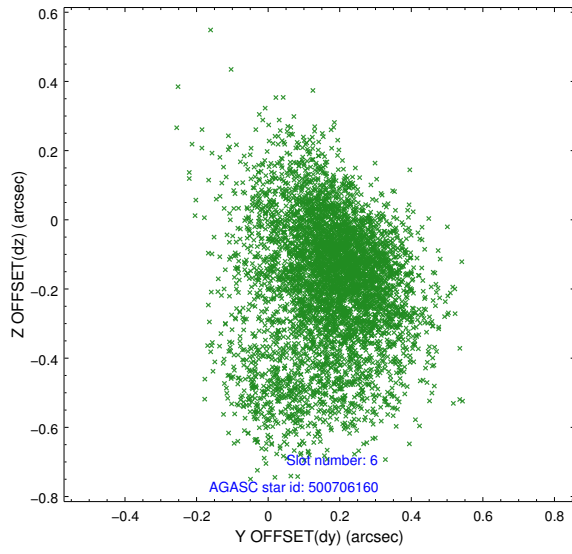
2.4.2 Slot 4



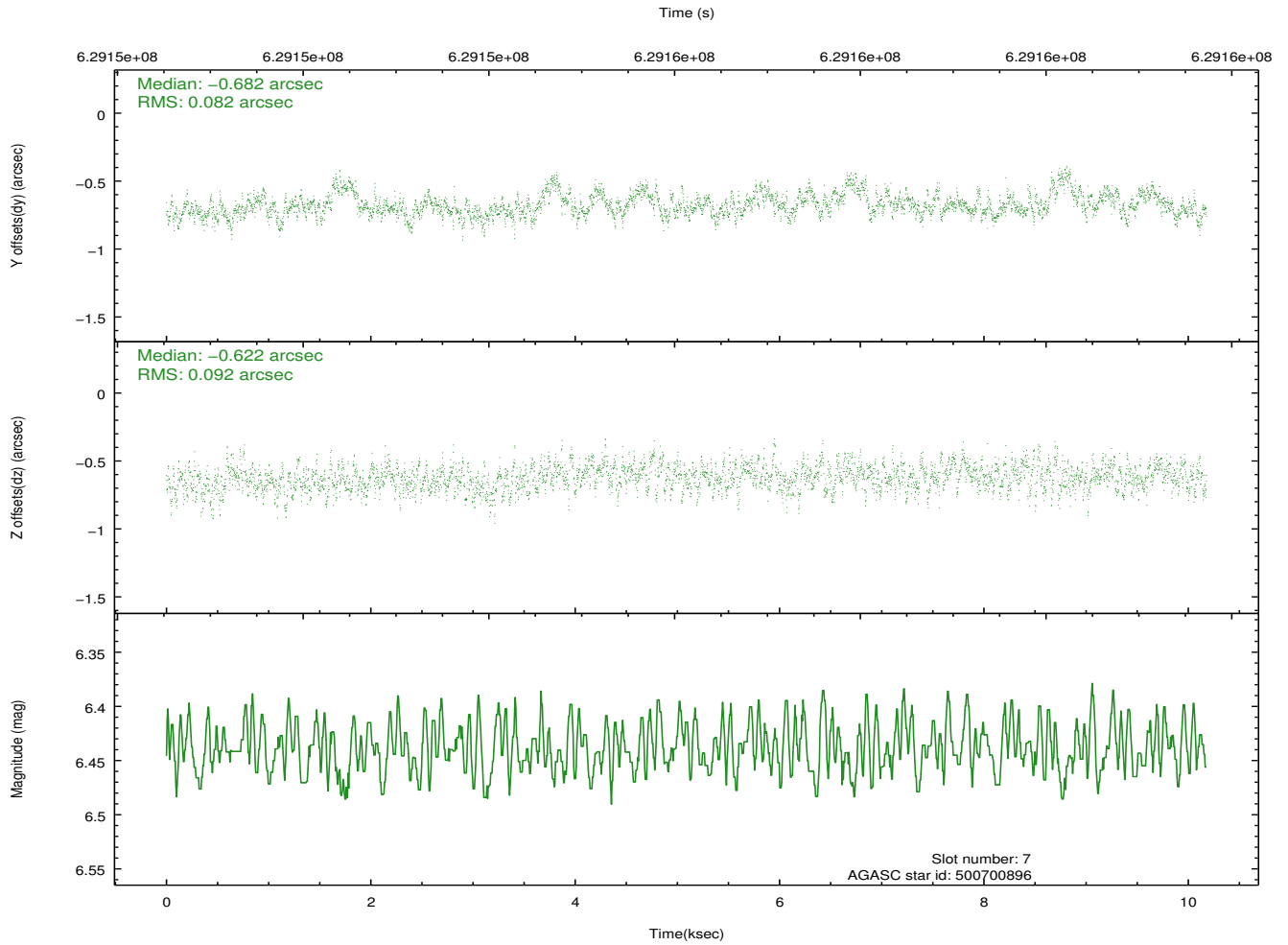
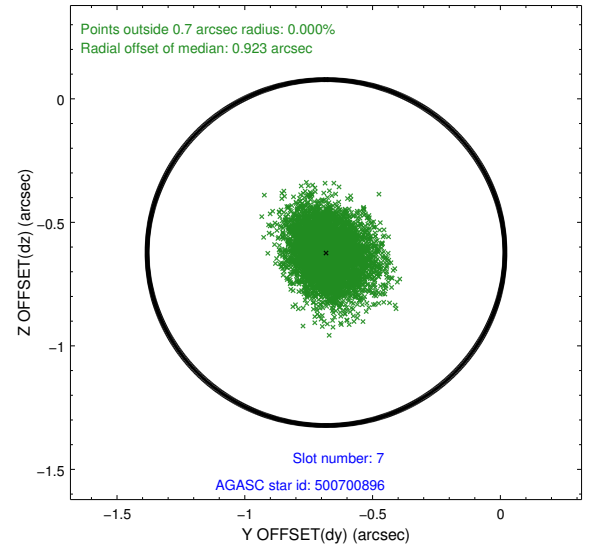
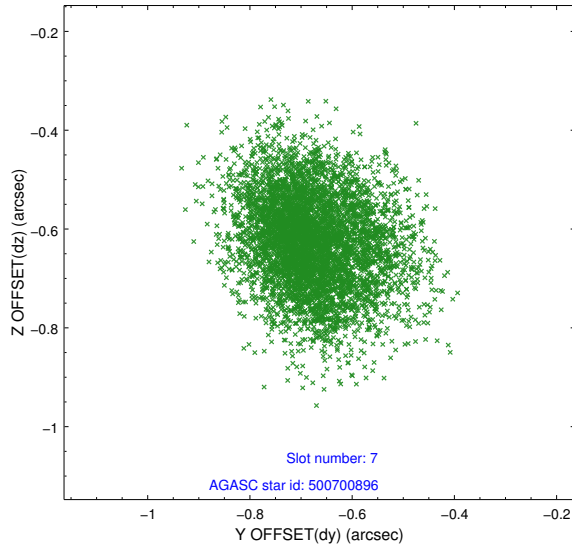
2.4.3 Slot 5



2.4.4 Slot 6

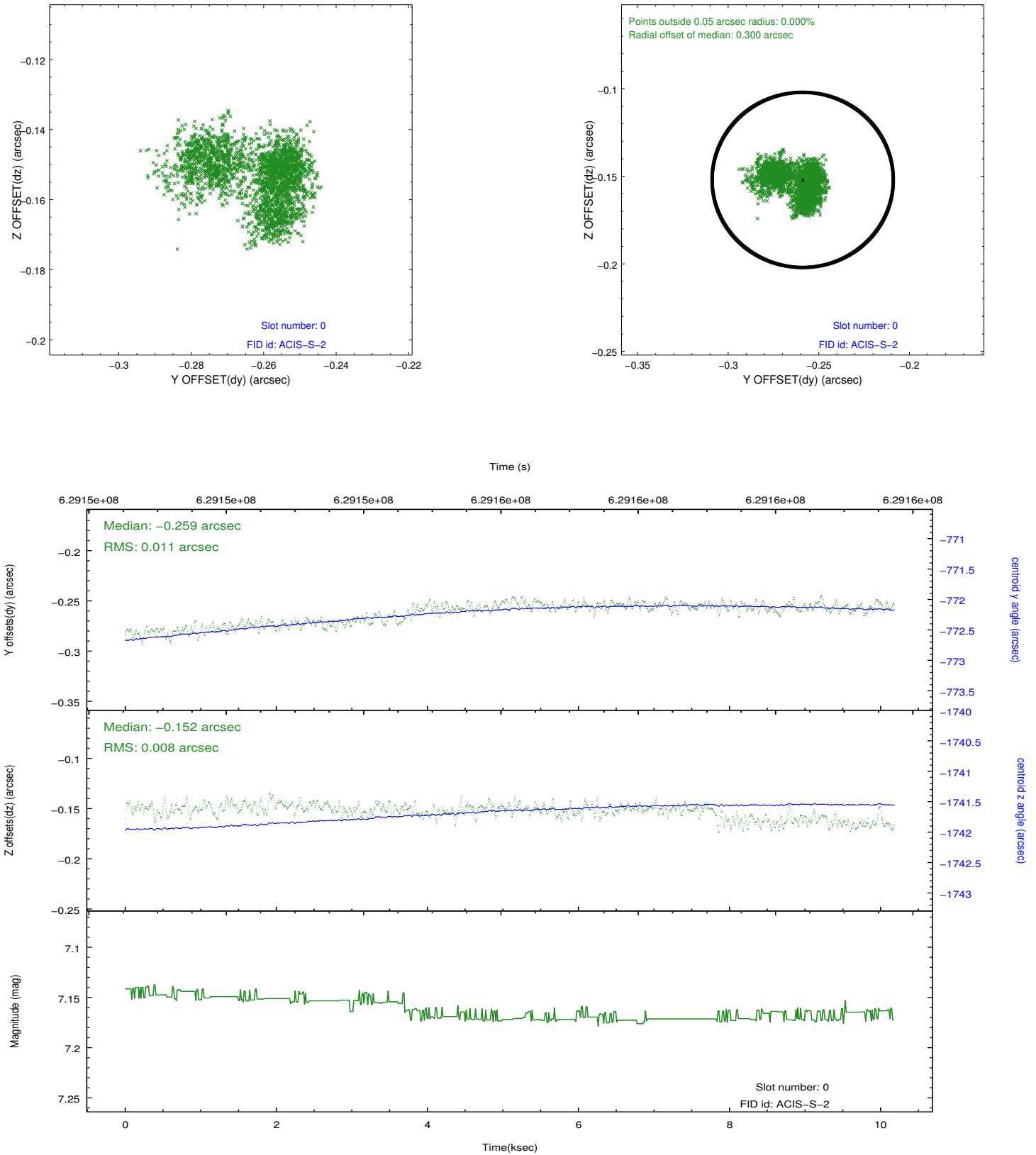


2.4.5 Slot 7

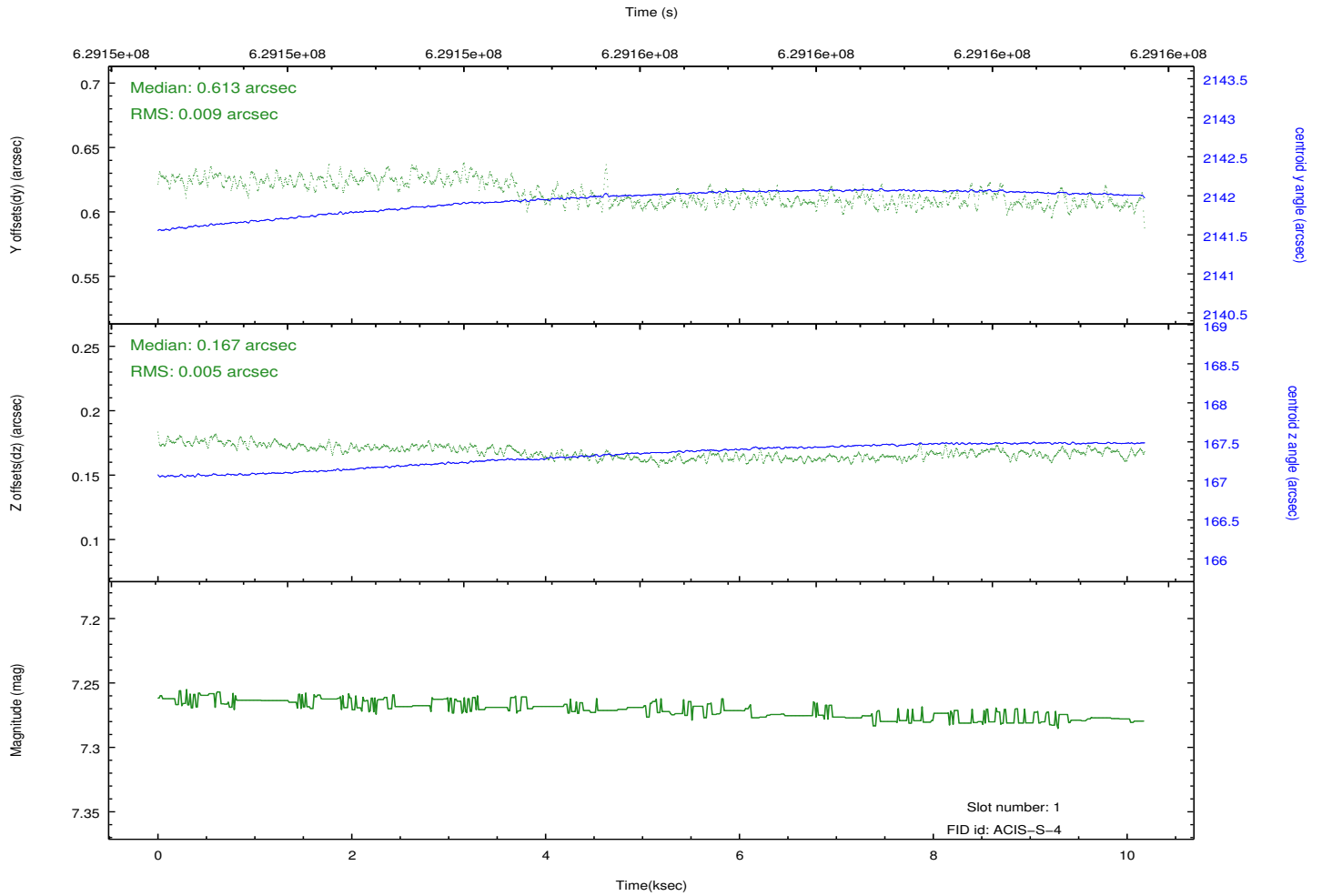
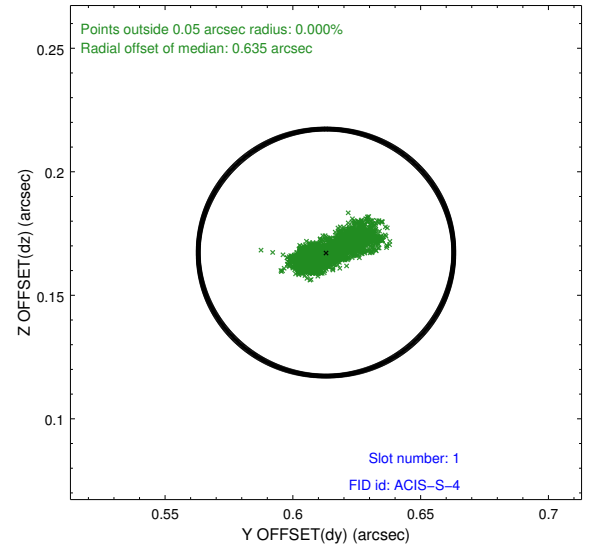
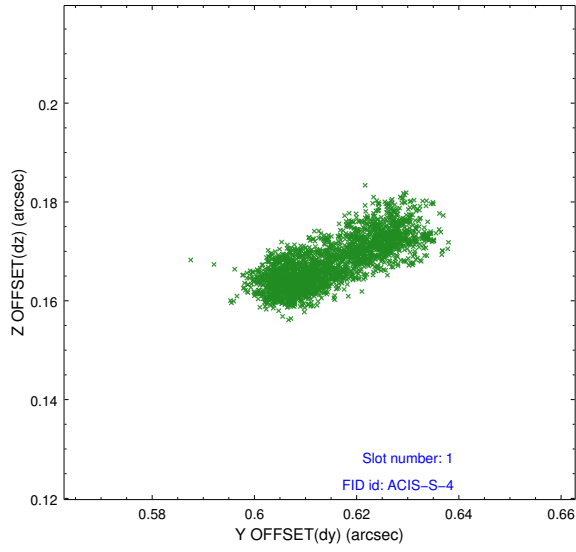


2.5 FID Slots

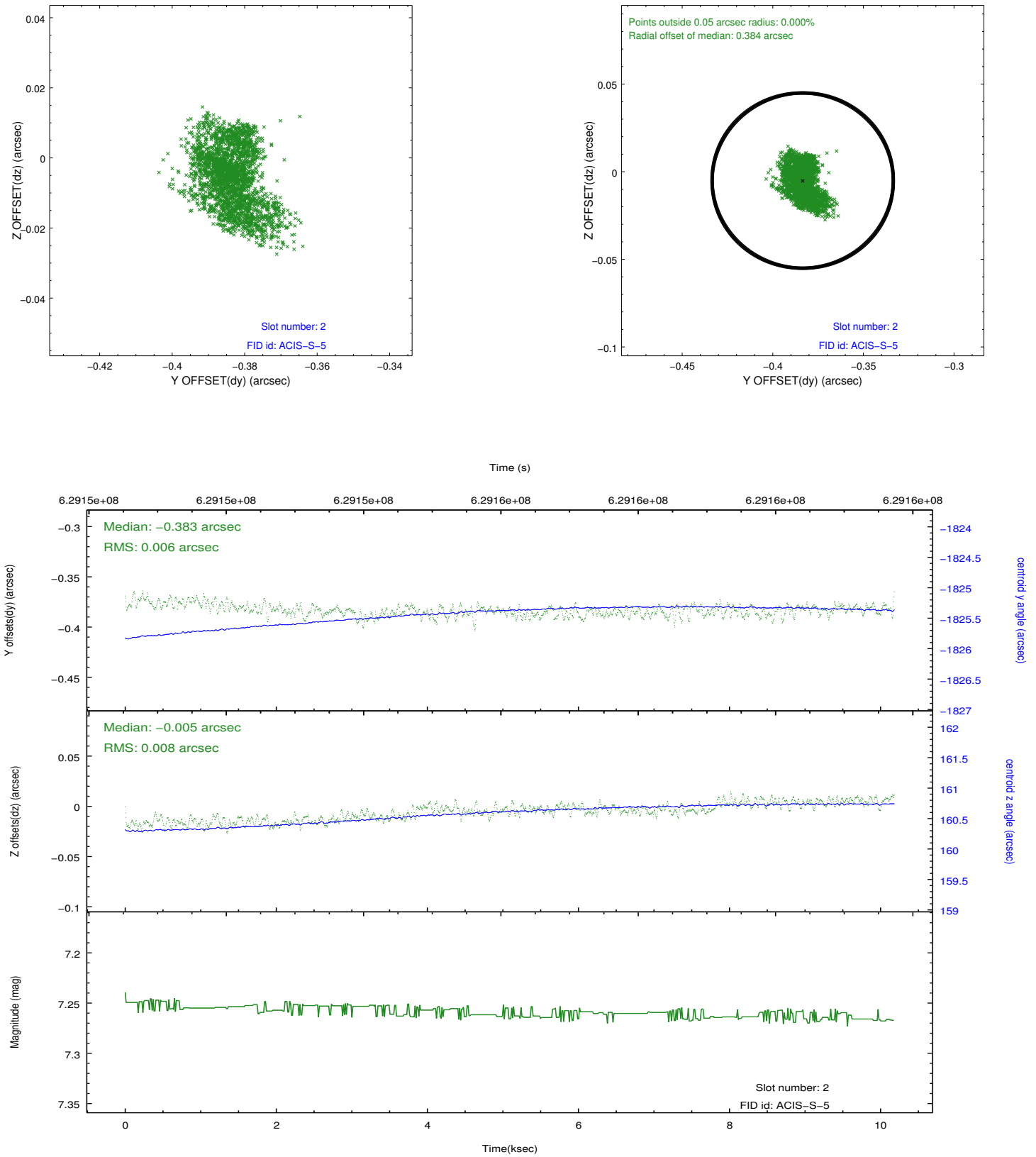
2.5.1 Slot 0



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)	2017.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.067492261767

A.2 Comments