

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22101 - L2 Version 1
Chandra X-Ray Center

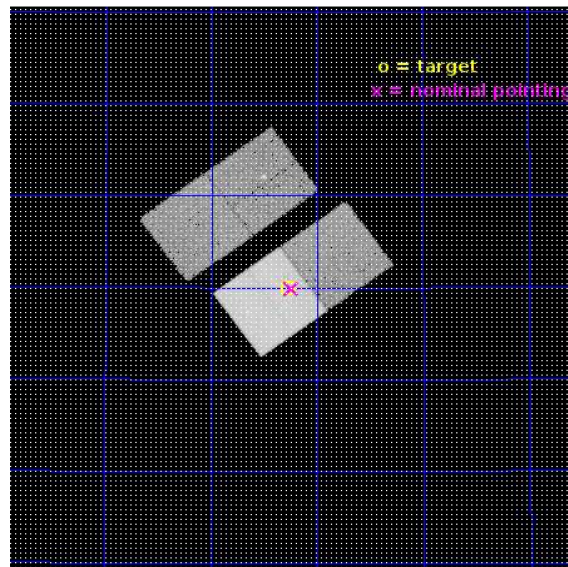
L2 Processing Date : Feb 13 2019

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1 Front

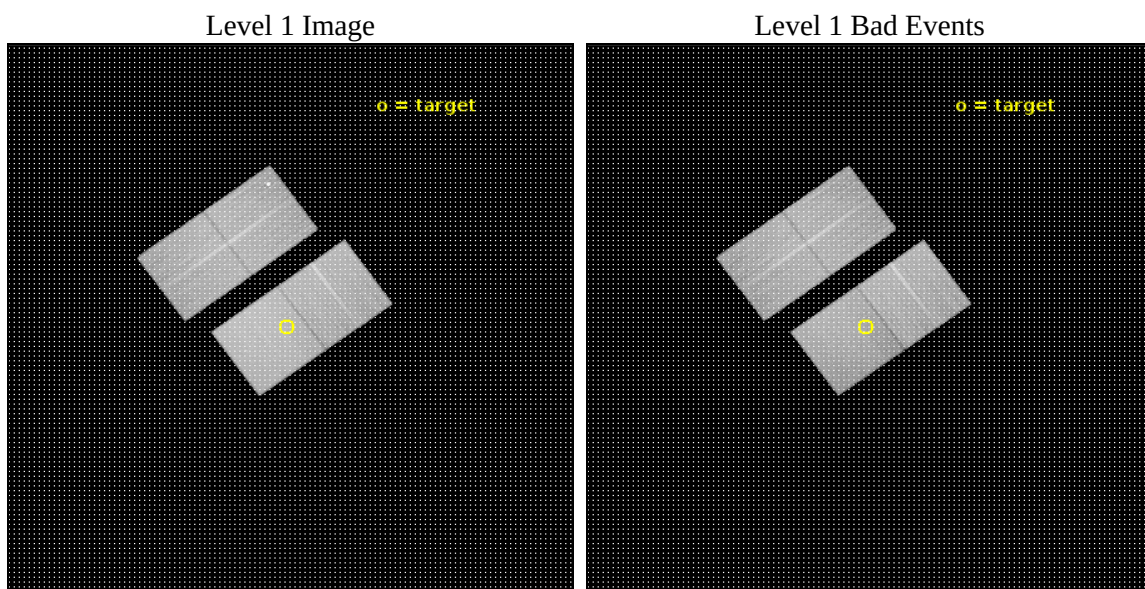
seq_num	601430	Sequence number
obs_id	22101	Observation id
title	The Inner Mass Profile of the Compact Elliptical Galaxy PGC 032873	
observer	David Buote	Principal investigator
object	PGC 032873	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.066667	Observer's specified target RA [deg]
dec_targ	42.333056	Observer's specified target Dec [deg]
ra_nom	164.06075190539	Nominal RA [deg]
dec_nom	42.331436089032	Nominal Dec [deg]
roll_nom	144.16061841701	Nominal Roll [deg]
revision	1	Processing version of data
ontime	34068.098523259	Sum of GTIs [s]
livetime	33622.973735484	Livetime [s]
ontime2	34061.693442345	Sum of GTIs [s]
ontime3	34068.016443253	Sum of GTIs [s]
ontime6	34068.057483315	Sum of GTIs [s]
ontime7	34068.098523259	Sum of GTIs [s]
l2events	211028	Number of level 2 events



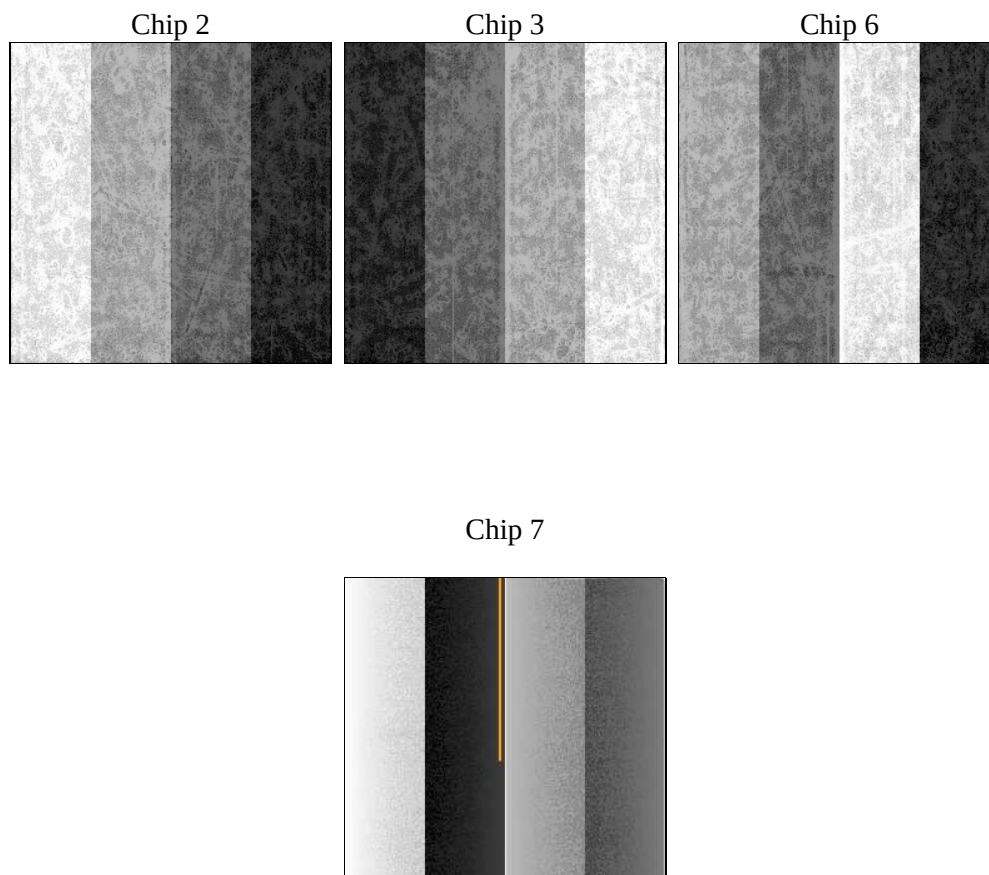
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	34068.098523259	Sum of GTIs [s]
caldsver	4.8.2	 	ontime2	34061.693442345	Sum of GTIs [s]
date	2019-02-13T21:57:10	Date and time of file creation	ontime3	34068.016443253	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	34068.057483315	Sum of GTIs [s]
			ontime7	34068.098523259	Sum of GTIs [s]
			l1events	1107776	Number of level 1 events

2.1.4 Events

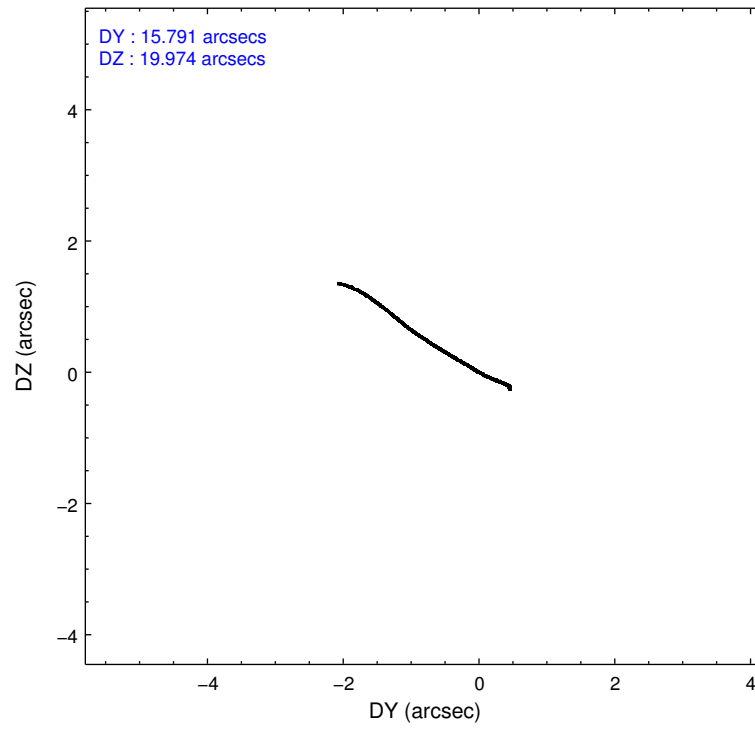
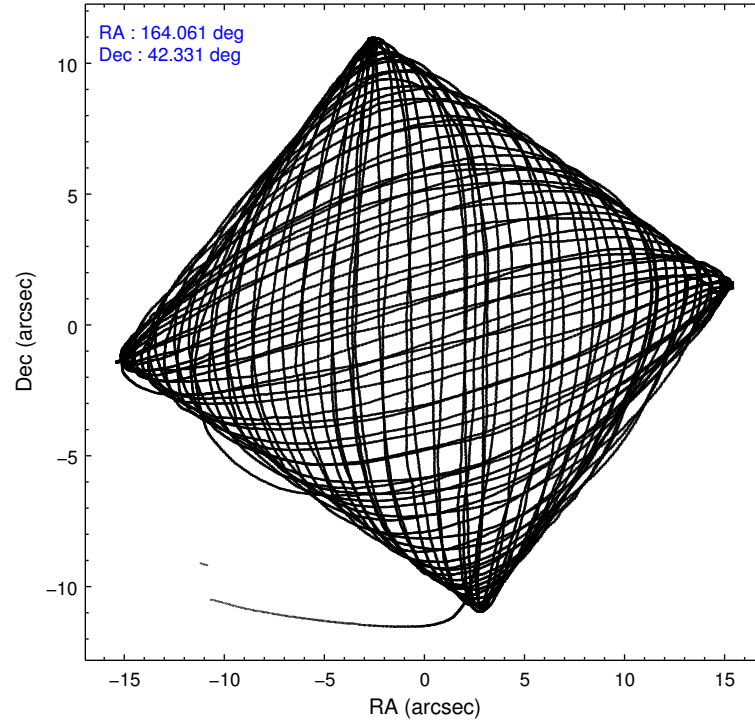
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	259532	249475	267275	331494
rejected events	227586	223577	238060	187928
rejected %	87%	89%	89%	56%

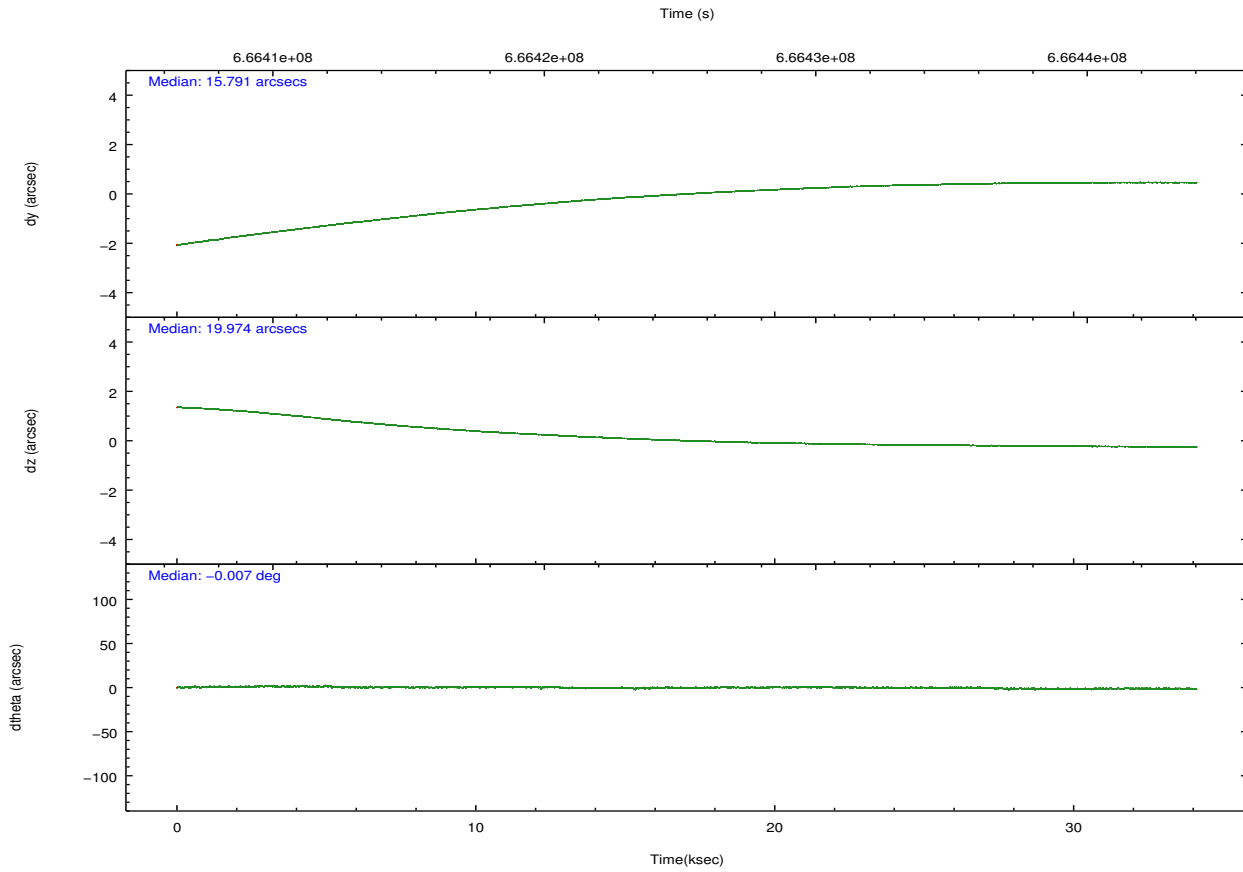
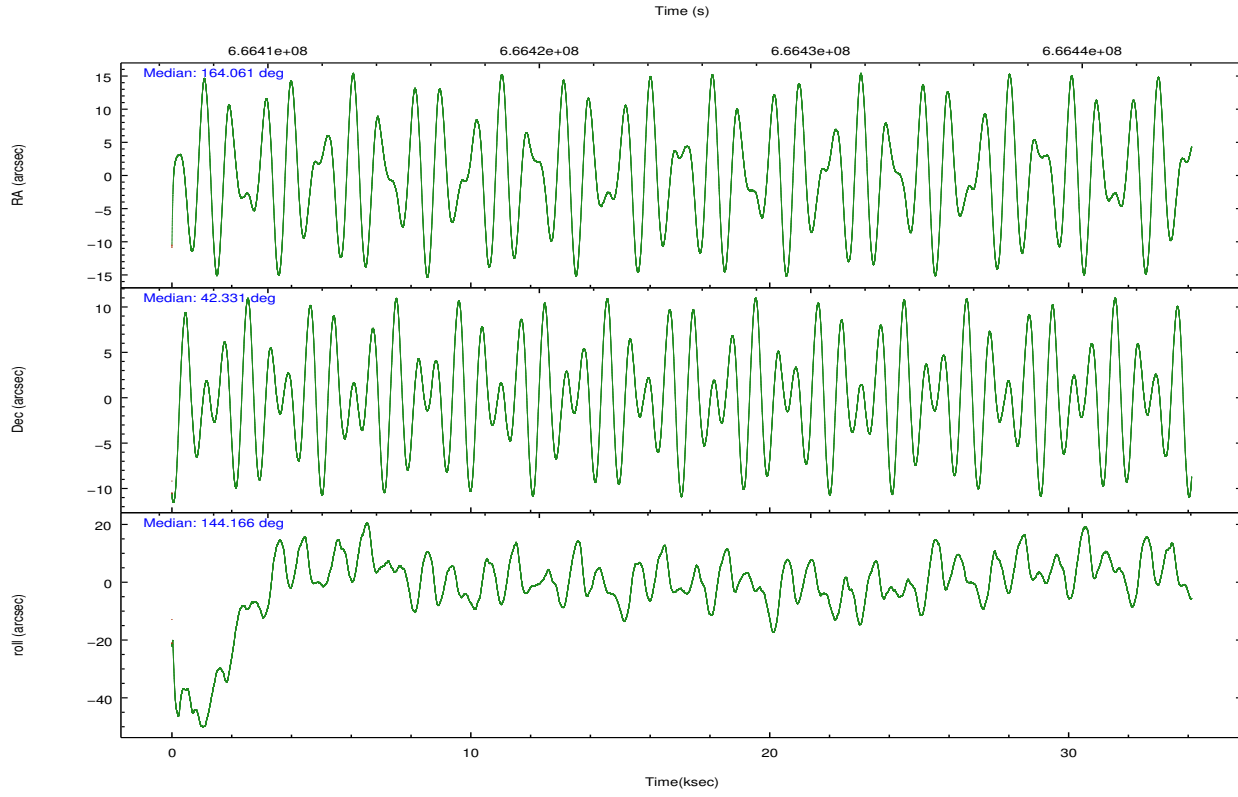
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	14542	9001	9184	11890
	5%	3%	3%	3%
grade 1 events	167	126	131	546
	0%	0%	0%	0%
grade 2 events	6454	5771	7146	30567
	2%	2%	2%	9%
grade 3 events	2709	2726	2801	11116
	1%	1%	1%	3%
grade 4 events	2783	2839	2719	11000
	1%	1%	1%	3%
grade 5 events	9926	11946	11863	32205
	3%	4%	4%	9%
grade 6 events	5465	5569	7369	79017
	2%	2%	2%	23%
grade 7 events	217486	211497	226062	155153
	83%	84%	84%	46%

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	164.097740	164.0607519053874	CCD I2 on	Y	Y
[deg] Pointing Dec	42.329015	42.33143608903203	CCD I3 on	Y	Y
[deg] Pointing Roll	143.979078	144.1606184170127	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)	666408298.184000	666407073.28426	CCD S5 on	N	N
Observation start date	2019-02-13T01:23:49	2019-02-13T01:04:33	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	666442298.184000	666443210.68642	On-chip summing requested	N	N
Observation end date	2019-02-13T10:50:29	2019-02-13T11:06:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



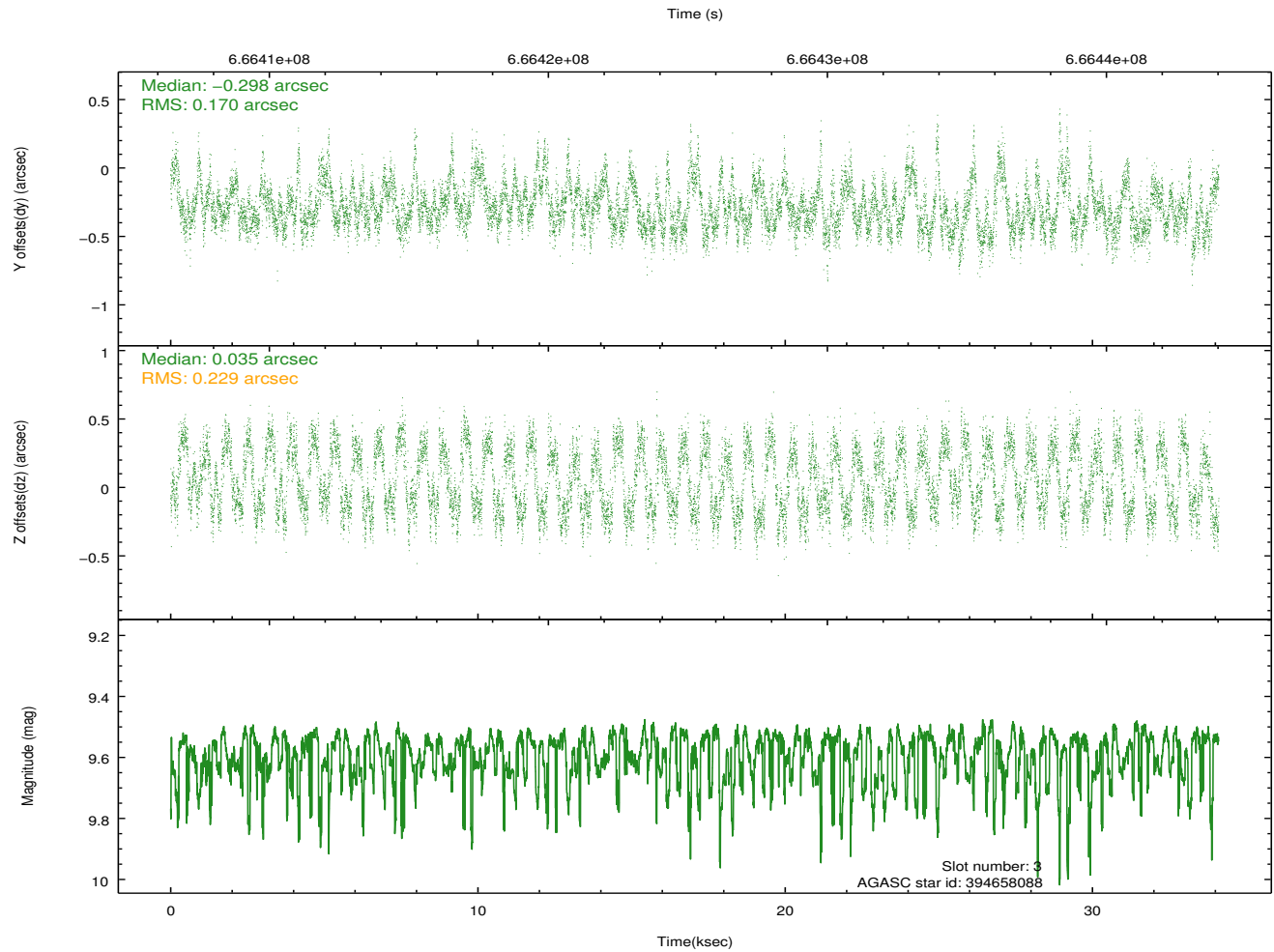
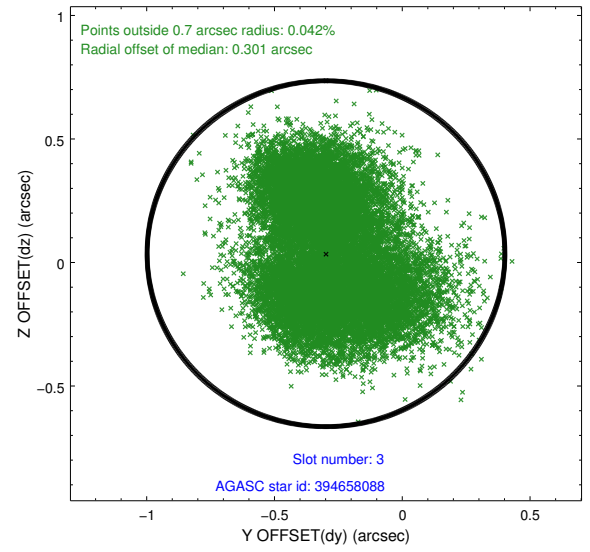
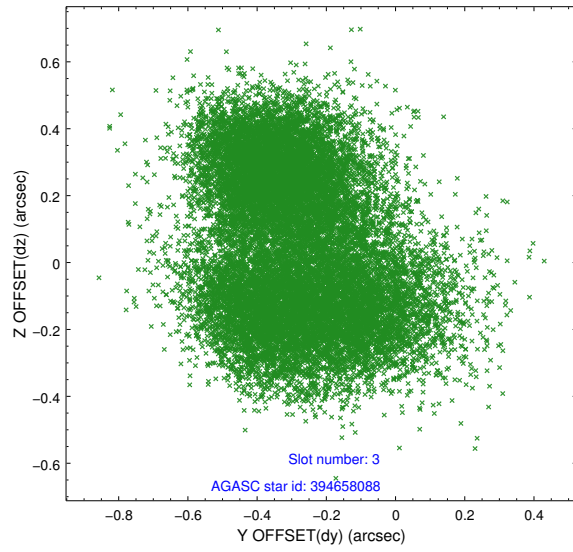


Slot Statistics

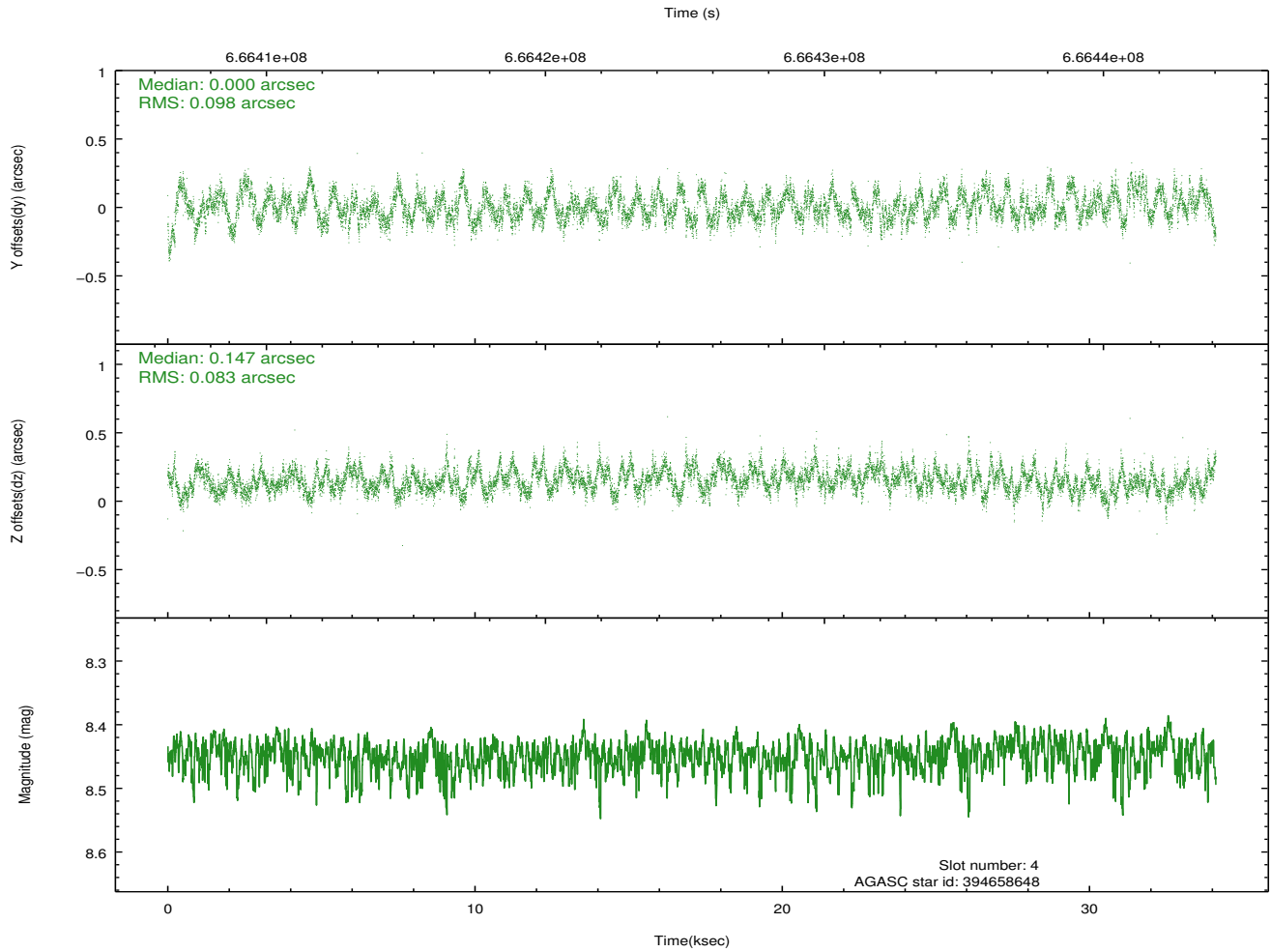
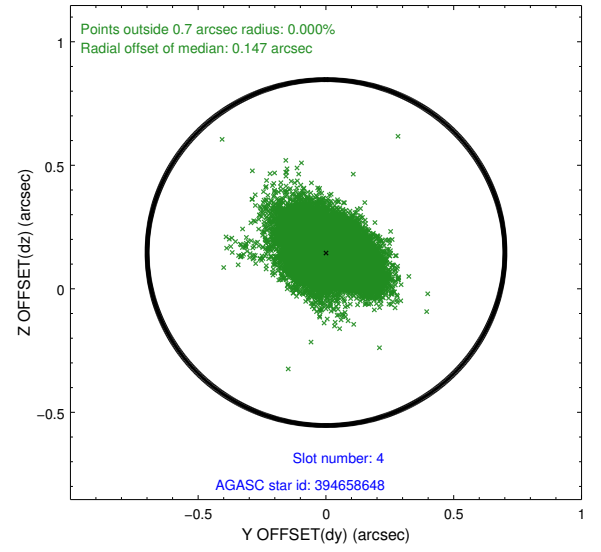
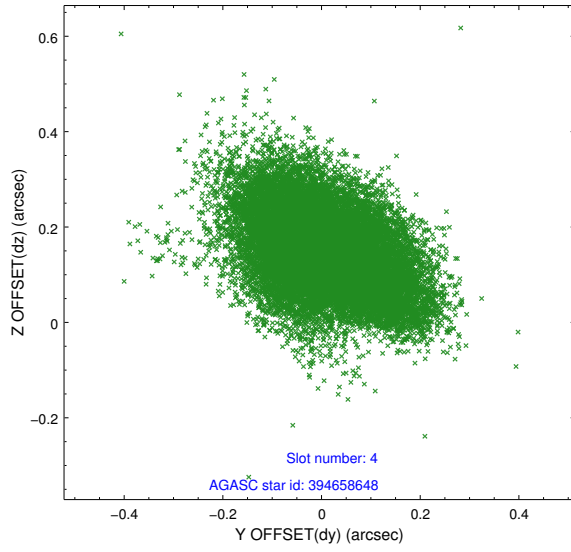
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.04	8321	1.000	-0.350	-0.182	0.028	0.054	0.000000	0.000000	-768.76	-1741
1	FID		ACIS-S-4	7.16	8320	1.000	0.787	0.219	0.021	0.061	0.000000	0.000000	2145.53	167
2	FID		ACIS-S-5	7.13	8322	1.000	-0.467	-0.026	0.023	0.032	0.000000	0.000000	-1821.75	160
3	GUIDE	used	394658088	9.59	16539	1.000	-0.298	0.035	0.312	0.448	163.727854	42.594046	1355.33	-196
4	GUIDE	used	394658648	8.45	16622	1.000	0.000	0.147	0.136	0.224	163.710510	42.859211	1950.57	-944
5	GUIDE	used	394660048	9.24	16608	1.000	0.268	0.134	0.219	0.336	164.917815	42.156666	-2126.99	-791
6	GUIDE	used	394660208	9.39	16447	1.000	-0.215	-0.249	0.186	0.302	163.616392	42.544985	1492.69	119
7	GUIDE	used	394660400	9.45	16620	1.000	0.212	-0.083	0.229	0.372	164.358391	42.223136	-784.57	-100

2.4 Star Slots

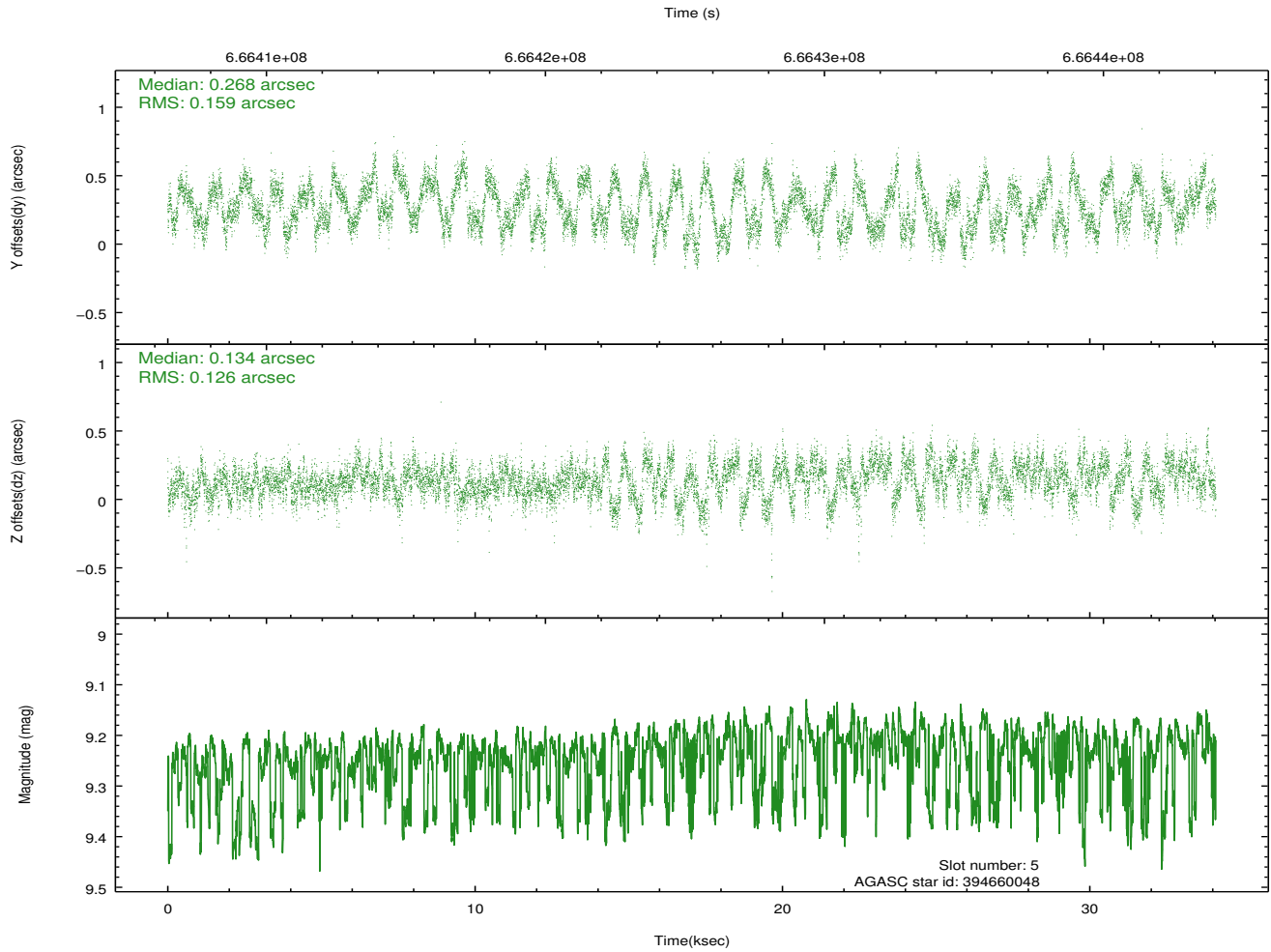
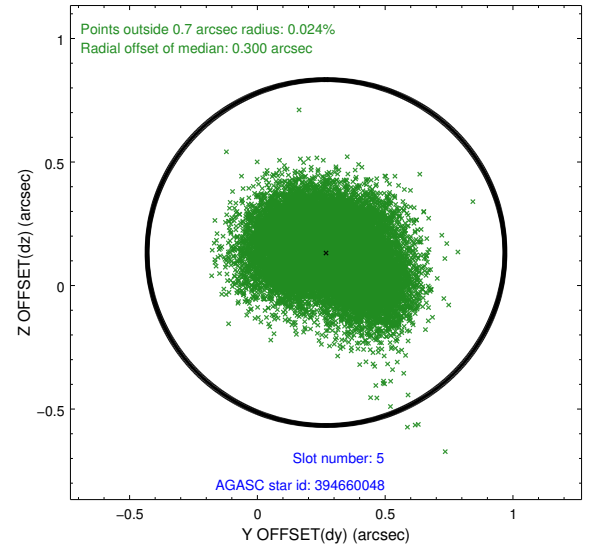
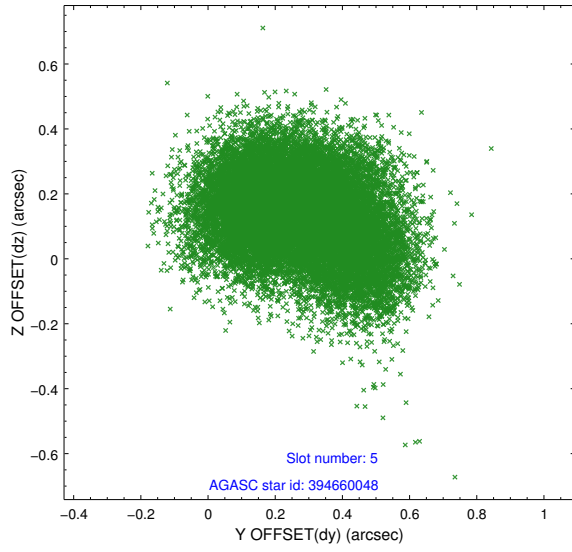
2.4.1 Slot 3



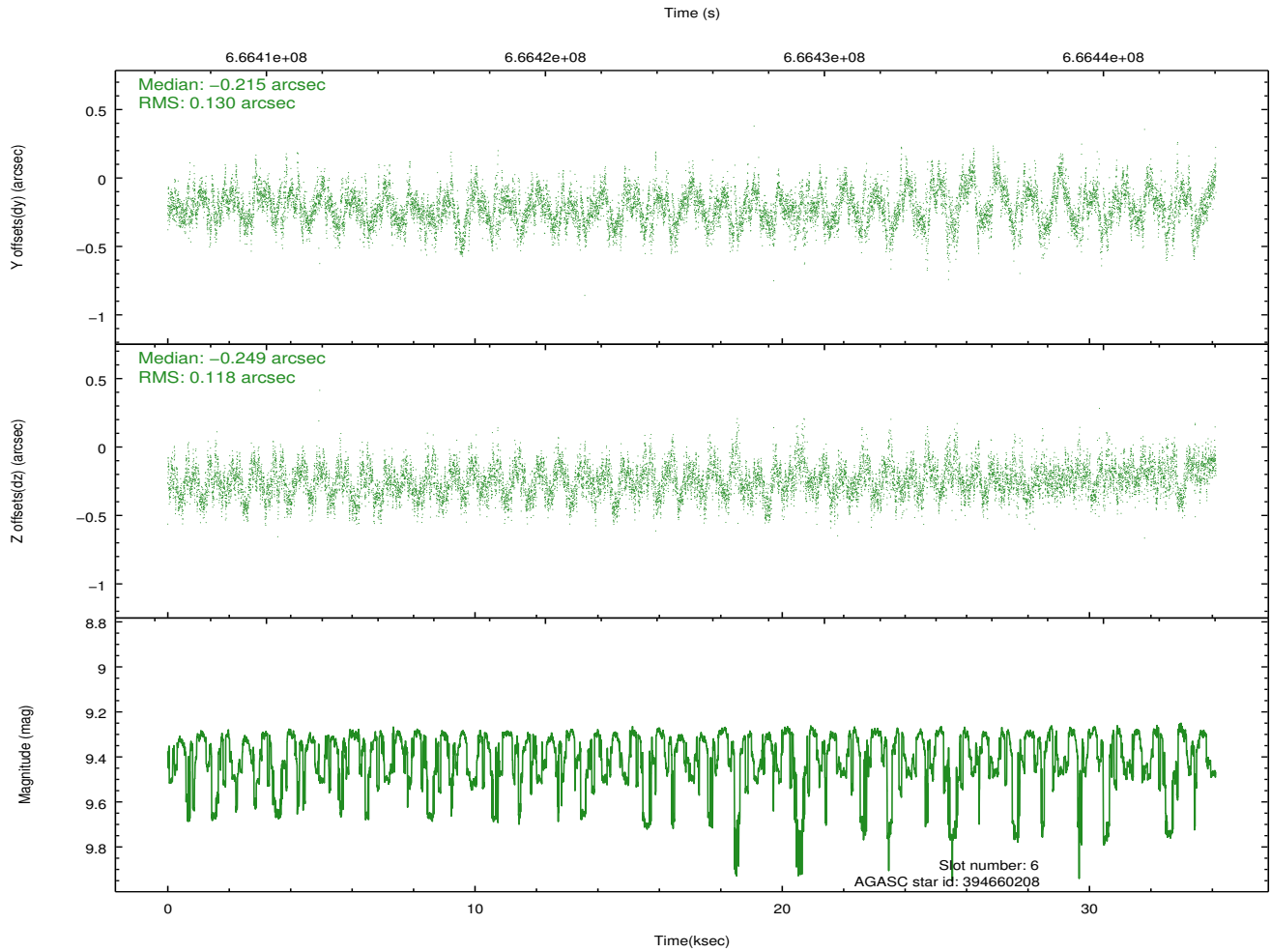
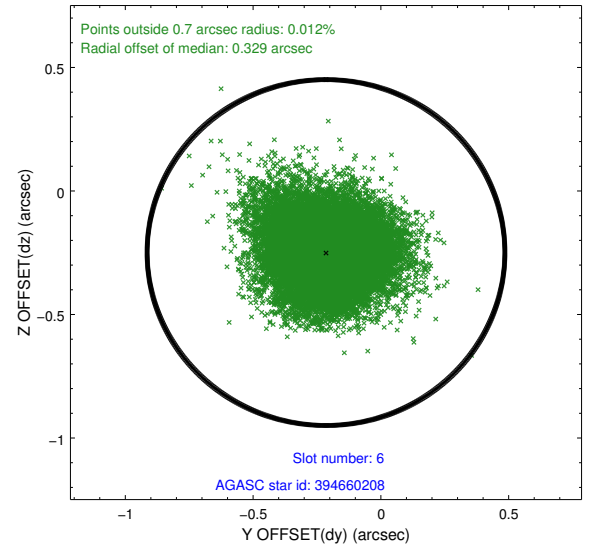
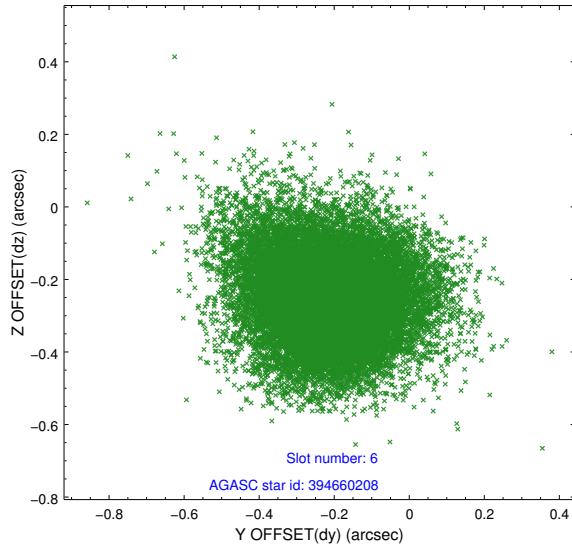
2.4.2 Slot 4



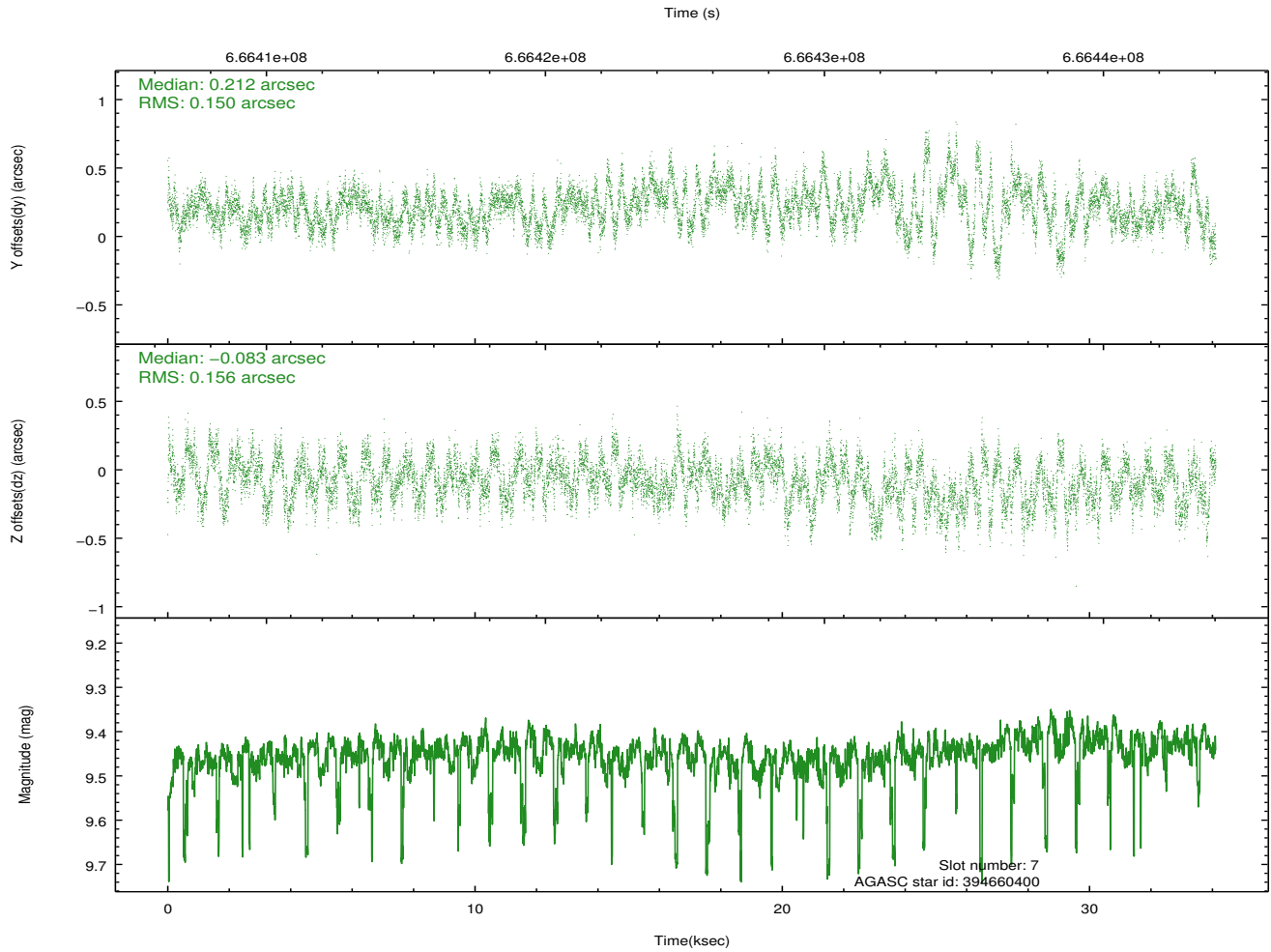
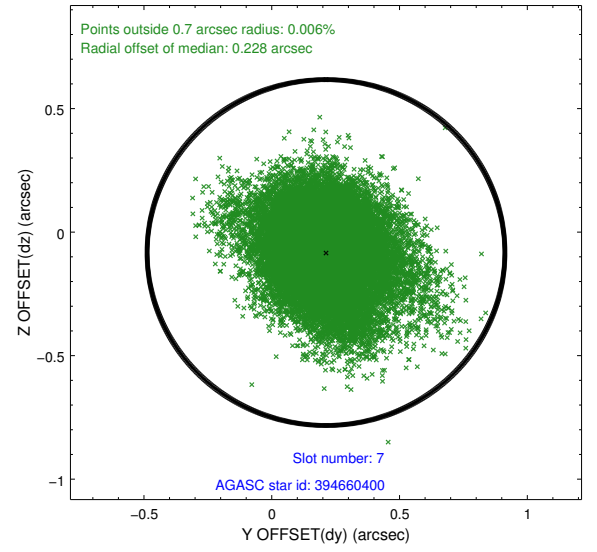
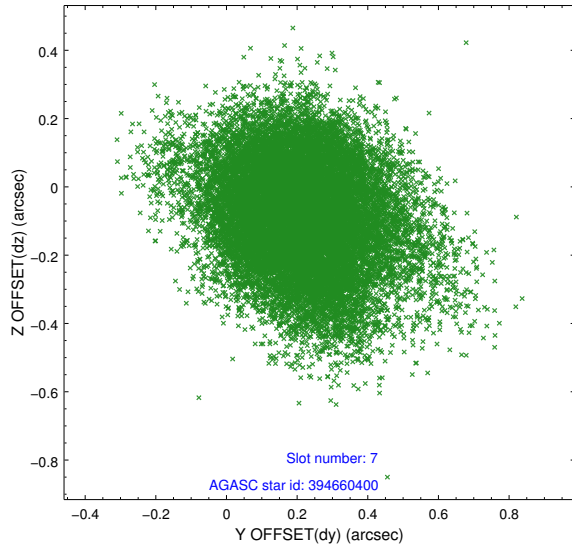
2.4.3 Slot 5



2.4.4 Slot 6

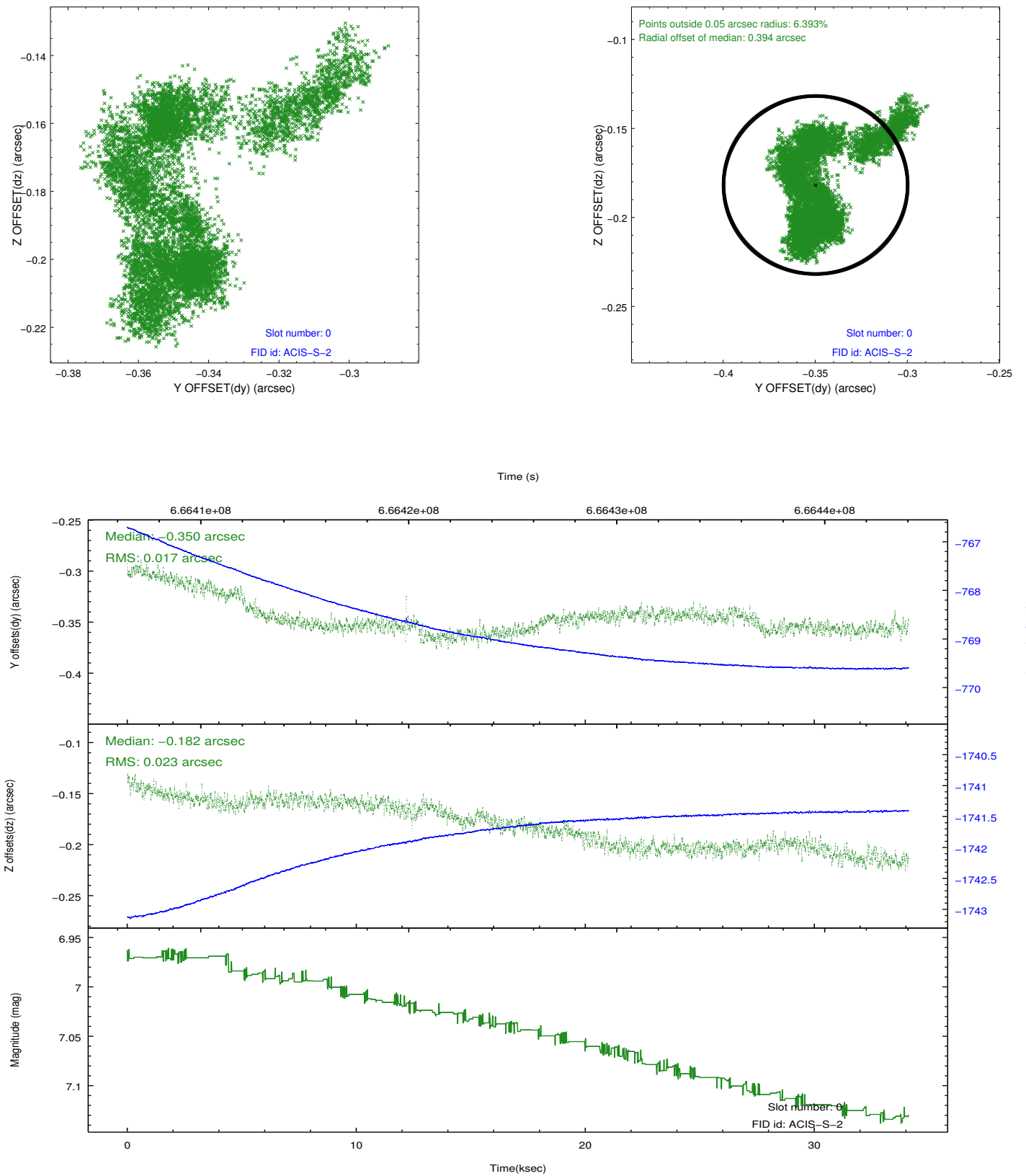


2.4.5 Slot 7

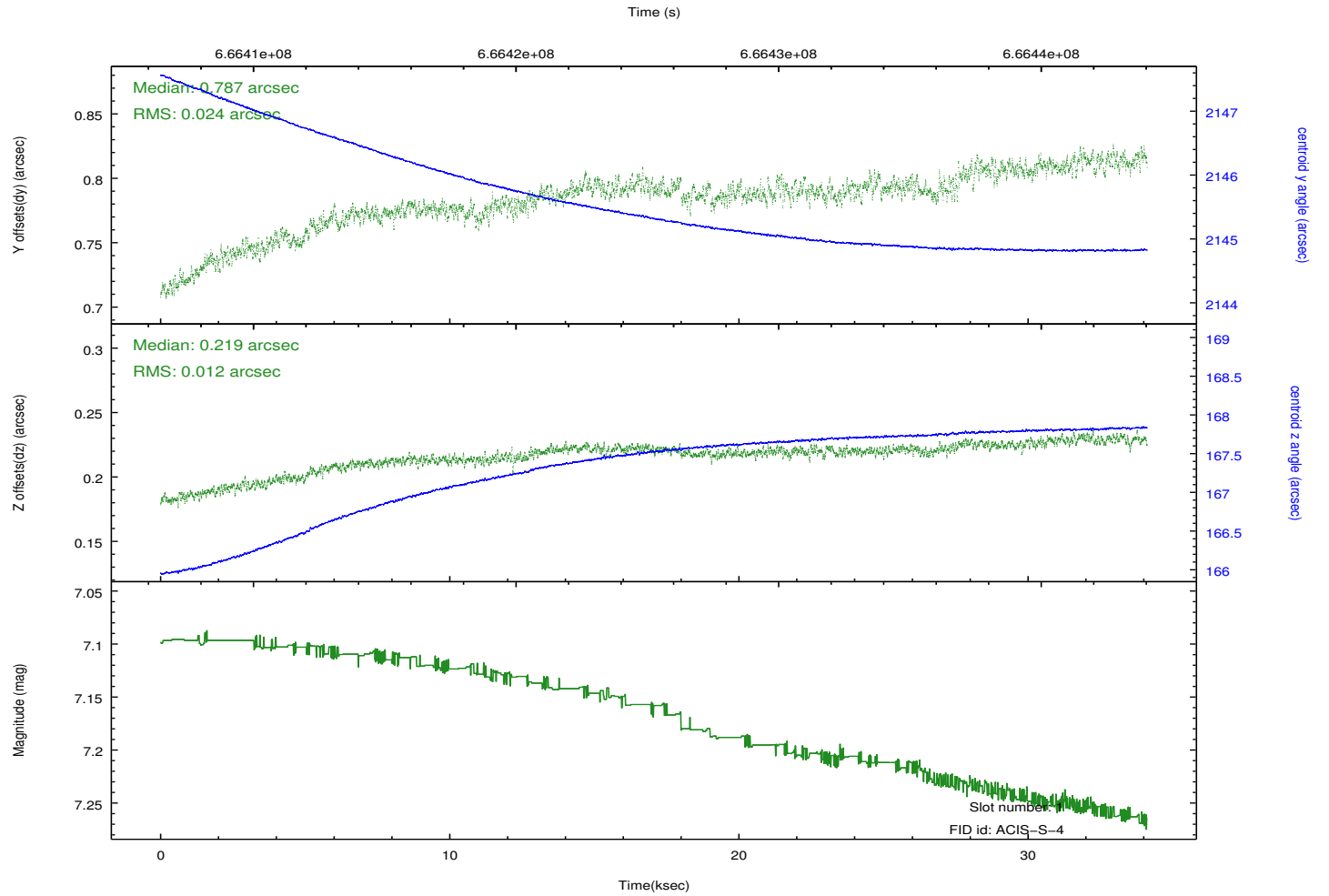
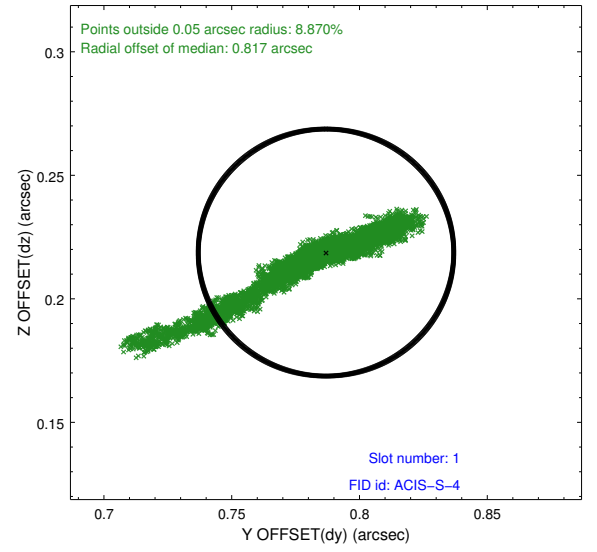
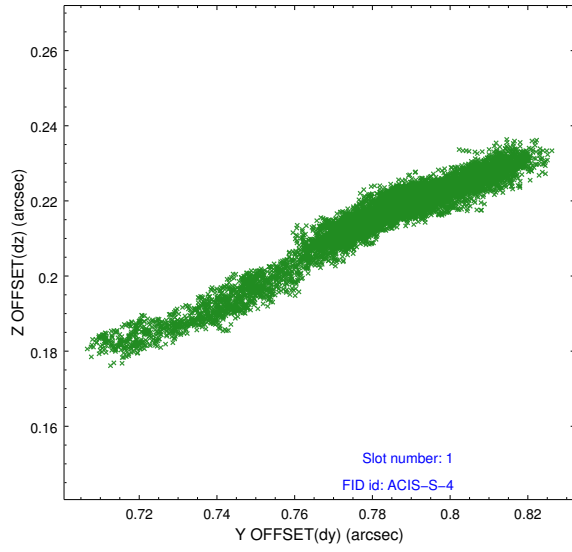


2.5 FID Slots

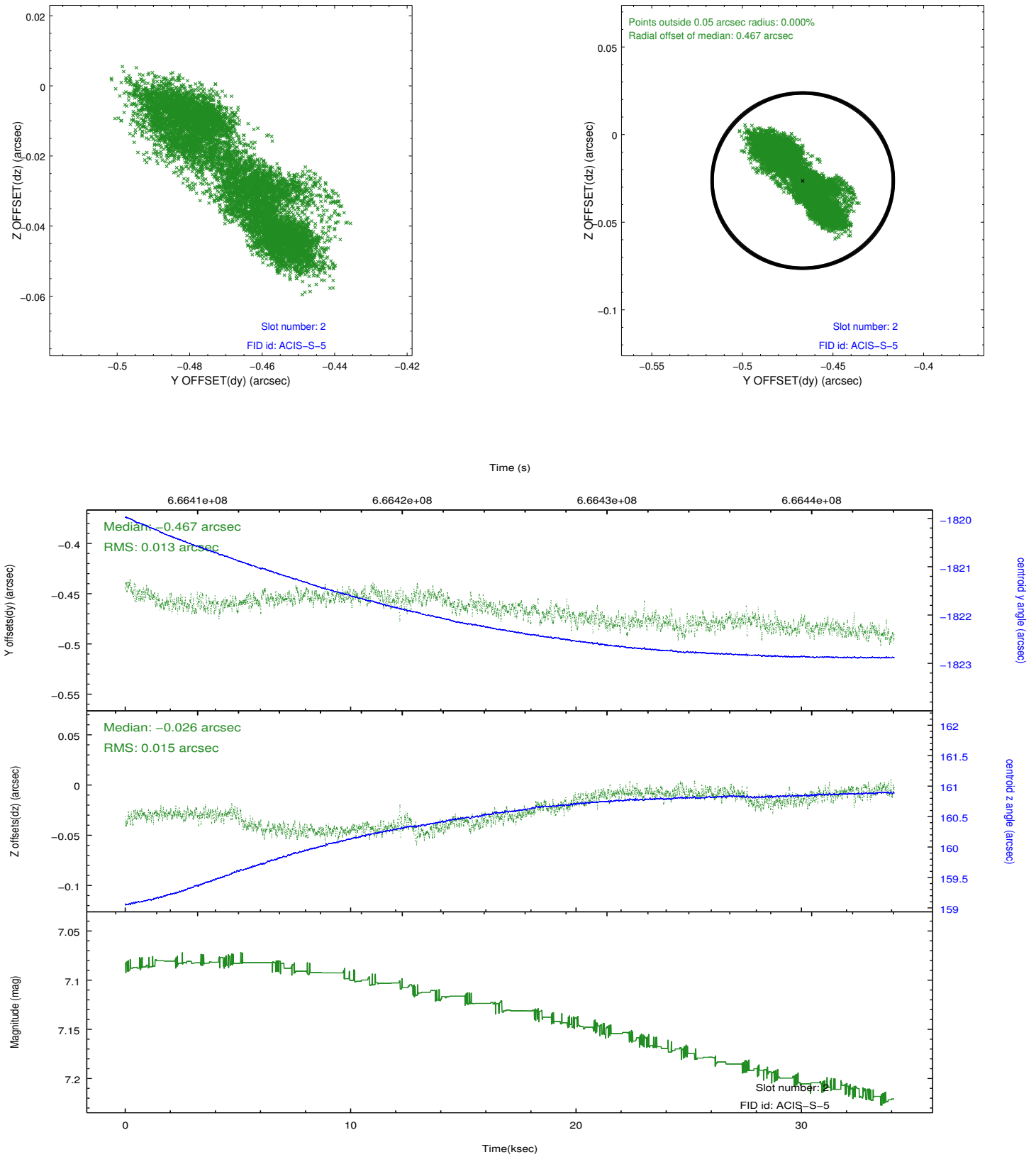
2.5.1 Slot 0



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)	2019.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.068098523259

A.2 Comments

Two optional chips were dropped.