

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22062 - L2 Version 1
Chandra X-Ray Center

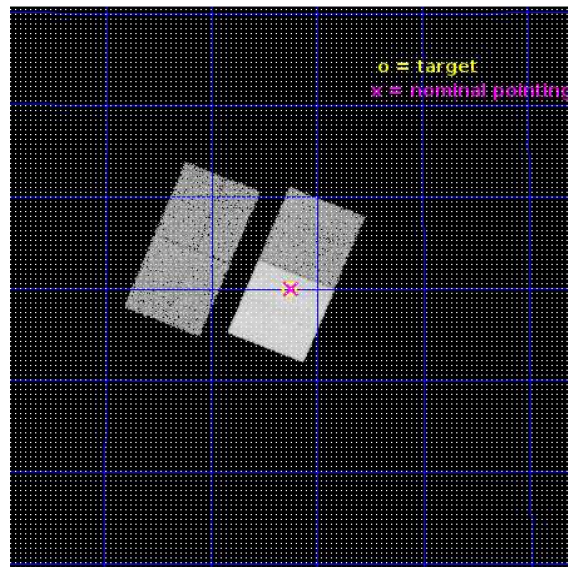
L2 Processing Date : Jan 28 2019

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1 Front

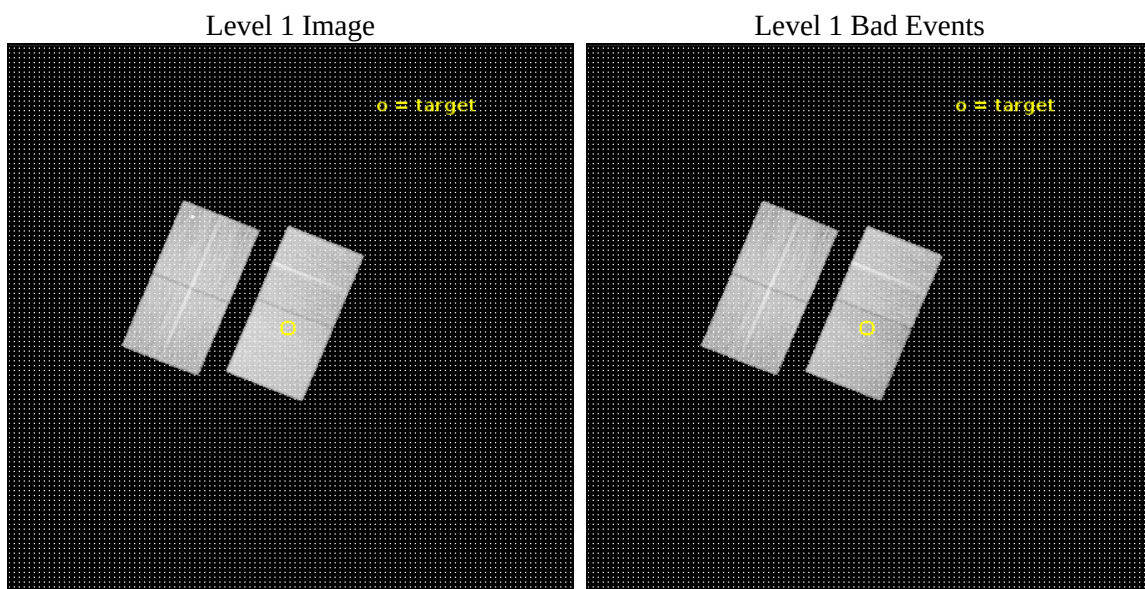
seq_num	601430	Sequence number
obs_id	22062	Observation id
title	The Inner Mass Profile of the Compact Elliptical Galaxy PGC 032873	
observer	David Buote	Principal investigator
object	PGC 032873	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.066667	Observer's specified target RA [deg]
dec_targ	42.333056	Observer's specified target Dec [deg]
ra_nom	164.06091829276	Nominal RA [deg]
dec_nom	42.333742962516	Nominal Dec [deg]
roll_nom	112.16051864036	Nominal Roll [deg]
revision	1	Processing version of data
ontime	22067.459762454	Sum of GTIs [s]
livetime	21779.13215483	Livetime [s]
ontime2	22064.195562363	Sum of GTIs [s]
ontime3	22067.377682447	Sum of GTIs [s]
ontime6	22067.41872251	Sum of GTIs [s]
ontime7	22067.459762454	Sum of GTIs [s]
l2events	135633	Number of level 2 events



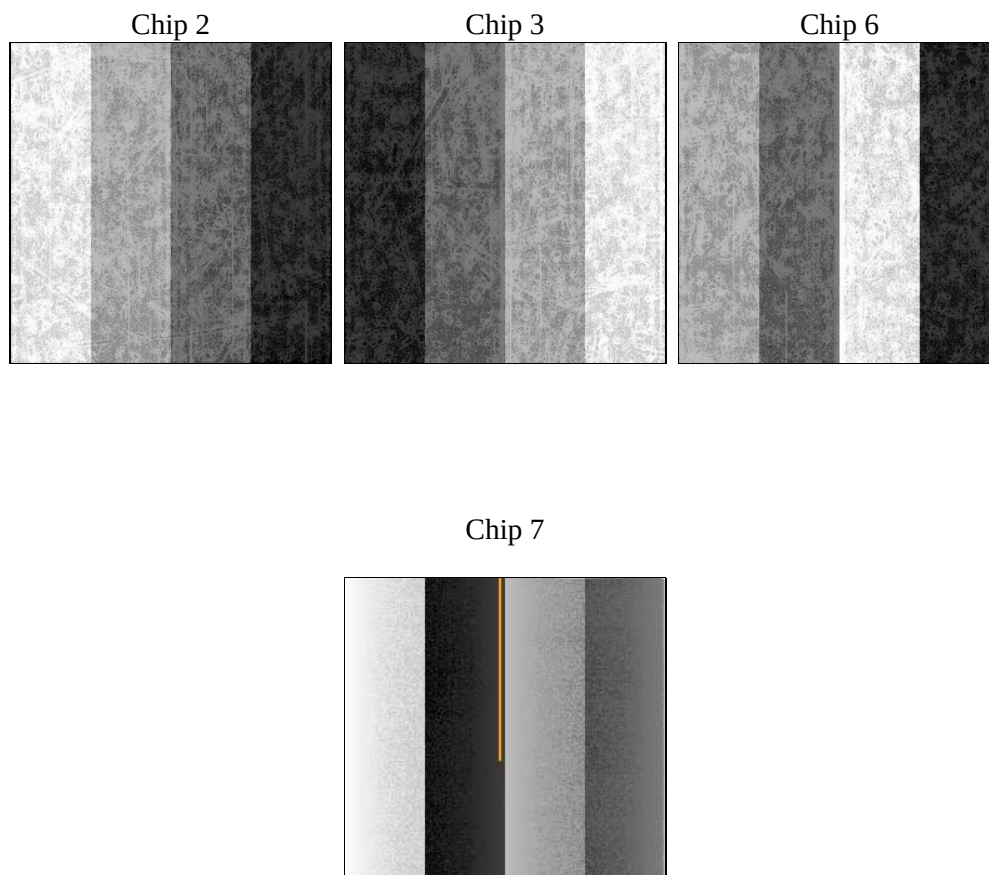
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	22067.459762454	Sum of GTIs [s]
caldsver	4.8.2	 	ontime2	22064.195562363	Sum of GTIs [s]
date	2019-01-28T06:20:38	Date and time of file creation	ontime3	22067.377682447	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	22067.41872251	Sum of GTIs [s]
			ontime7	22067.459762454	Sum of GTIs [s]
			l1events	732473	Number of level 1 events

2.1.4 Events

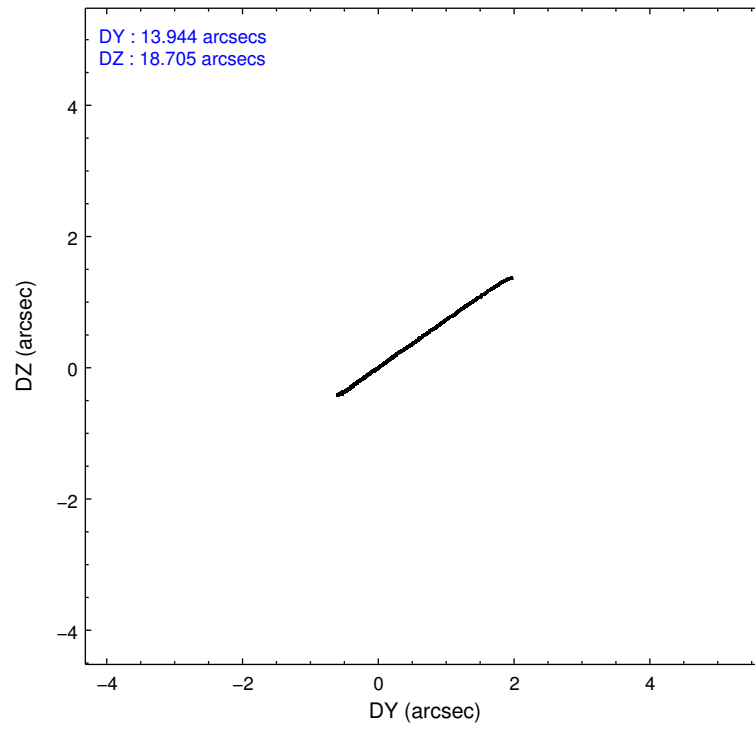
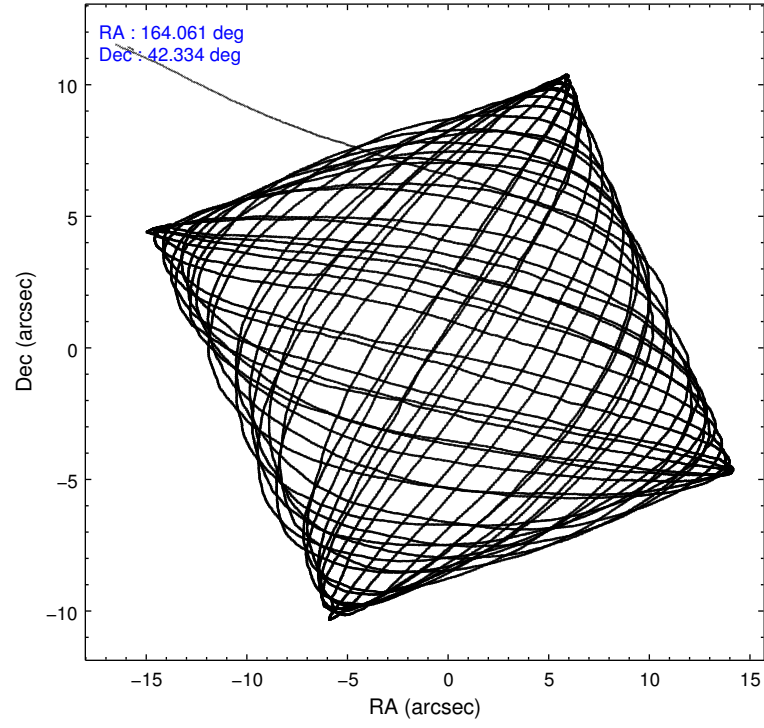
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	174421	163473	178676	215903
rejected events	155921	146698	159886	123548
rejected %	89%	89%	89%	57%

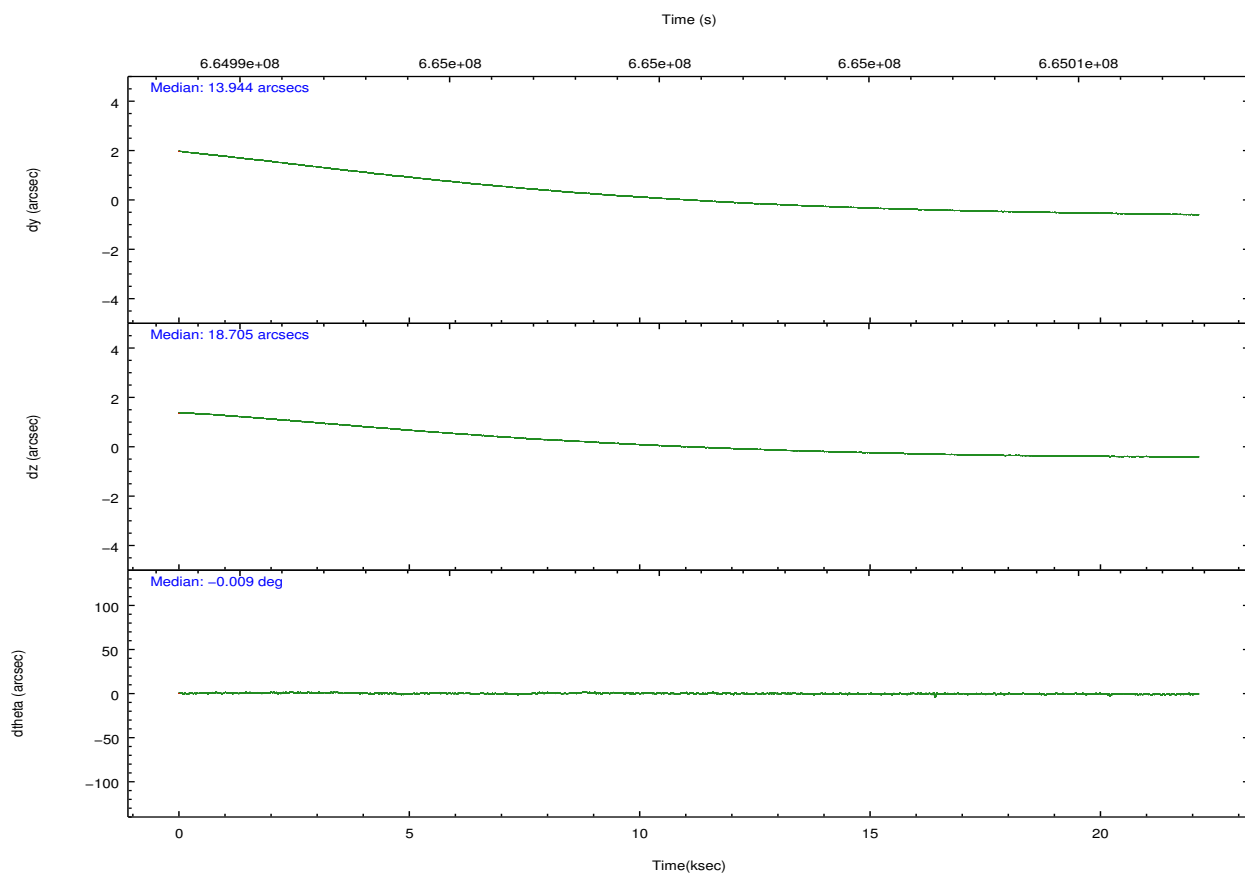
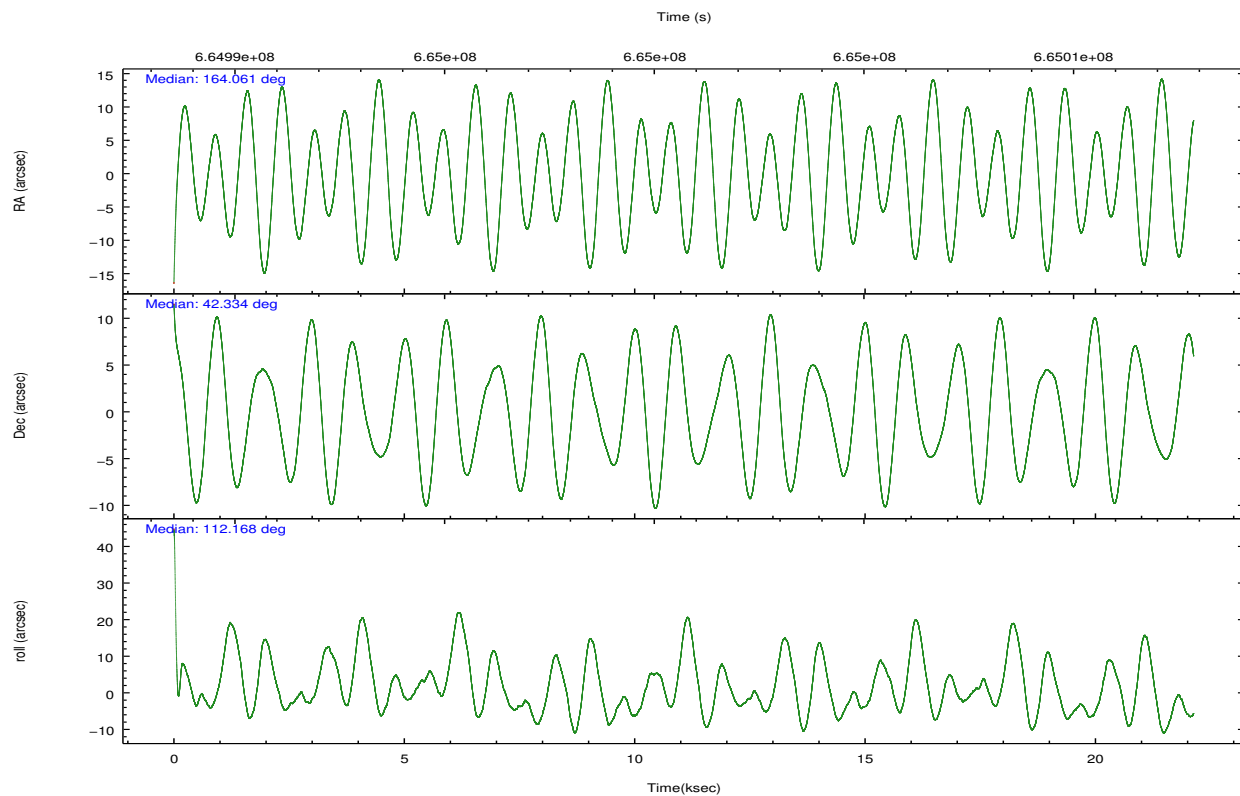
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	7464	5771	5446	7643
	4%	3%	3%	3%
grade 1 events	110	84	69	328
	0%	0%	0%	0%
grade 2 events	4038	3706	4960	19205
	2%	2%	2%	8%
grade 3 events	1665	1817	1663	7231
	0%	1%	0%	3%
grade 4 events	1714	1730	1674	7035
	0%	1%	0%	3%
grade 5 events	6191	7607	7216	20404
	3%	4%	4%	9%
grade 6 events	3625	3755	5052	51265
	2%	2%	2%	23%
grade 7 events	149614	139003	152596	102792
	85%	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	VFAINT	VFAINT	CCD I0 on	O2	N
Observation mode	POINTING	POINTING	CCD I1 on	O1	N
[deg] Pointing RA	164.090532	164.0609182927633	CCD I2 on	Y	Y
[deg] Pointing Dec	42.317182	42.3337429625163	CCD I3 on	Y	Y
[deg] Pointing Roll	111.983931	112.1605186403578	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	Y	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	N	N
[s] Observation start time (MET)	664989768.184000	664988786.84953	CCD S5 on	N	N
Observation start date	2019-01-27T15:21:39	2019-01-27T15:06:26	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	665011768.184000	665012713.93846	On-chip summing requested	N	N
Observation end date	2019-01-27T21:28:19	2019-01-27T21:45:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



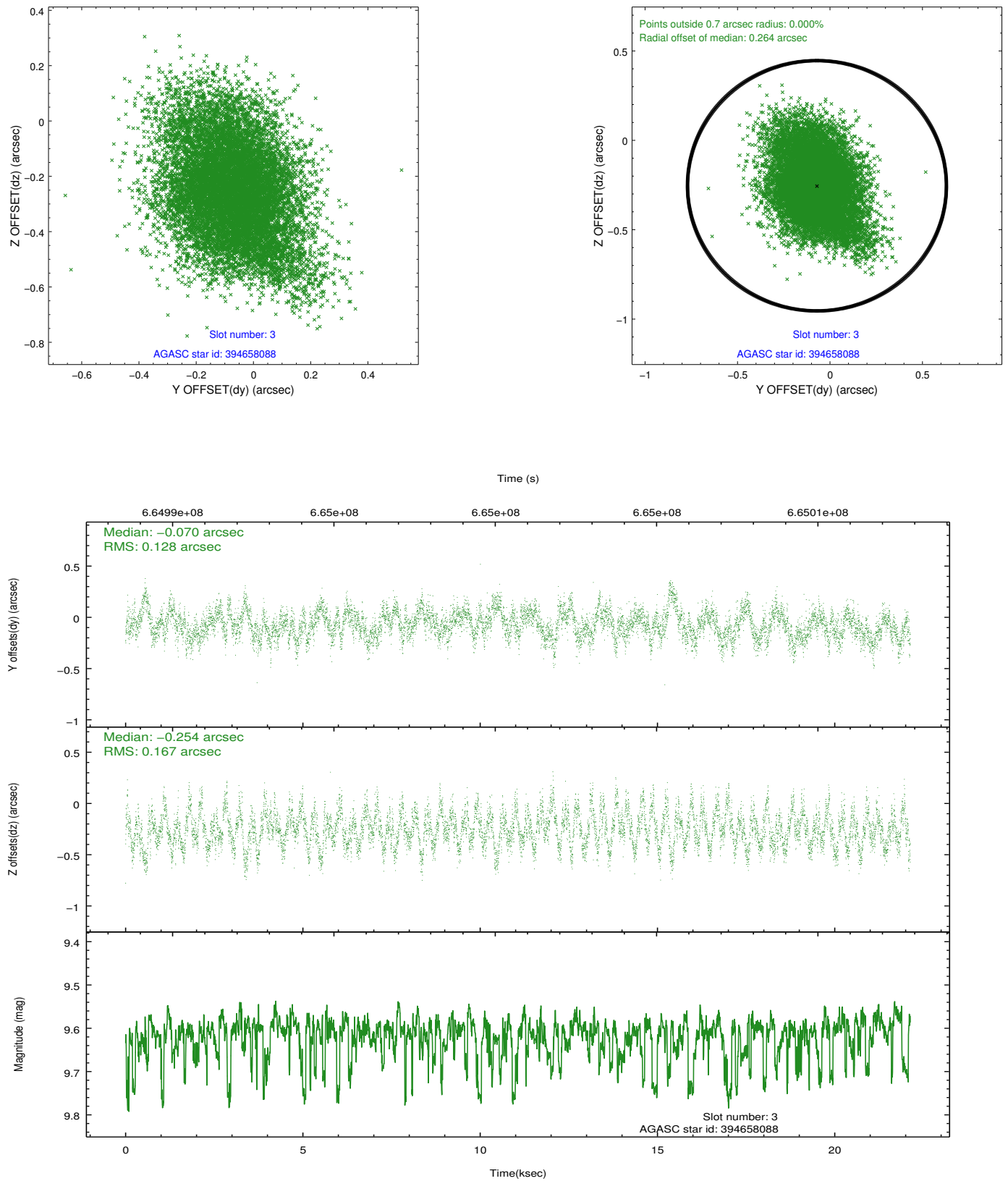


Slot Statistics

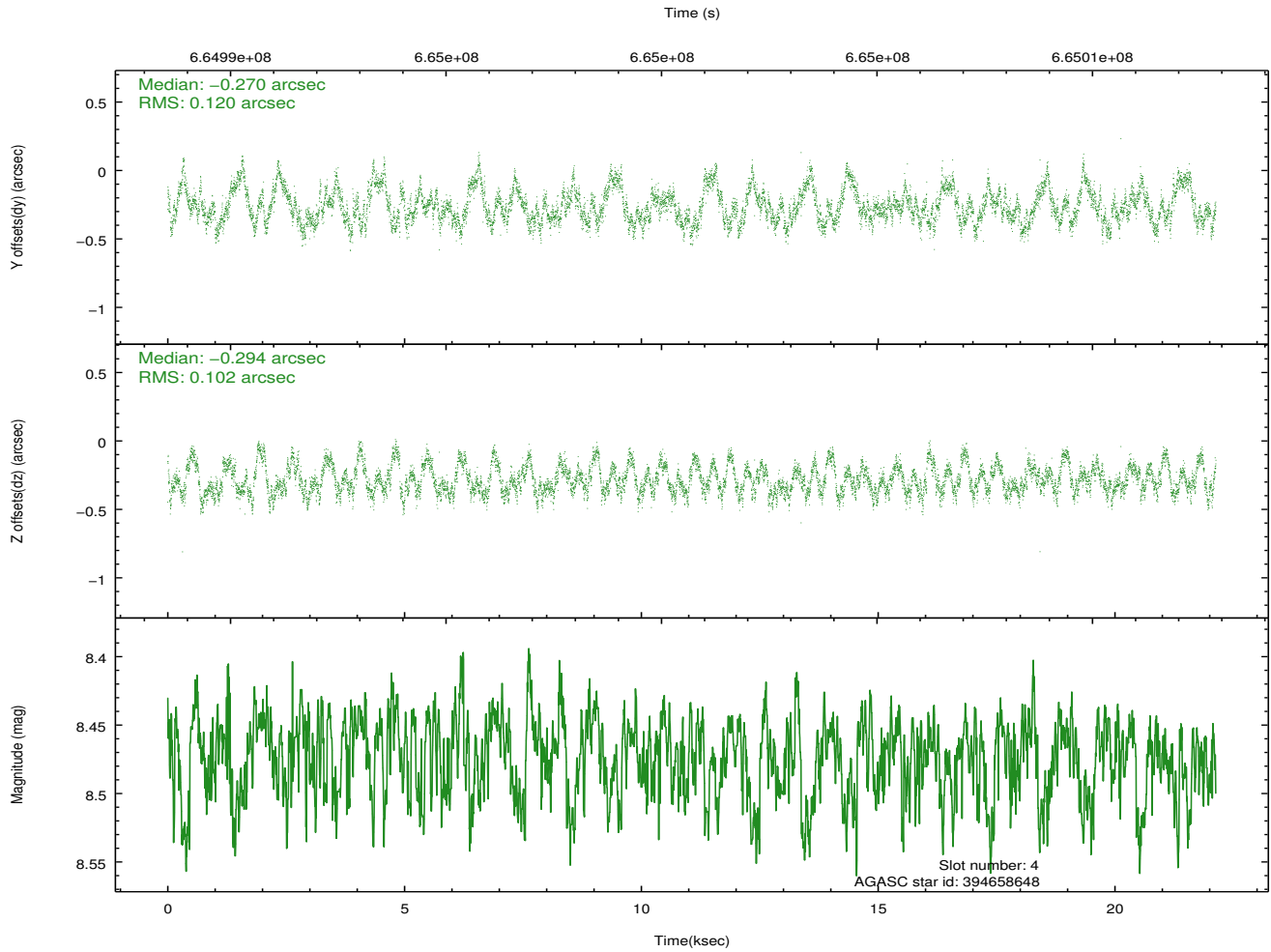
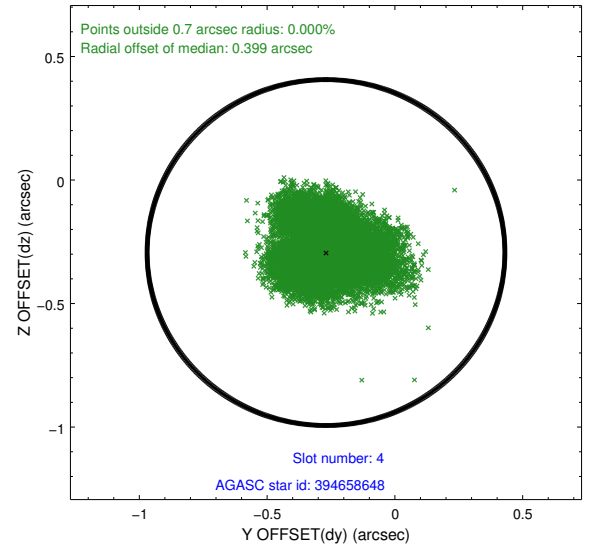
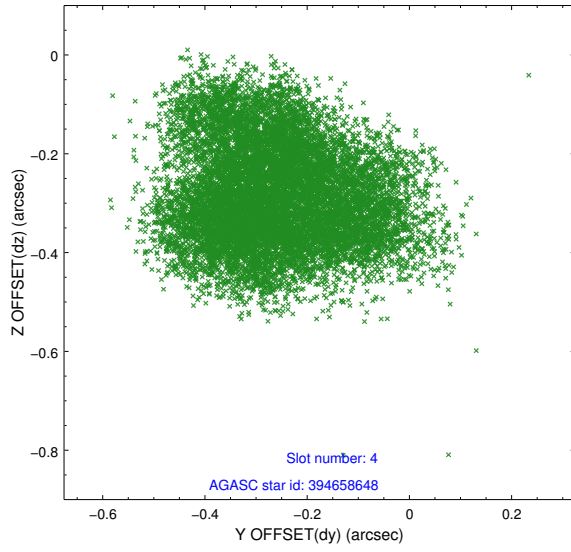
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.21	5399	1.000	0.217	-0.080	0.030	0.053	0.000000	0.000000	929.21	-1735
1	FID		ACIS-S-5	7.21	5399	1.000	-0.541	0.084	0.029	0.059	0.000000	0.000000	-1820.56	161
2	FID		ACIS-S-6	7.36	5399	1.000	0.305	0.010	0.024	0.074	0.000000	0.000000	394.54	805
3	GUIDE	used	394658088	9.61	10773	1.000	-0.070	-0.254	0.222	0.368	163.727854	42.594046	1286.01	517
4	GUIDE	used	394658648	8.47	10784	1.000	-0.270	-0.294	0.172	0.259	163.710510	42.859211	2186.68	198
5	GUIDE	used	394660048	9.25	10740	1.000	0.710	0.781	0.199	0.302	164.917815	42.156666	-1351.64	-1832
6	GUIDE	used	394660208	9.40	10766	1.000	-0.255	-0.137	0.221	0.340	163.616392	42.544985	1234.54	858
7	GUIDE	used	394661368	9.02	10778	1.000	-0.115	-0.093	0.336	0.512	163.591300	41.451247	-2382.62	2415

2.4 Star Slots

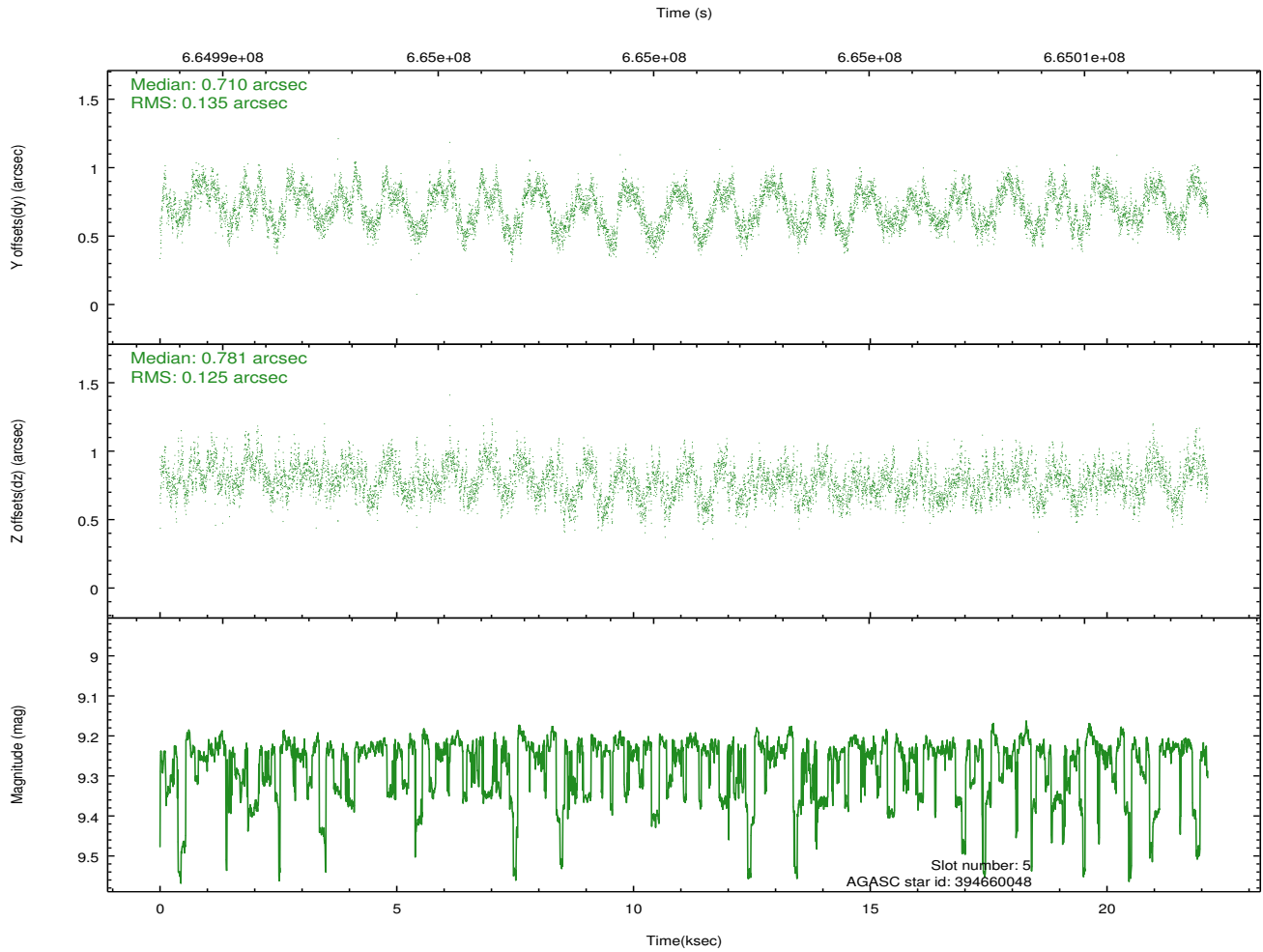
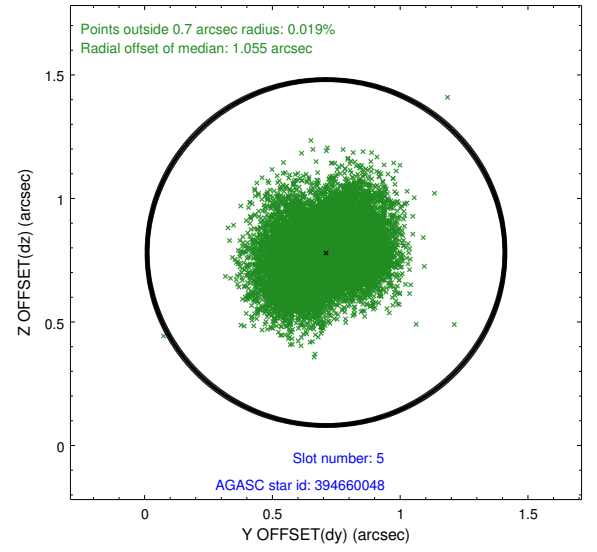
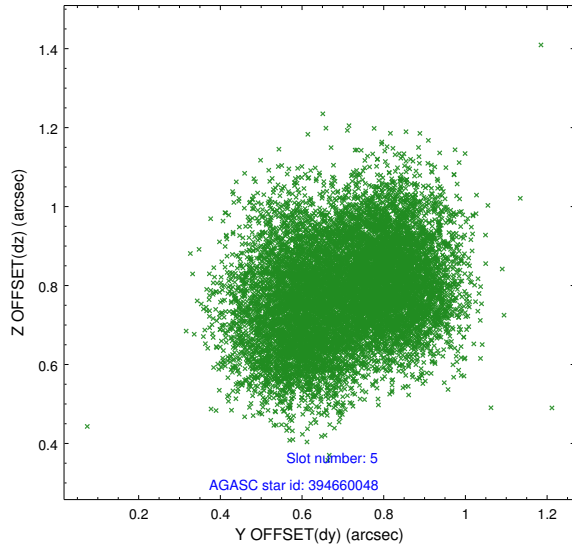
2.4.1 Slot 3



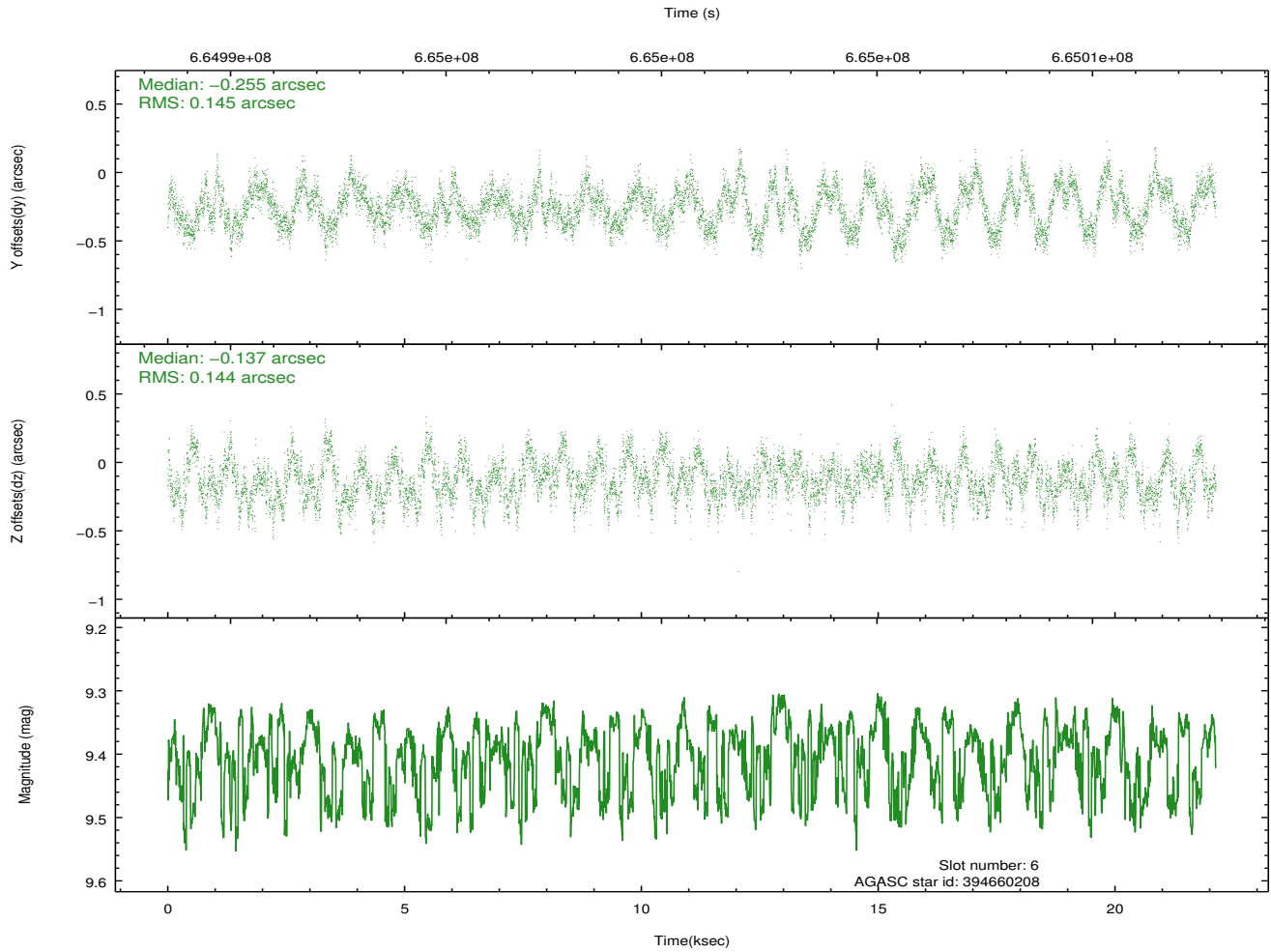
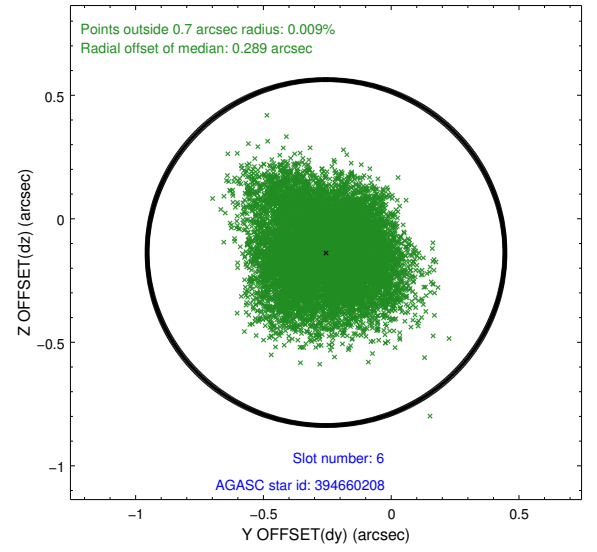
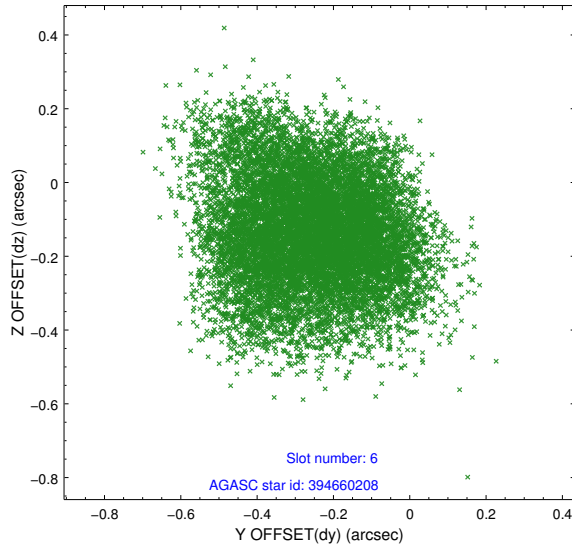
2.4.2 Slot 4



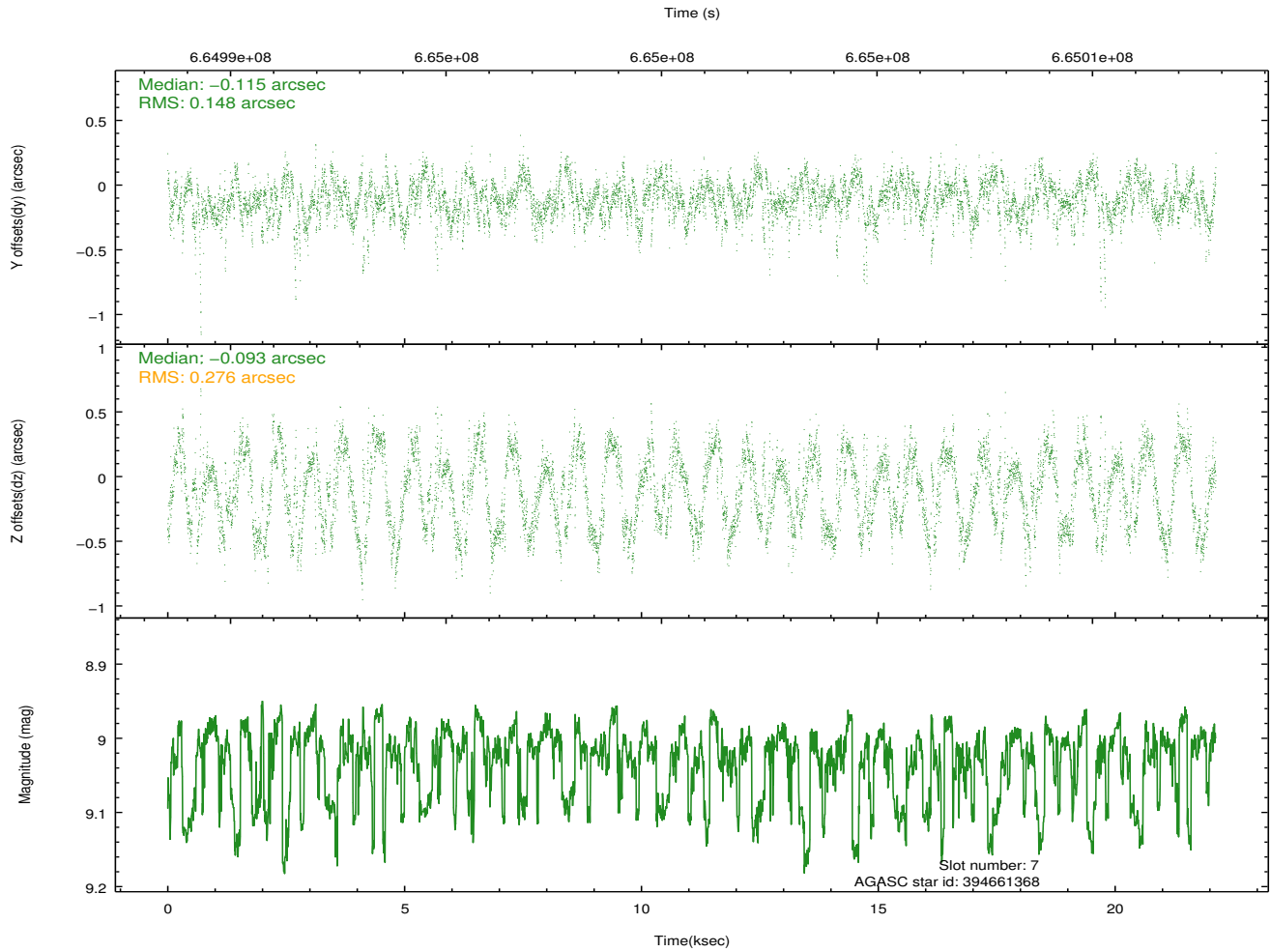
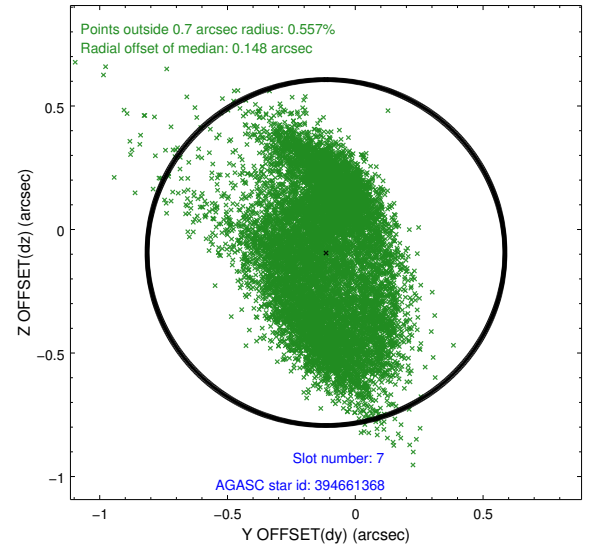
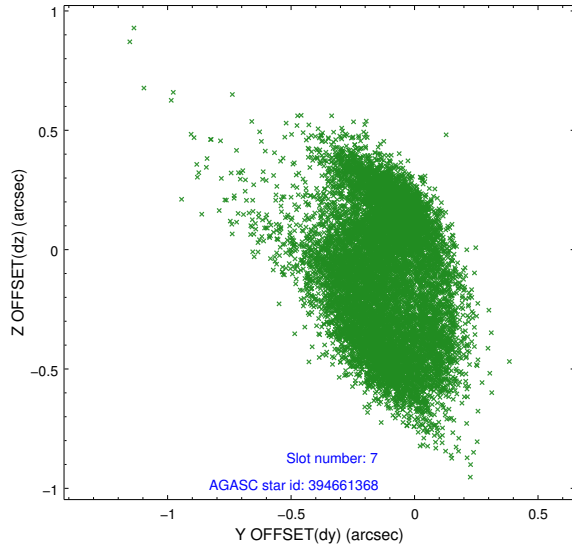
2.4.3 Slot 5



2.4.4 Slot 6

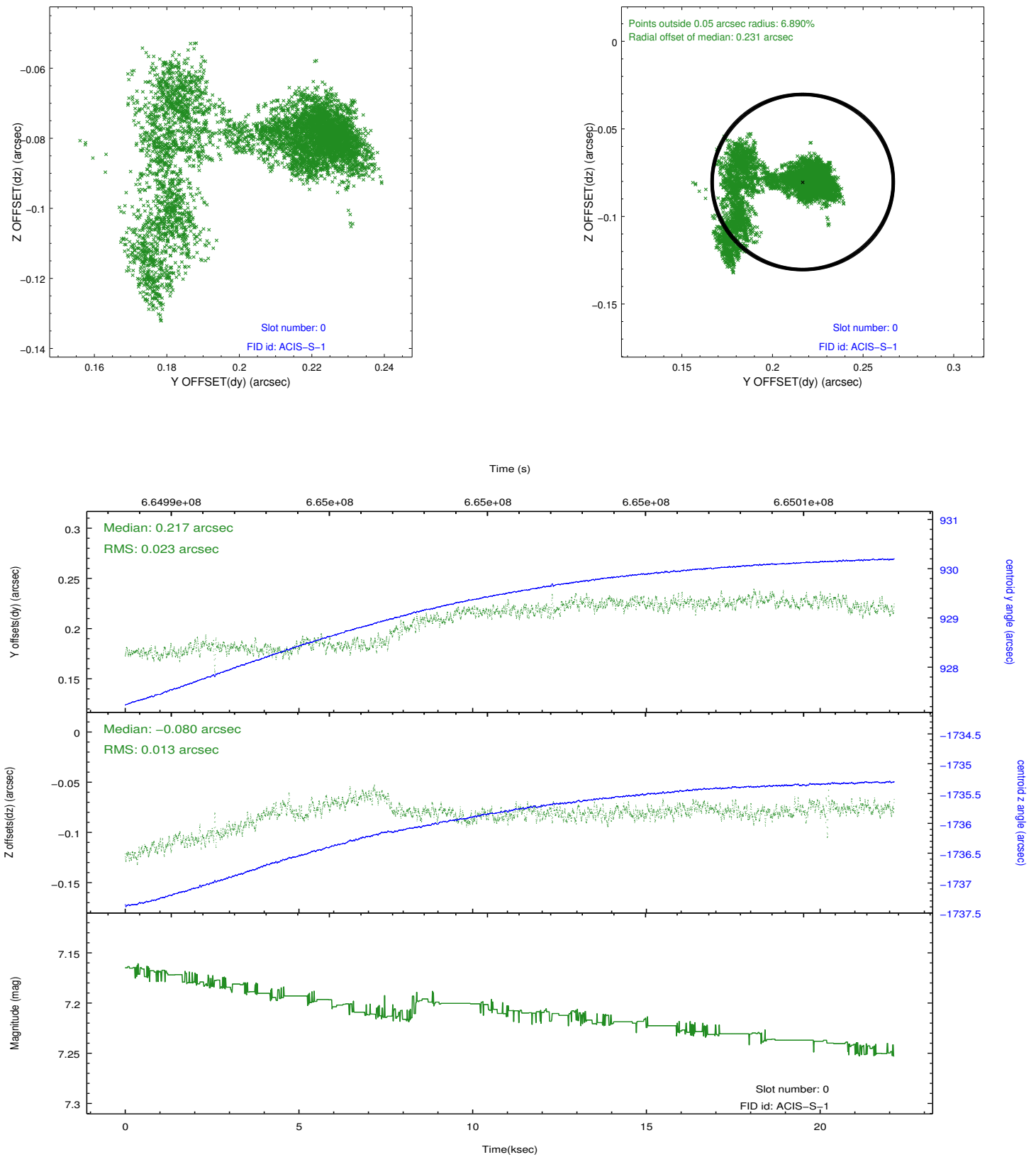


2.4.5 Slot 7

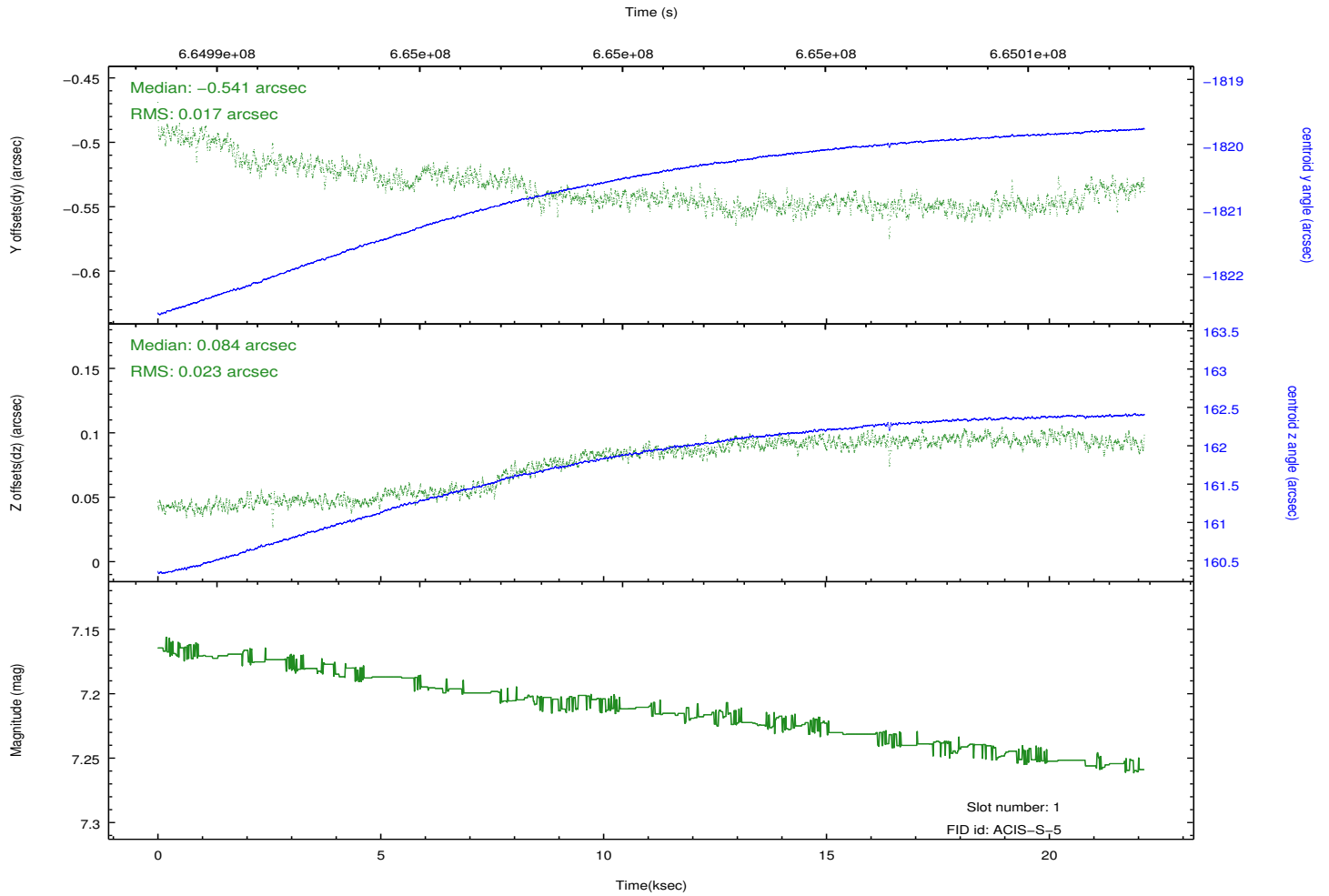
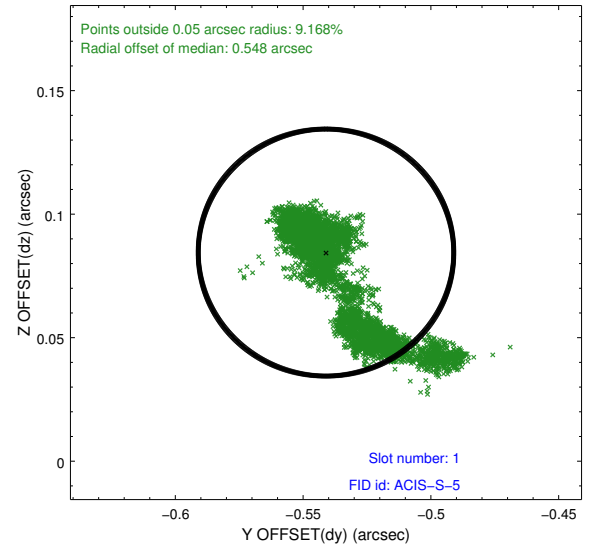
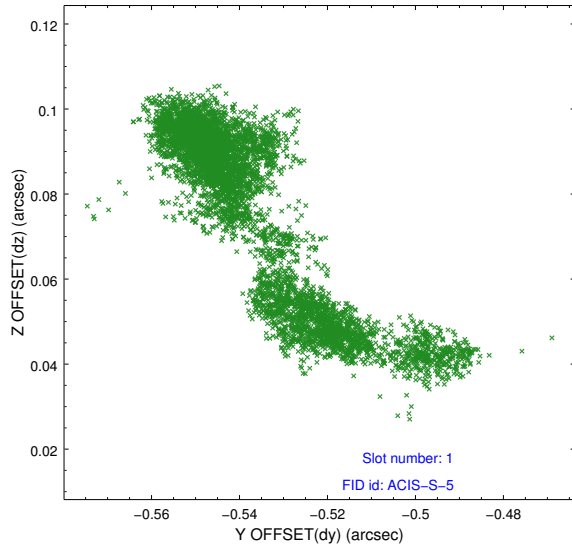


2.5 FID Slots

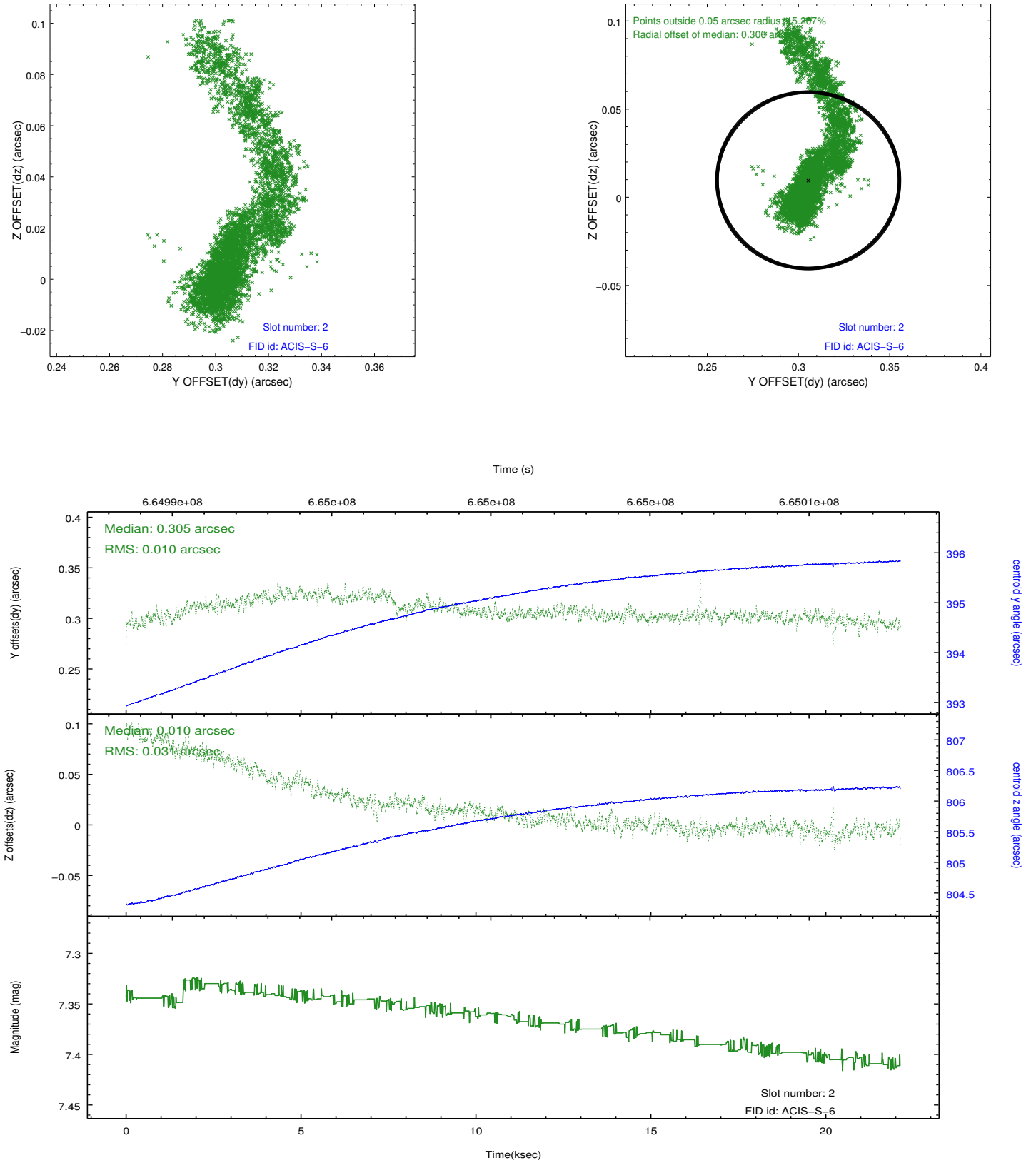
2.5.1 Slot 0



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)	2019.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.067459762454

A.2 Comments

Optional chips I1 and I0 not included.