

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6775 - L2 Version 3
Chandra X-Ray Center

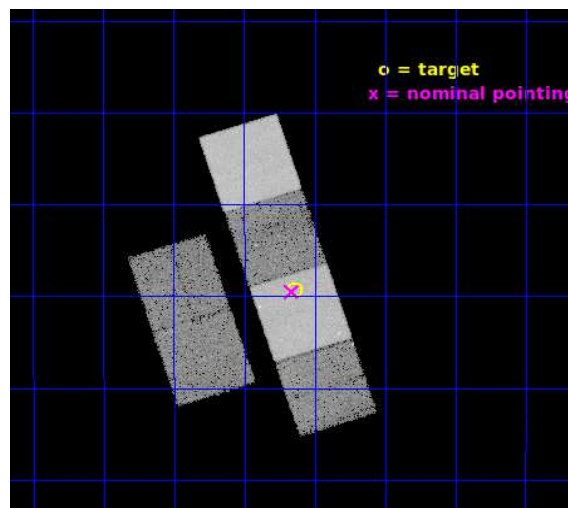
L2 Processing Date : Oct 11 2020

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1 Front

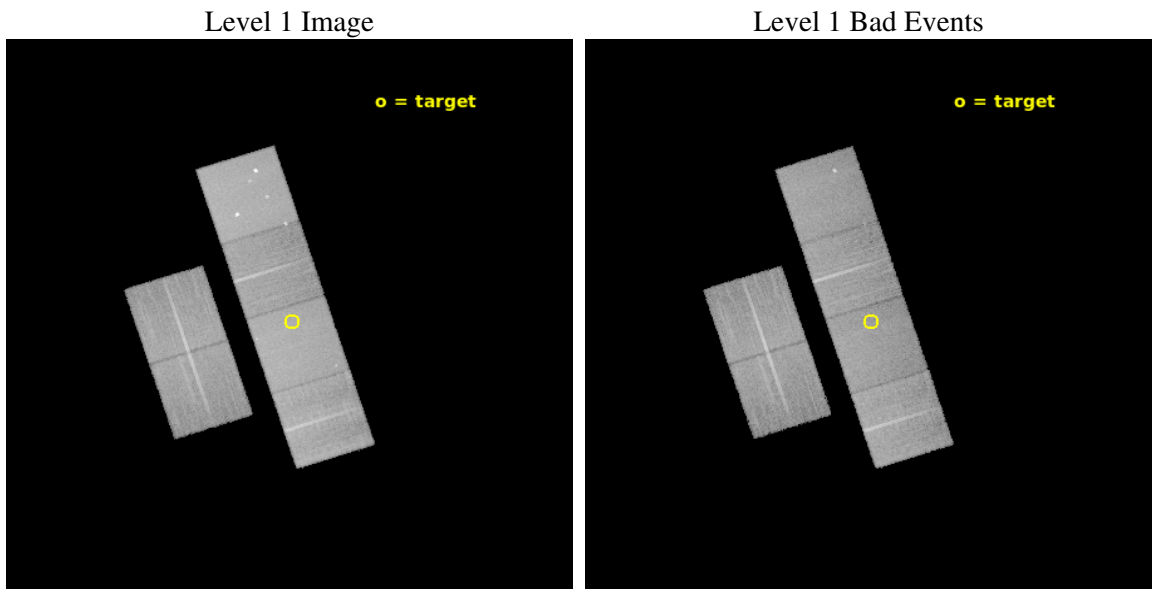
seq_num	701193	Sequence number
obs_id	6775	Observation id
title	Chandra follow-up of the tidal disruption in RXJ1242-1119	Proposal
observer	Dr. Peter Predehl	Principal investigator
object	RX J1242.6-1119	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.660417	Observer's specified target RA [deg]
dec_targ	-11.3225	Observer's specified target Dec [deg]
ra_nom	190.6652598187	Nominal RA [deg]
dec_nom	-11.324982245658	Nominal Dec [deg]
roll_nom	72.0386147357	Nominal Roll [deg]
revision	3	Processing version of data
ontime	17398.399935186	Sum of GTIs [s]
livetime	17178.090919148	Livetime [s]
ontime2	17398.399935186	Sum of GTIs [s]
ontime3	17398.399935186	Sum of GTIs [s]
ontime5	17398.399935186	Sum of GTIs [s]
ontime6	17398.399935186	Sum of GTIs [s]
ontime7	17398.399935186	Sum of GTIs [s]
ontime8	17395.158964902	Sum of GTIs [s]
l2events	227077	Number of level 2 events



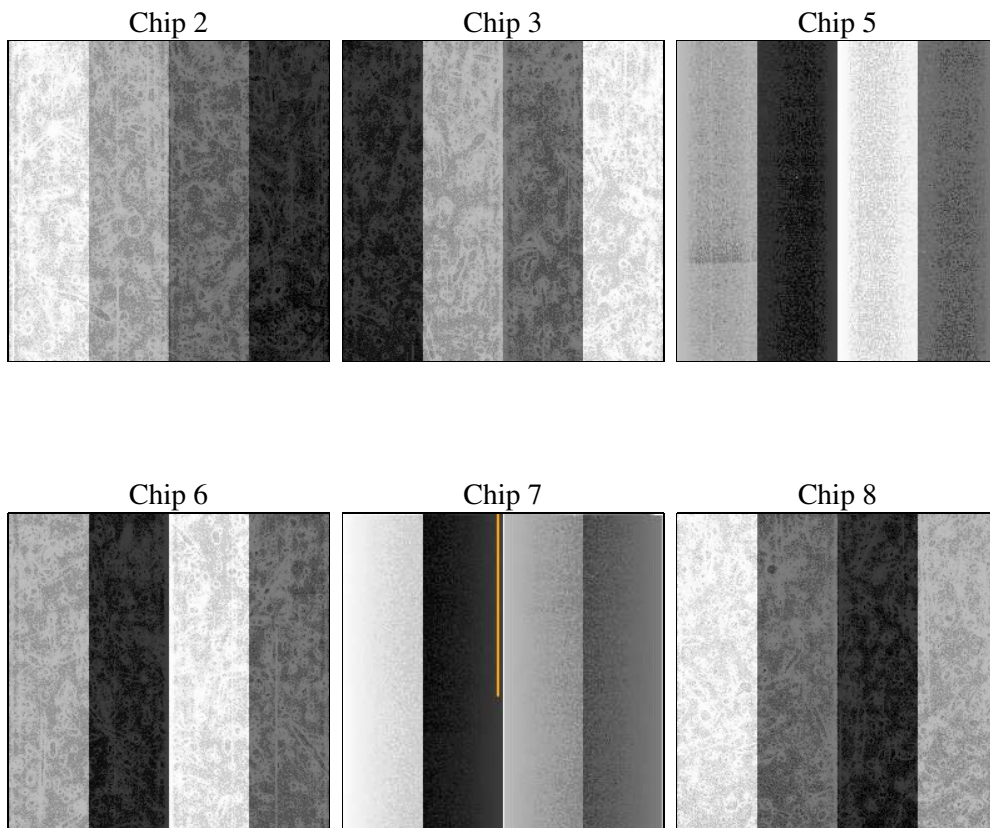
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17260.030000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	17398.399935186	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	17398.399935186	Sum of GTIs [s]
date	2020-10-11T17:40:18	Date and time of file creation	ontime3	17398.399935186	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	17398.399935186	Sum of GTIs [s]
			ontime6	17398.399935186	Sum of GTIs [s]
			ontime7	17398.399935186	Sum of GTIs [s]
			ontime8	17395.158964902	Sum of GTIs [s]
			l1events	1030118	Number of level 1 events

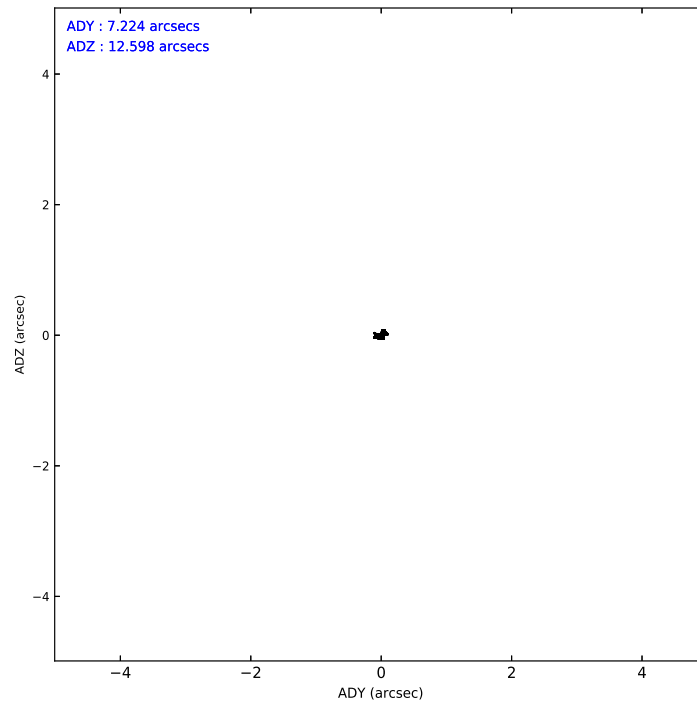
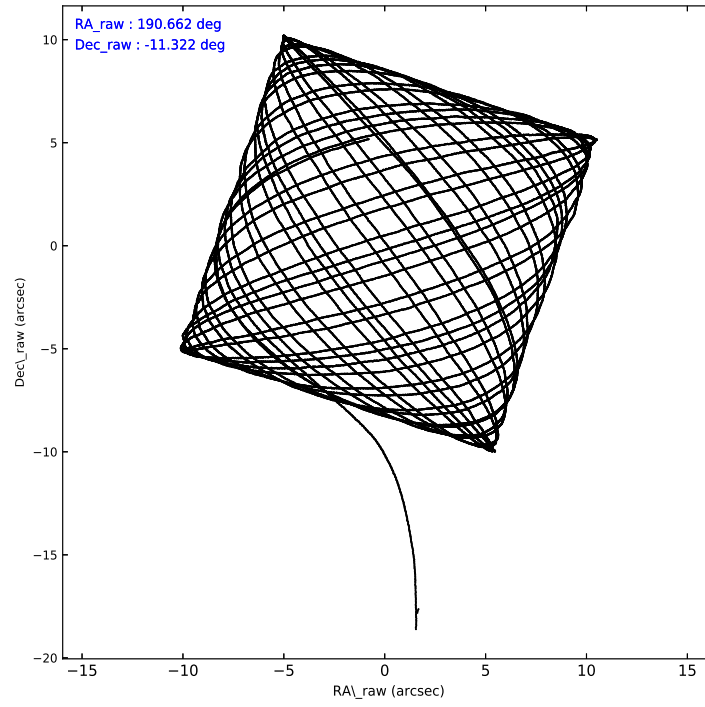
2.1.4 Events

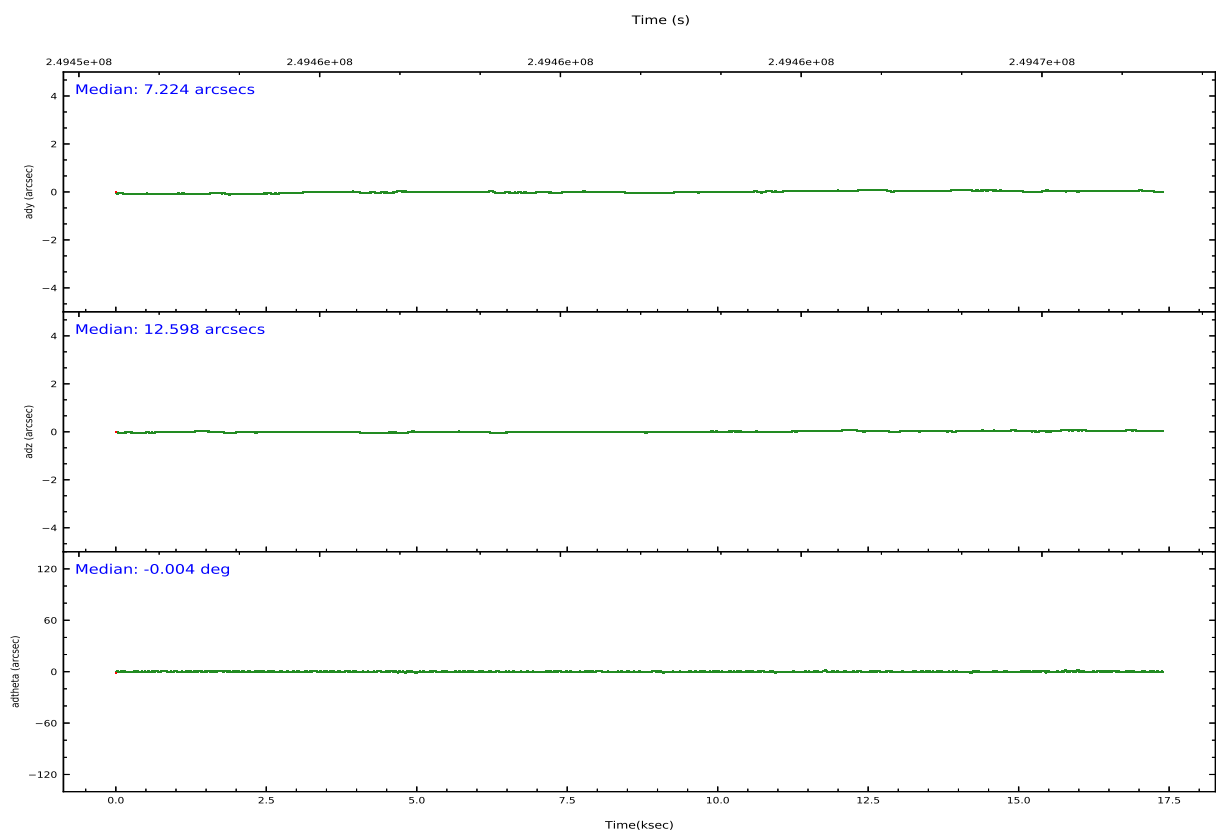
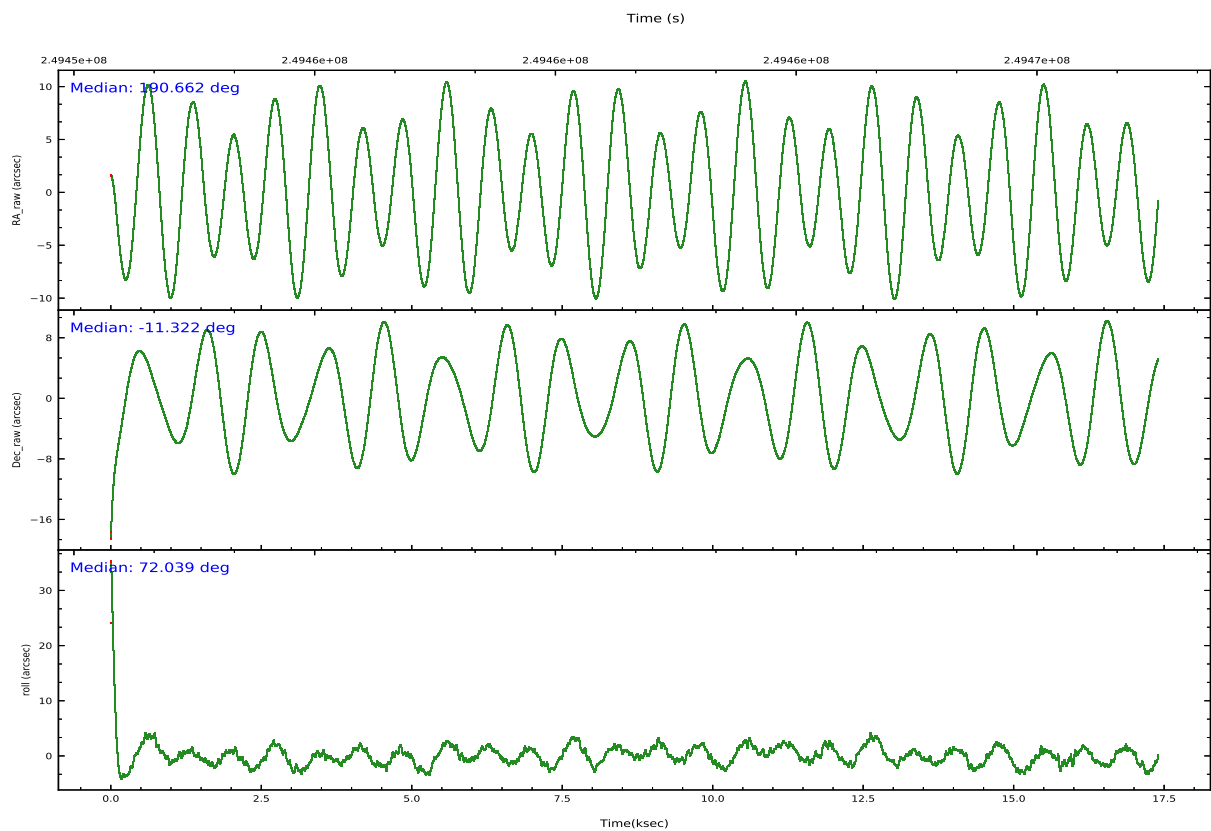
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	148563	134188	223490	143003	197662	183212	grade 0 events	7622	7339	12536	6820	7636	13077
rejected events	131749	117922	121566	126305	117593	143100		5%	5%	5%	4%	3%	7%
rejected %	88%	87%	54%	88%	59%	78%	grade 1 events	98	81	422	73	179	145
								0%	0%	0%	0%	0%	0%
							grade 2 events	3514	3258	32024	3673	16530	9012
								2%	2%	14%	2%	8%	4%
							grade 3 events	1598	1660	3784	1608	7151	4484
								1%	1%	1%	1%	3%	2%
							grade 4 events	1572	1599	3612	1643	7150	3986
								1%	1%	1%	1%	3%	2%
							grade 5 events	5500	6362	16095	6686	18510	8888
								3%	4%	7%	4%	9%	4%
							grade 6 events	2944	2871	52710	3403	43825	10672
								1%	2%	23%	2%	22%	5%
							grade 7 events	125715	111018	102307	119097	96681	132948
								84%	82%	45%	83%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	190.668588	190.6652598187	Subarray requested	NONE	NONE
[deg] Pointing Dec	-11.348385	-11.324982245658	Alternating exposures requested	N	N
[deg] Pointing Roll	71.884602	72.03861473569999	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	249452755.184000	249451466.21423			
Observation start date	2005-11-27T04:24:51	2005-11-27T04:04:26			
[s] Observation end time (MET)	249470015.184000	249470242.16509			
Observation end date	2005-11-27T09:12:31	2005-11-27T09:17:22			
Read mode	TIMED	TIMED			

2.3 Aspect



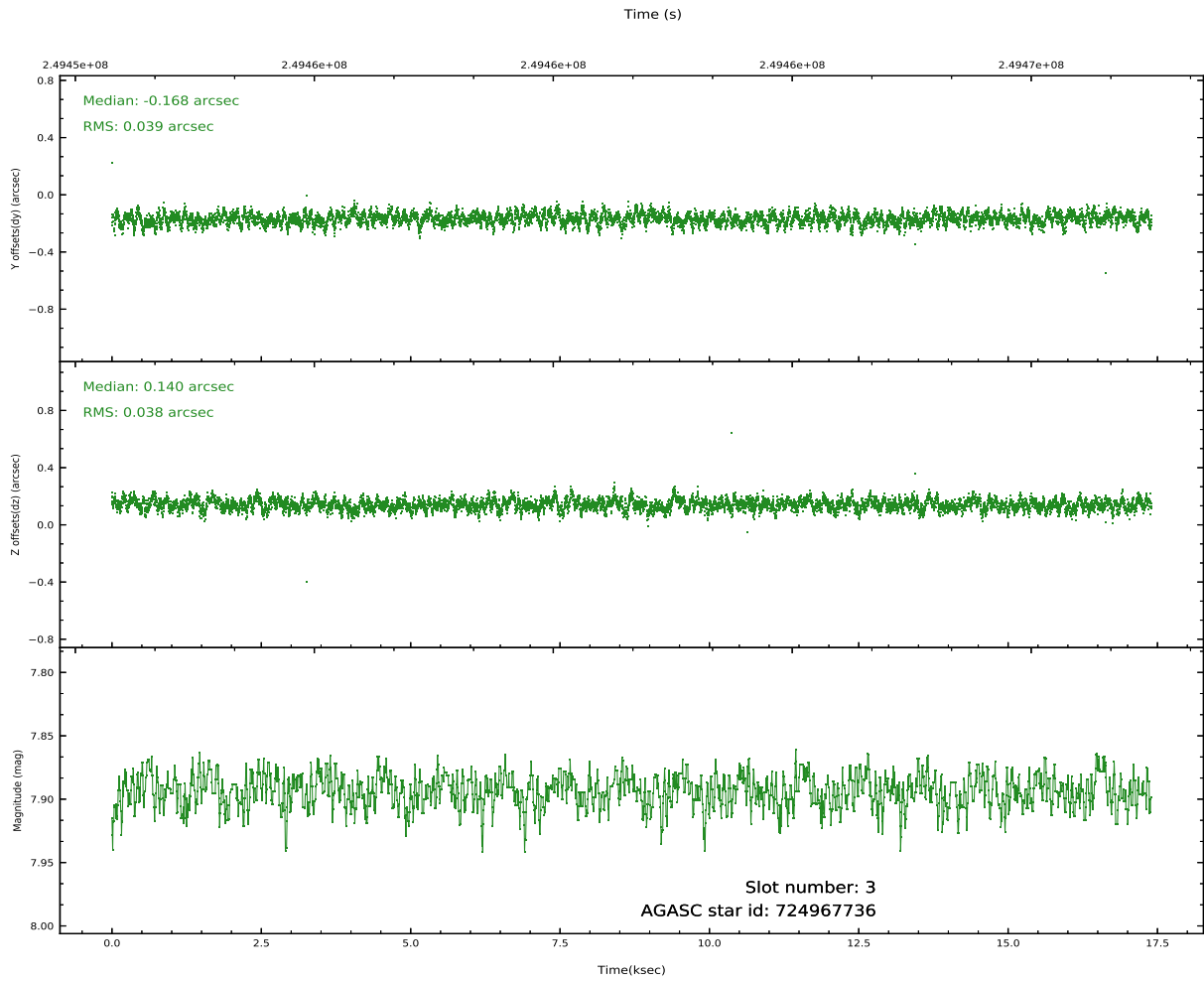
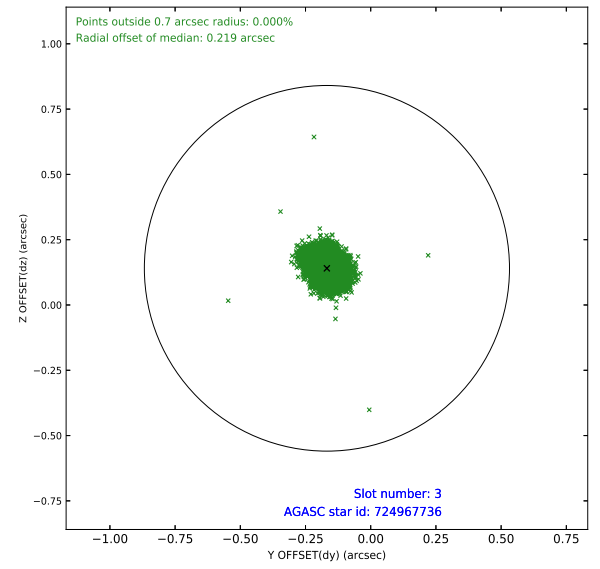
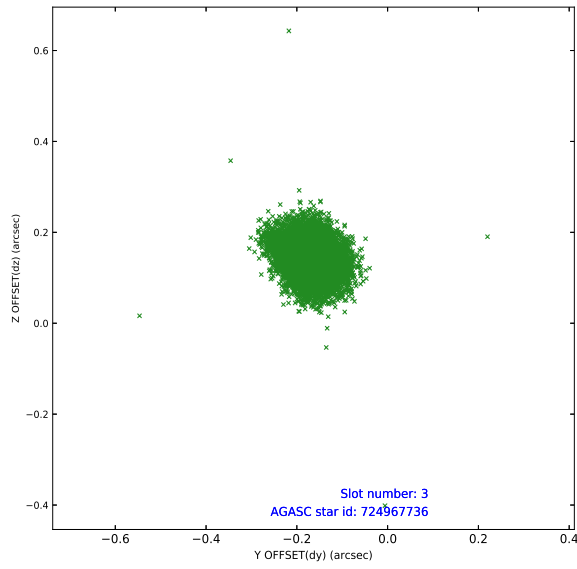


Slot Statistics

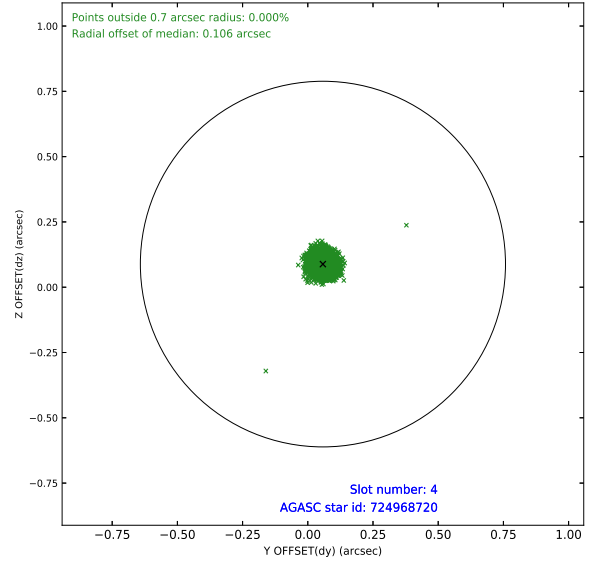
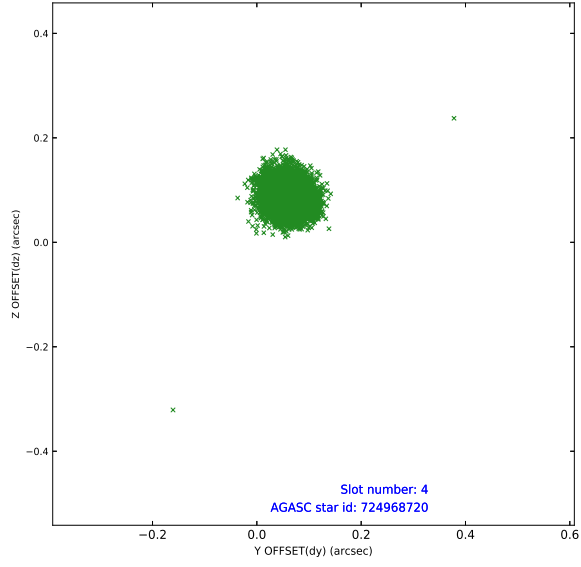
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	4245	1.000	-0.047	-0.079	0.007	0.011	0.000000	0.000000	-760.01	-1733
1	FID		ACIS-S-4	7.20	4245	1.000	0.134	0.044	0.005	0.010	0.000000	0.000000	2153.32	174
2	FID		ACIS-S-5	7.23	4245	1.000	-0.118	0.044	0.007	0.012	0.000000	0.000000	-1812.63	168
3	GUIDE	used	724967736	7.89	8487	1.000	-0.168	0.140	0.058	0.092	191.267974	-10.999423	1850.99	-1622
4	GUIDE	used	724968720	6.29	8488	1.000	0.058	0.089	0.036	0.057	190.948727	-12.014224	-1971.24	-1683
5	GUIDE	used	724969752	8.54	8484	1.000	-0.002	0.080	0.057	0.095	191.101692	-11.318790	575.87	-1420
6	GUIDE	used	724970568	9.28	8484	1.000	0.177	-0.196	0.083	0.133	190.273943	-11.584336	-1240.60	1058
7	GUIDE	used	724971048	8.80	8484	1.000	-0.065	-0.112	0.066	0.107	190.547082	-11.185183	424.75	590

2.4 Star Slots

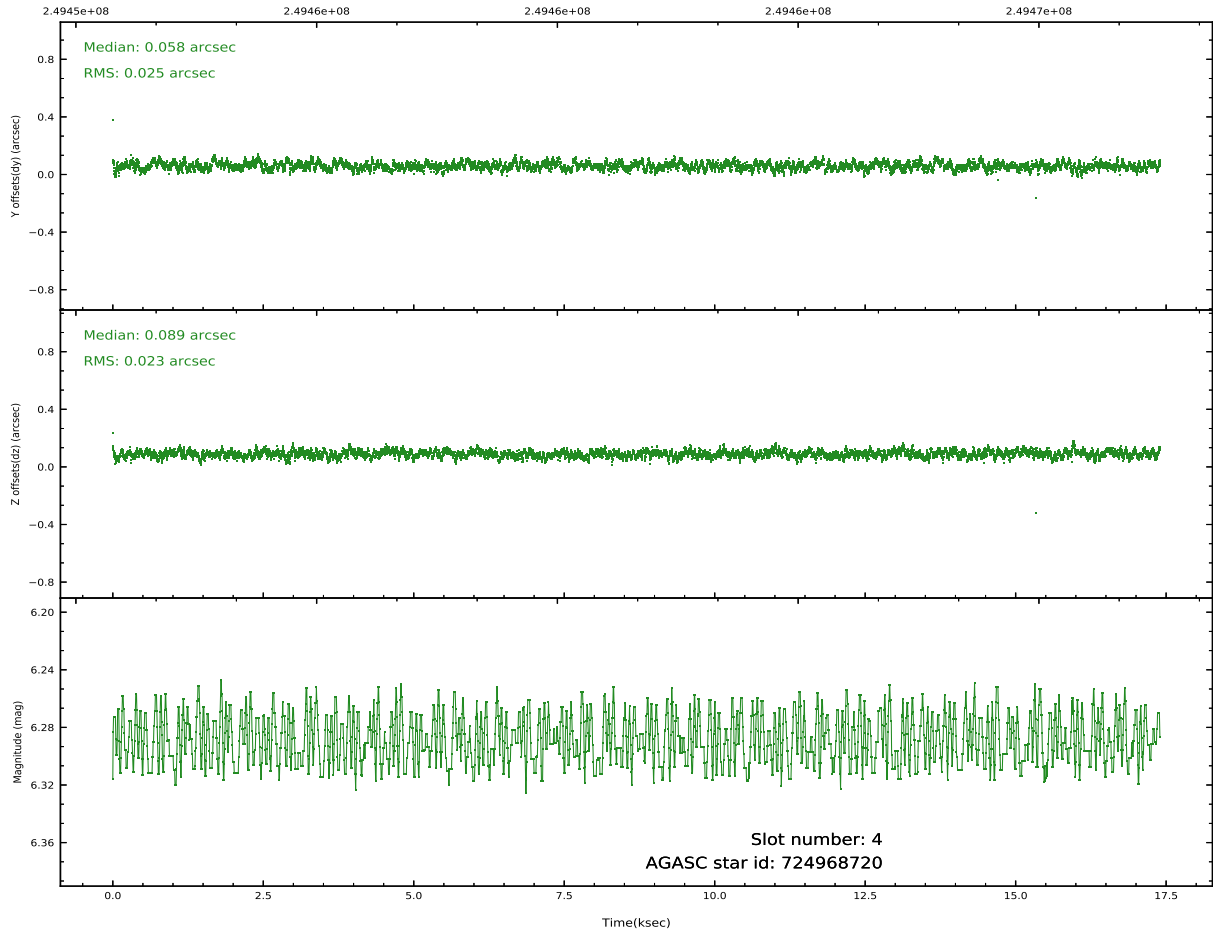
2.4.1 Slot 3



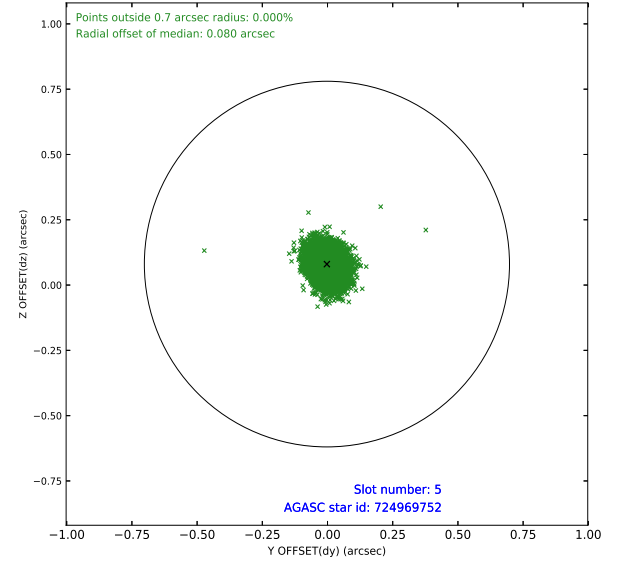
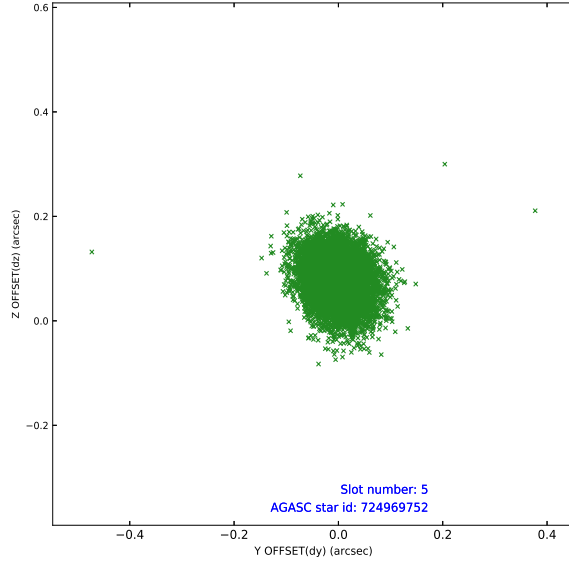
2.4.2 Slot 4



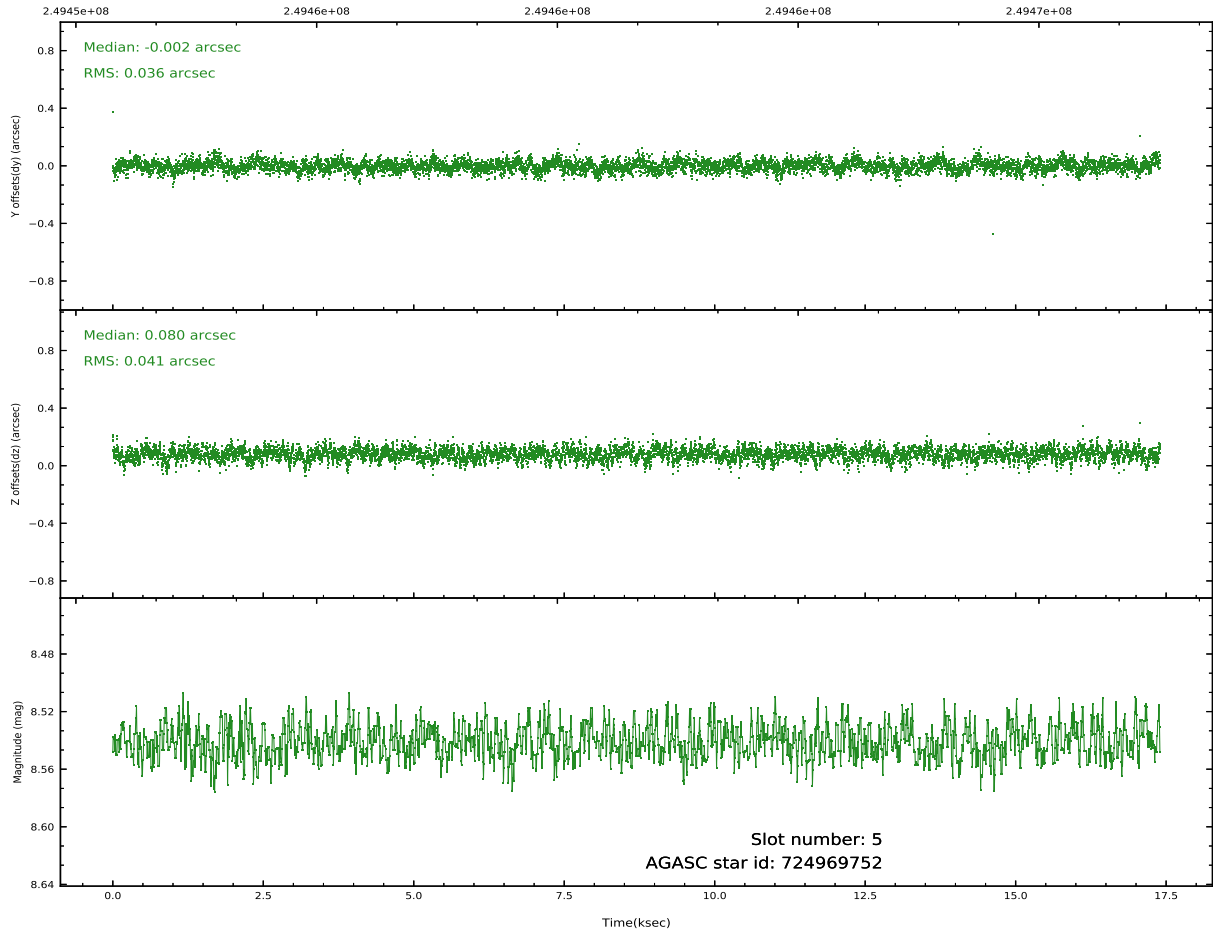
Time (s)



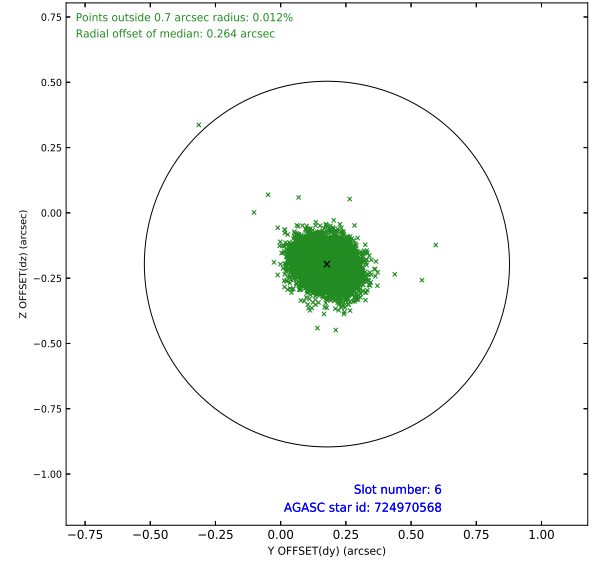
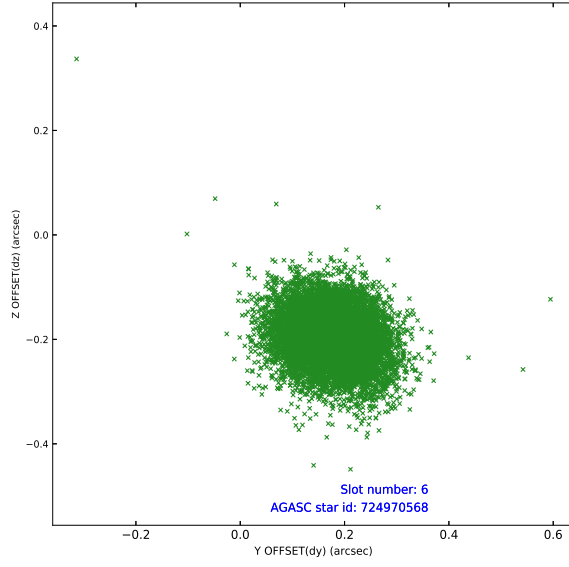
2.4.3 Slot 5



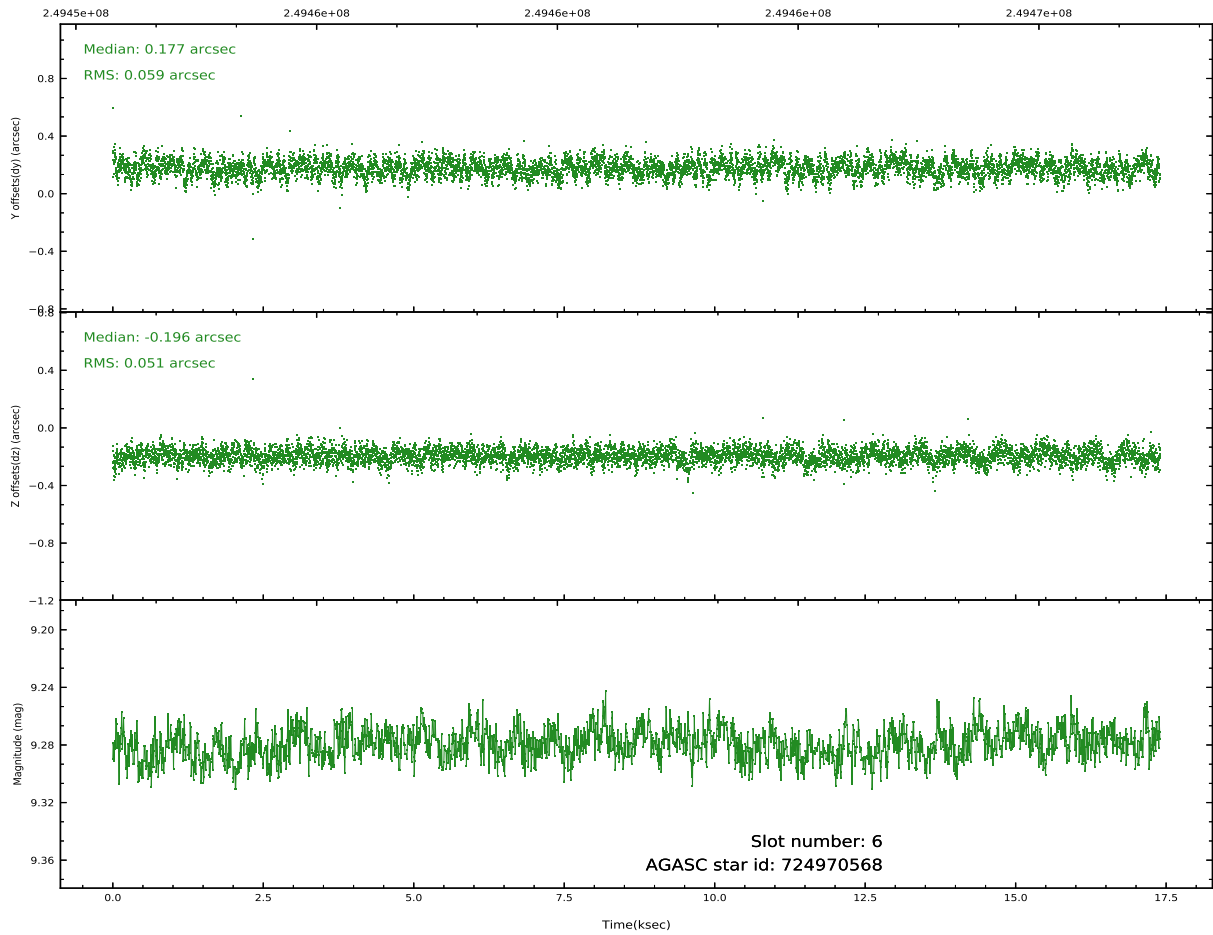
Time (s)



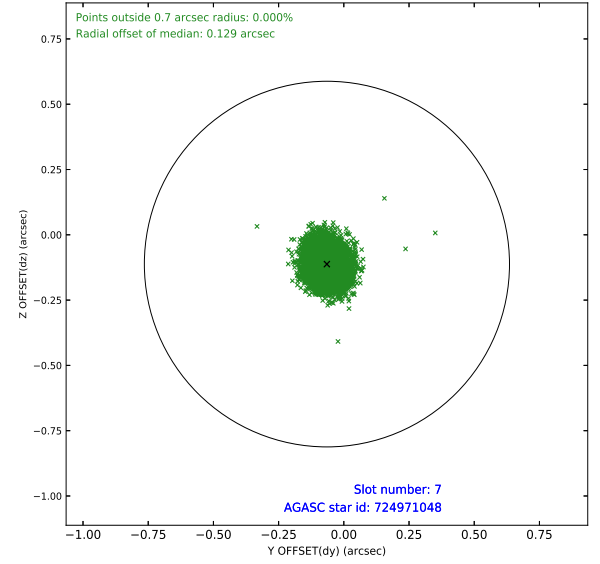
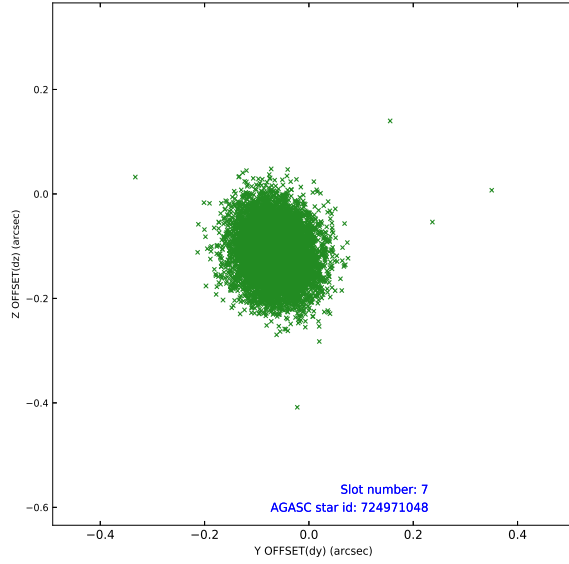
2.4.4 Slot 6



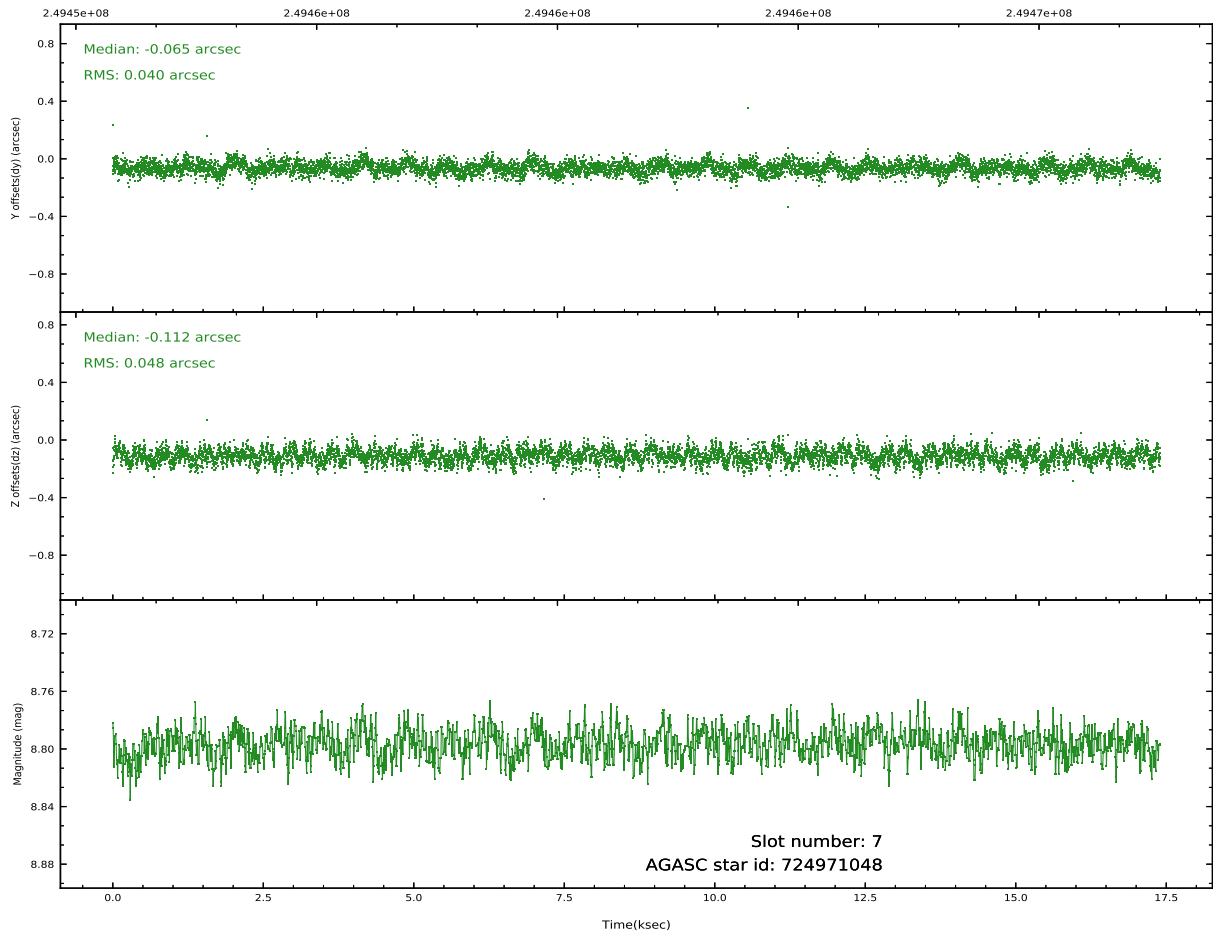
Time (s)



2.4.5 Slot 7

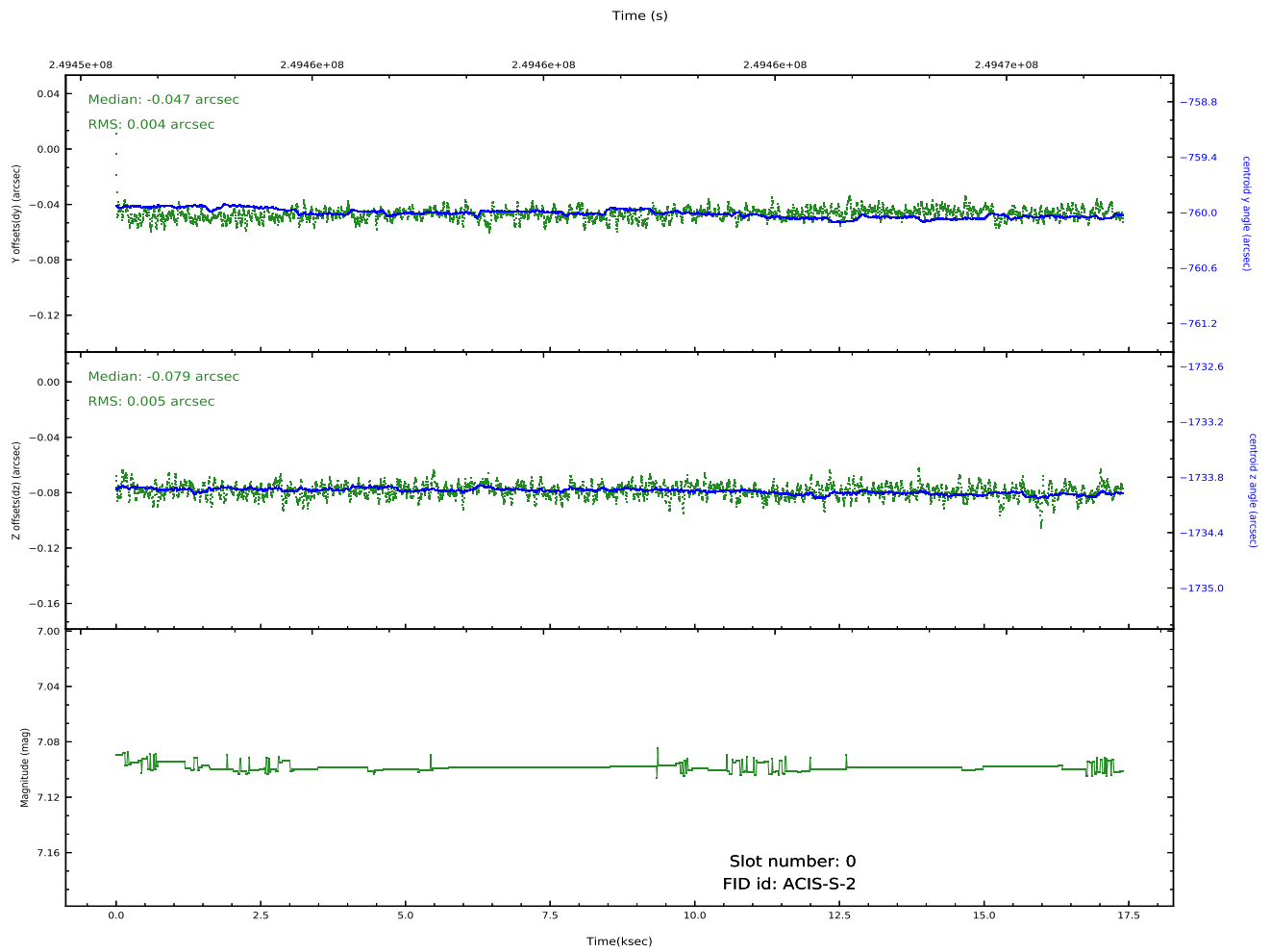
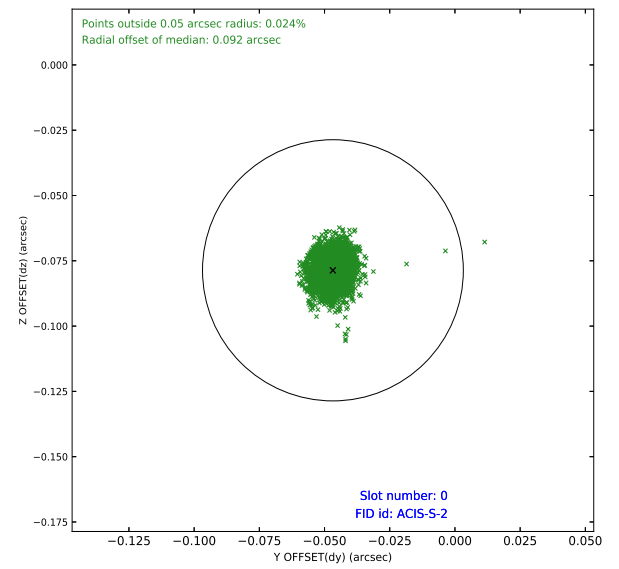
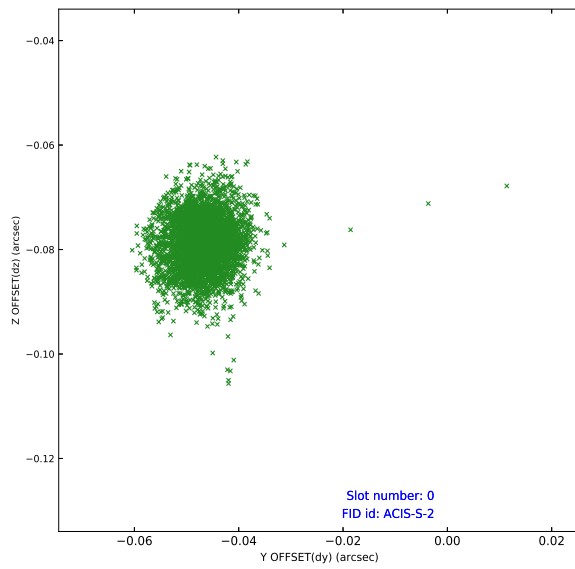


Time (s)

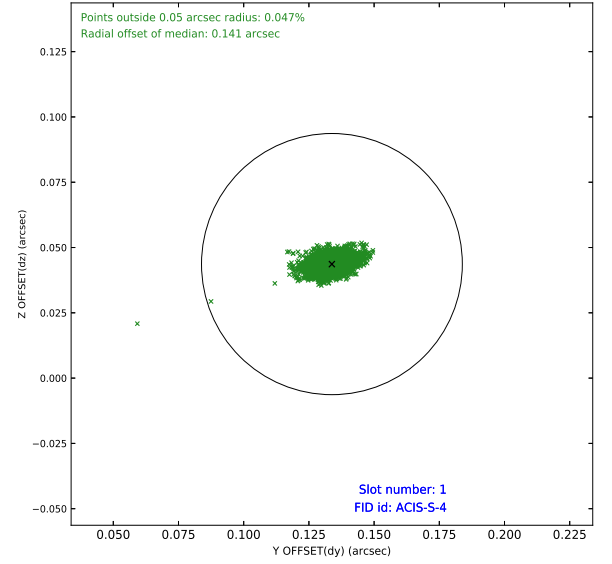
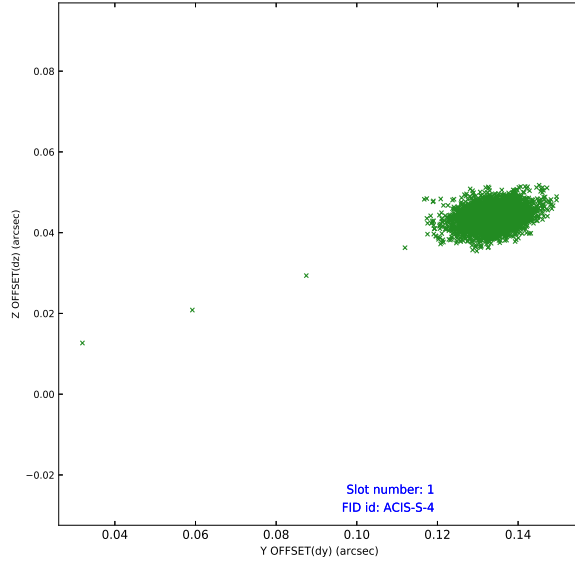


2.5 FID Slots

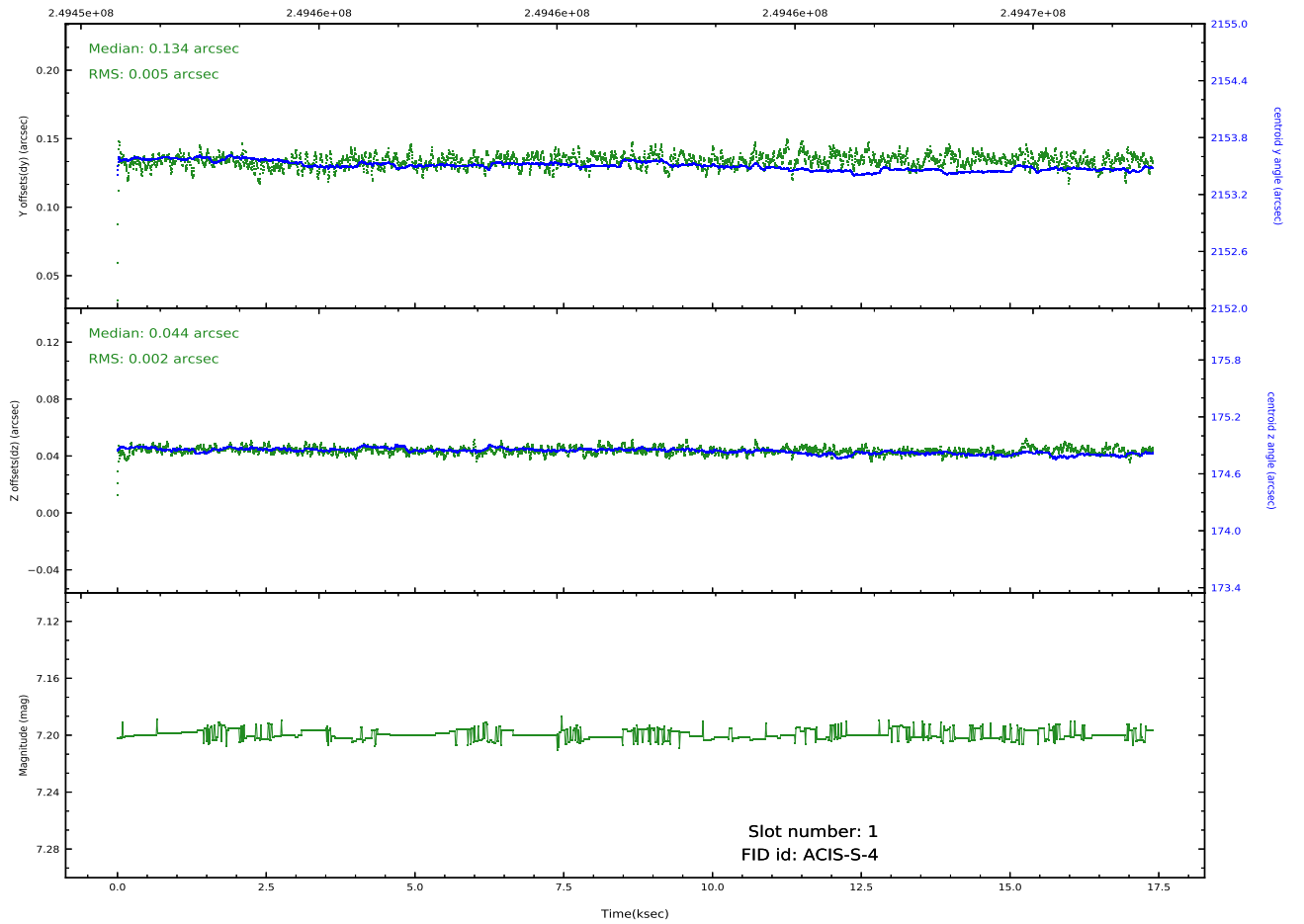
2.5.1 Slot 0



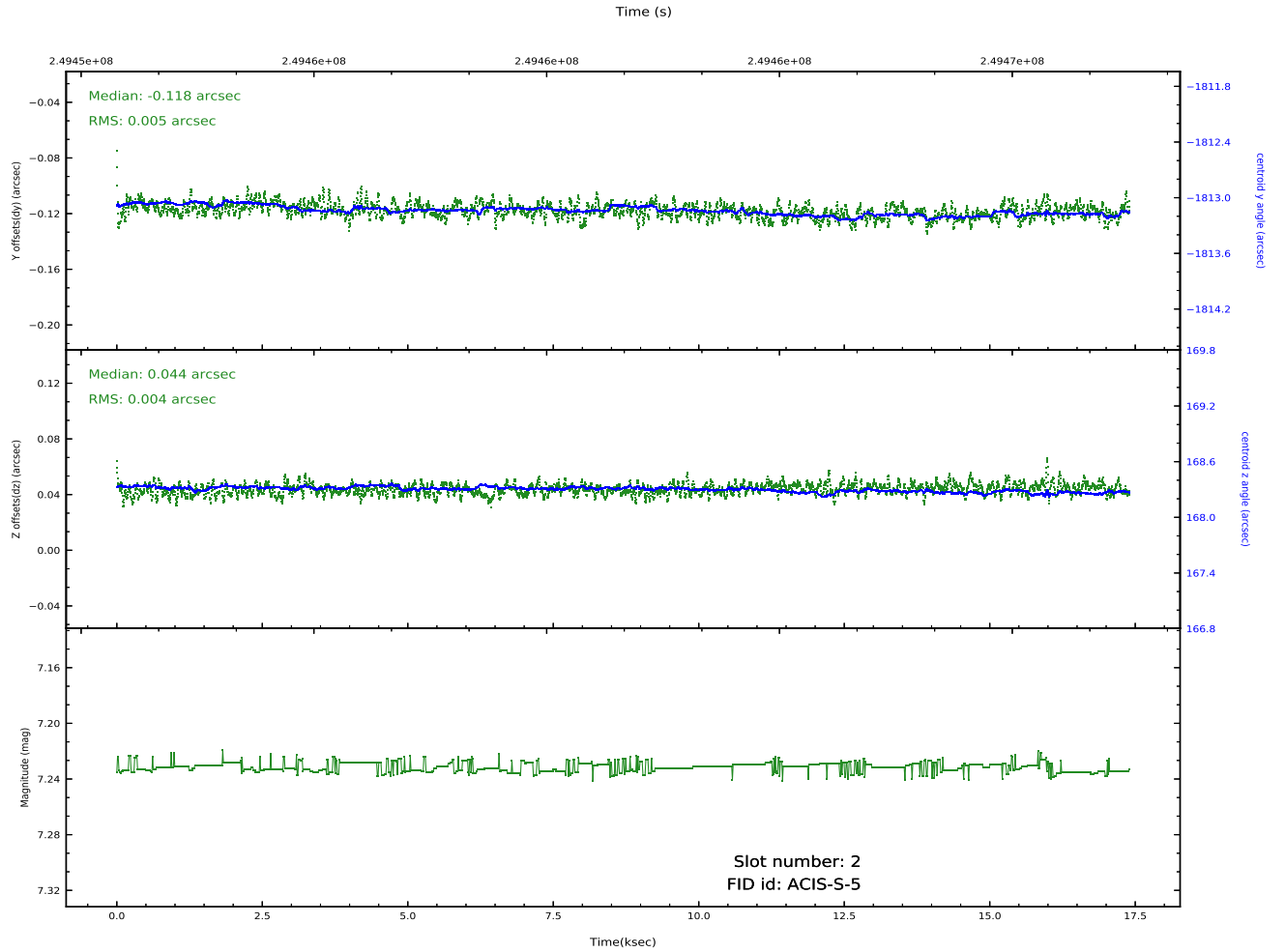
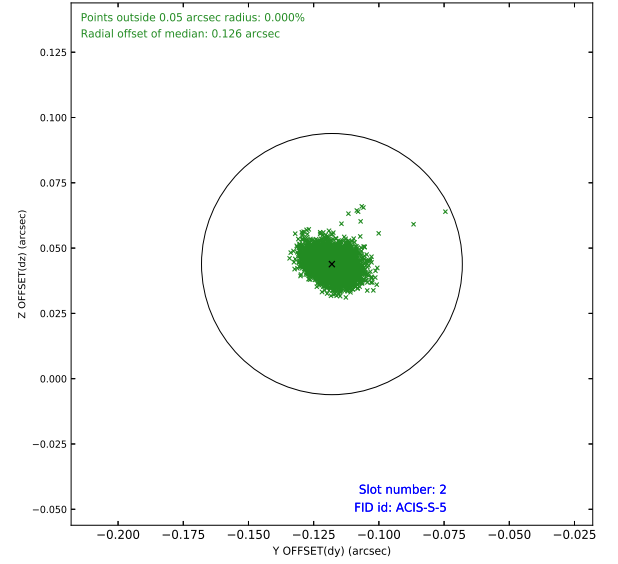
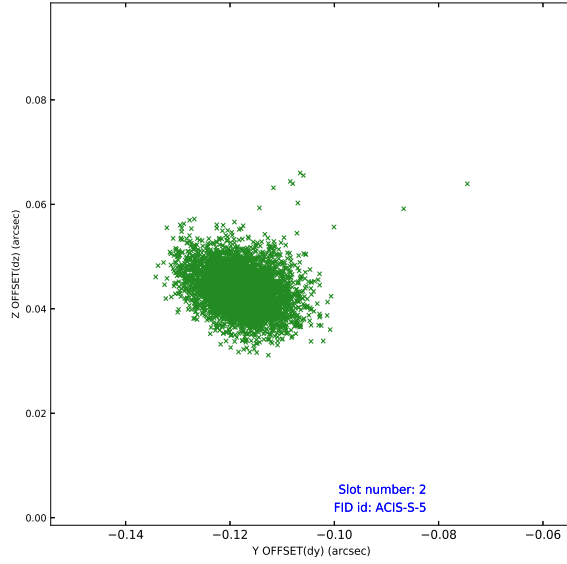
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.39839

A.2 Comments