

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6274 - L2 Version 4
Chandra X-Ray Center

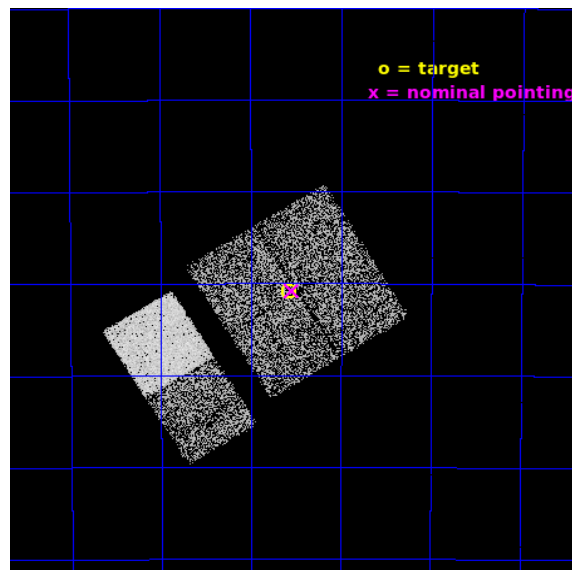
L2 Processing Date : Oct 9 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

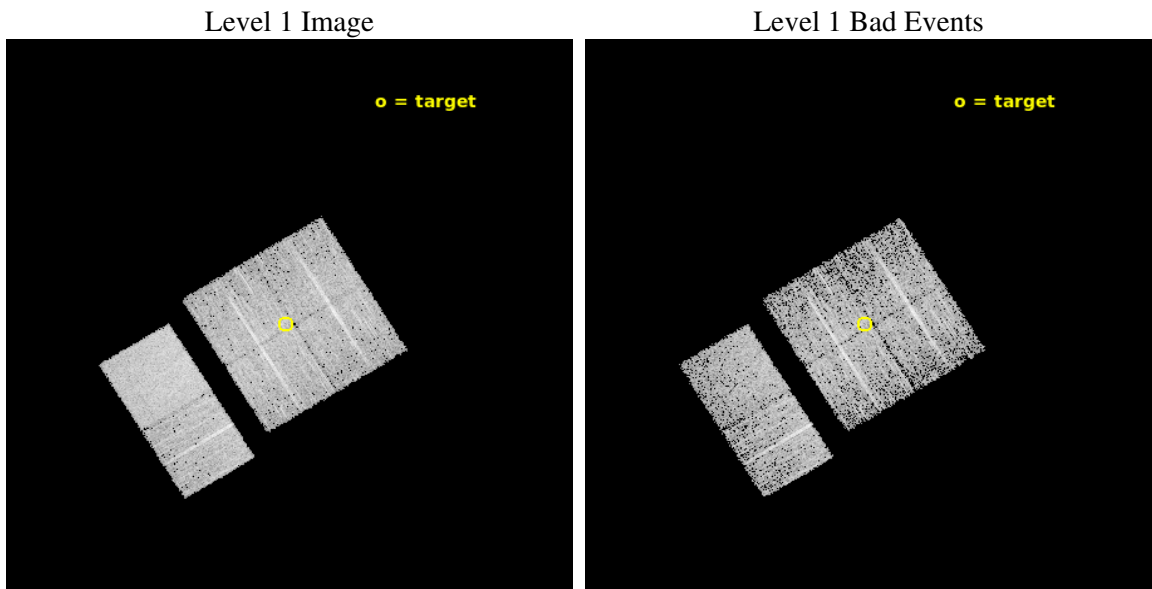
seq_num	701176	Sequence number
obs_id	6274	Observation id
title	Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Prof. Rashid Sunyaev	Principal investigator
object	IGR J11085-5100	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	167.144167	Observer's specified target RA [deg]
dec_targ	-51.014	Observer's specified target Dec [deg]
ra_nom	167.13601839824	Nominal RA [deg]
dec_nom	-51.013234438932	Nominal Dec [deg]
roll_nom	238.36213693079	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3676.7999863029	Sum of GTIs [s]
livetime	3630.2421309731	Livetime [s]
ontime0	3676.7999863029	Sum of GTIs [s]
ontime1	3676.7999863029	Sum of GTIs [s]
ontime2	3676.7999863029	Sum of GTIs [s]
ontime3	3676.7999863029	Sum of GTIs [s]
ontime6	3676.7999863029	Sum of GTIs [s]
ontime7	3676.7999863029	Sum of GTIs [s]
l2events	30410	Number of level 2 events



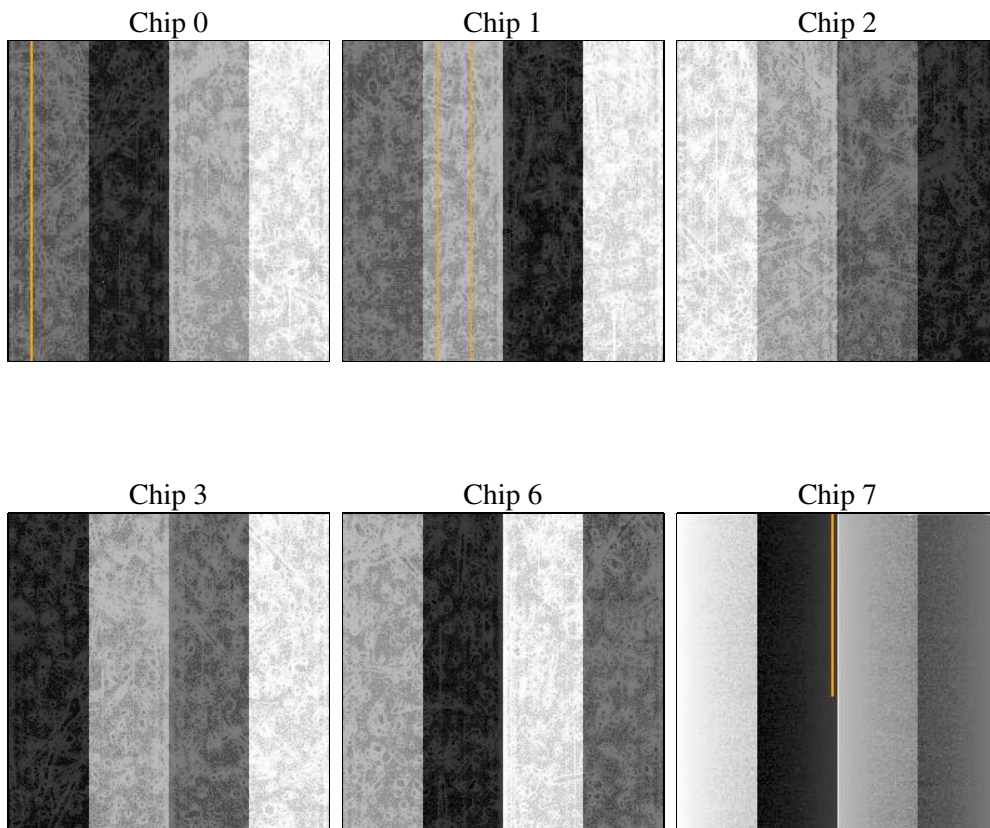
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3676.7999863029	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	3676.7999863029	Sum of GTIs [s]
date	2020-10-09T07:29:05	Date and time of file creation	ontime1	3676.7999863029	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	3676.7999863029	Sum of GTIs [s]
			ontime3	3676.7999863029	Sum of GTIs [s]
			ontime6	3676.7999863029	Sum of GTIs [s]
			ontime7	3676.7999863029	Sum of GTIs [s]
			l1events	181856	Number of level 1 events

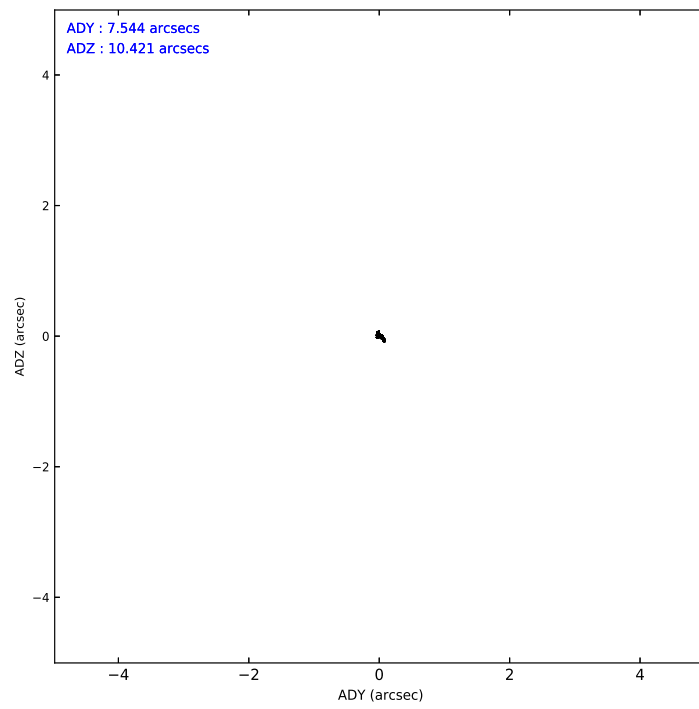
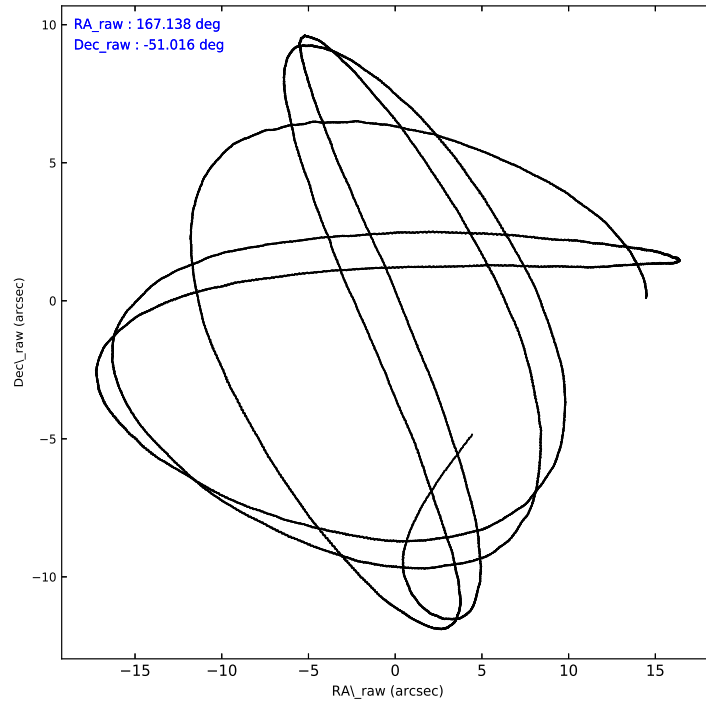
2.1.4 Events

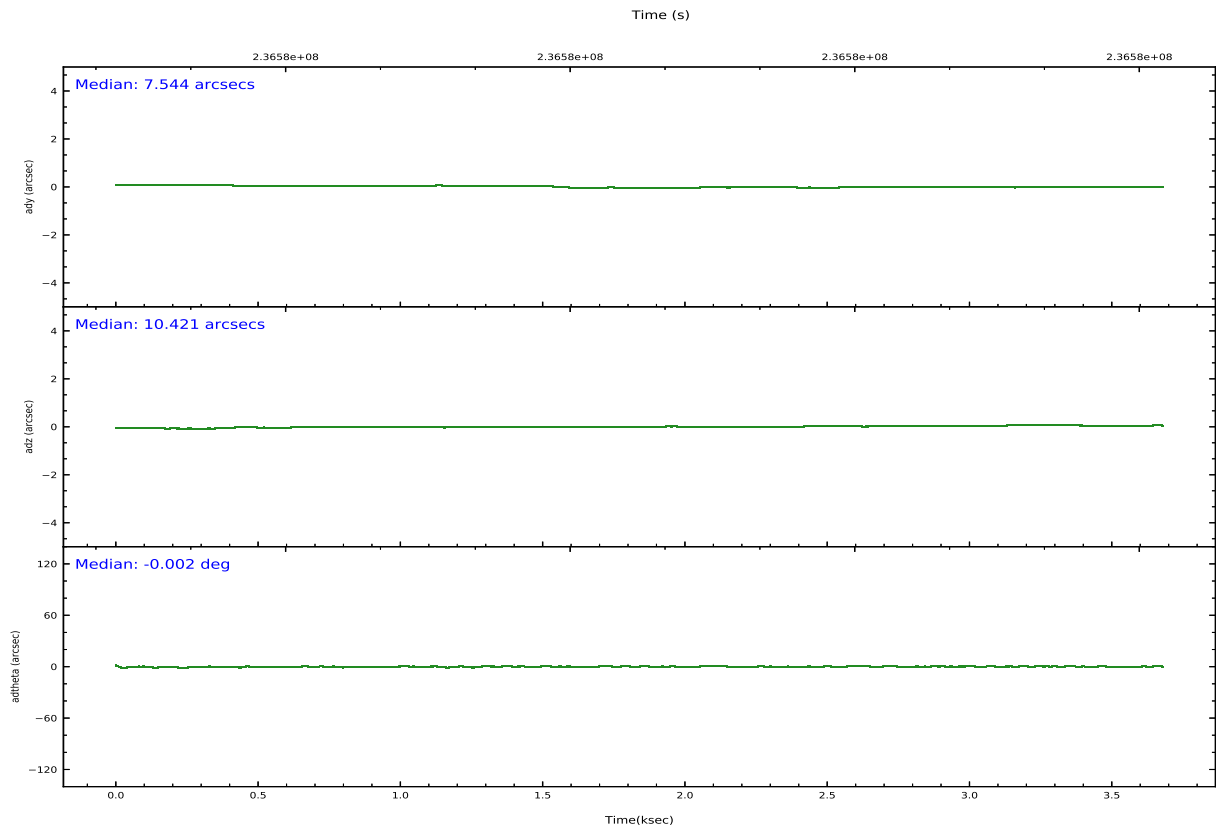
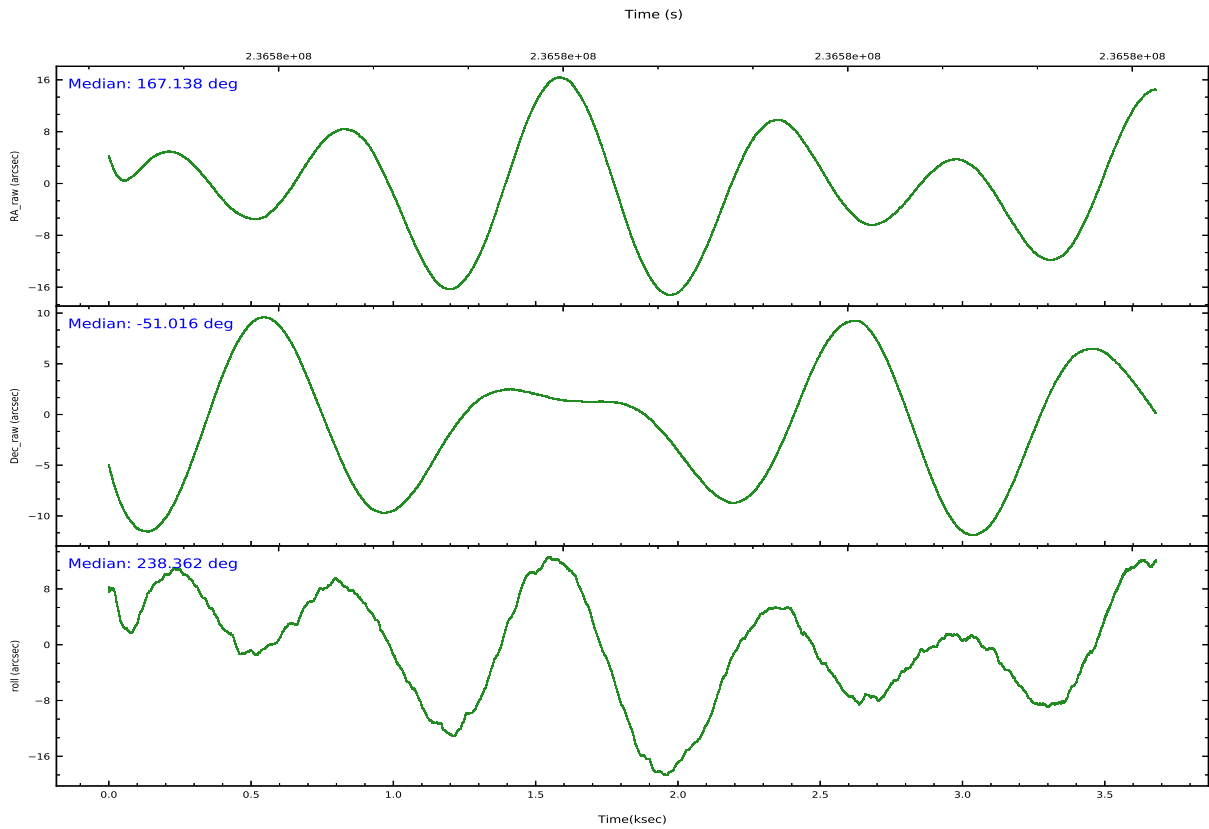
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	27044	26486	29807	28208	30576	39735	grade 0 events	1526	1451	1557	1376	1356	1435
rejected events	23557	22878	26299	24899	27082	23769		5%	5%	5%	4%	4%	3%
rejected %	87%	86%	88%	88%	88%	59%	grade 1 events	14	8	19	16	15	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	757	835	754	714	761	3153
								2%	3%	2%	2%	2%	7%
							grade 3 events	334	358	331	294	371	1406
								1%	1%	1%	1%	1%	3%
							grade 4 events	313	335	327	333	316	1402
								1%	1%	1%	1%	1%	3%
							grade 5 events	1209	1299	1182	1331	1418	3789
								4%	4%	3%	4%	4%	9%
							grade 6 events	601	679	589	647	738	8814
								2%	2%	1%	2%	2%	22%
							grade 7 events	22290	21521	25048	23497	25601	19693
								82%	81%	84%	83%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	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	167.139225	167.13601839824	Subarray requested	NONE	NONE
[deg] Pointing Dec	-50.989308	-51.013234438932	Alternating exposures requested	N	N
[deg] Pointing Roll	238.162462	238.36213693079	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	236577585.184000	236576492.38507			
Observation start date	2005-07-01T03:58:41	2005-07-01T03:41:32			
[s] Observation end time (MET)	236581085.184000	236581857.74781			
Observation end date	2005-07-01T04:57:01	2005-07-01T05:10:57			
Read mode	TIMED	TIMED			

2.3 Aspect





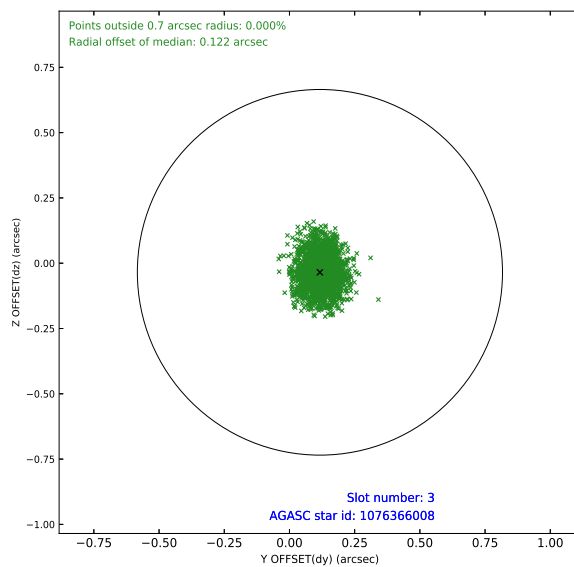
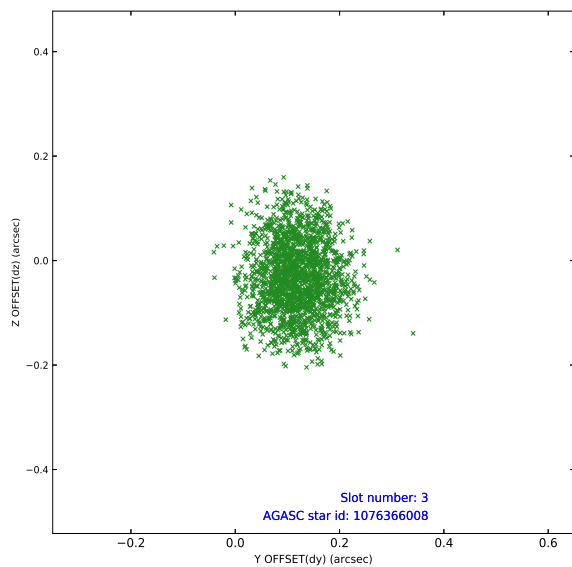
Slot Statistics

pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	898	1.000	0.034	-0.032	0.007	0.012	0.000000	0.000000	932.15	-833
1	FID		ACIS-I-5	7.23	899	1.000	-0.220	0.030	0.006	0.012	0.000000	0.000000	-1815.27	1062
2	FID		ACIS-I-6	7.25	898	1.000	0.094	0.072	0.007	0.011	0.000000	0.000000	395.89	1709
3	GUIDE	used	1076366008	9.15	1796	1.000	0.117	-0.035	0.092	0.143	167.117557	-51.158632	544.15	279
4	GUIDE	used	1076383272	6.22	1797	1.000	0.078	0.056	0.055	0.084	166.523920	-51.212923	1422.01	-750
5	GUIDE	used	1075839528	9.41	1794	1.000	-0.082	0.103	0.089	0.144	167.600273	-50.443040	-2224.37	-138
6	GUIDE	used	1076366088	9.64	1793	1.000	-0.013	-0.106	0.145	0.231	165.955573	-50.887204	1123.85	-2466
7	GUIDE	used	1076371224	9.70	1795	1.000	-0.112	-0.027	0.118	0.192	168.213830	-51.153111	-763.56	2380

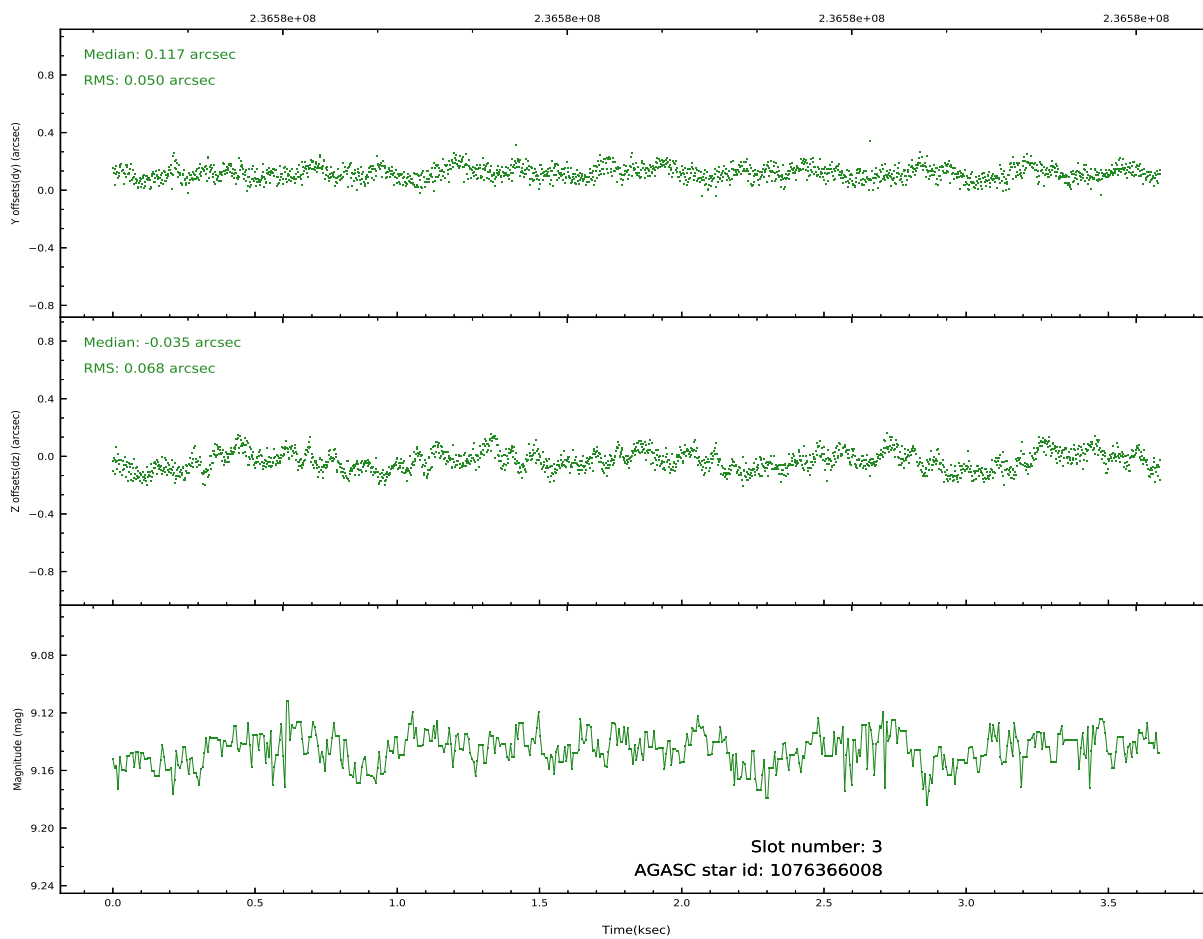
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2.4 Star Slots

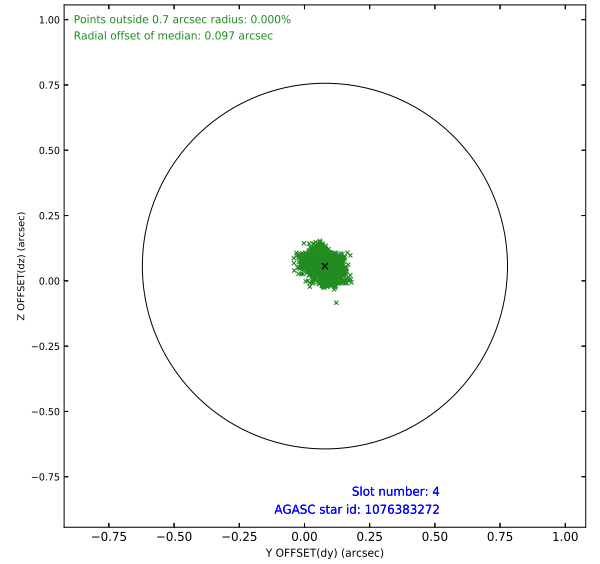
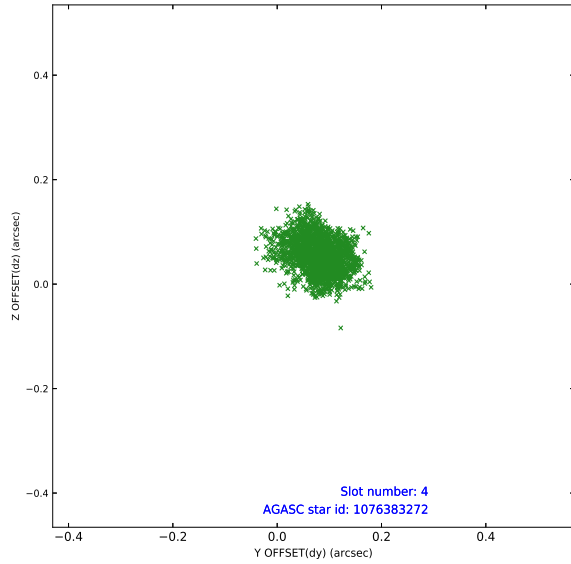
2.4.1 Slot 3



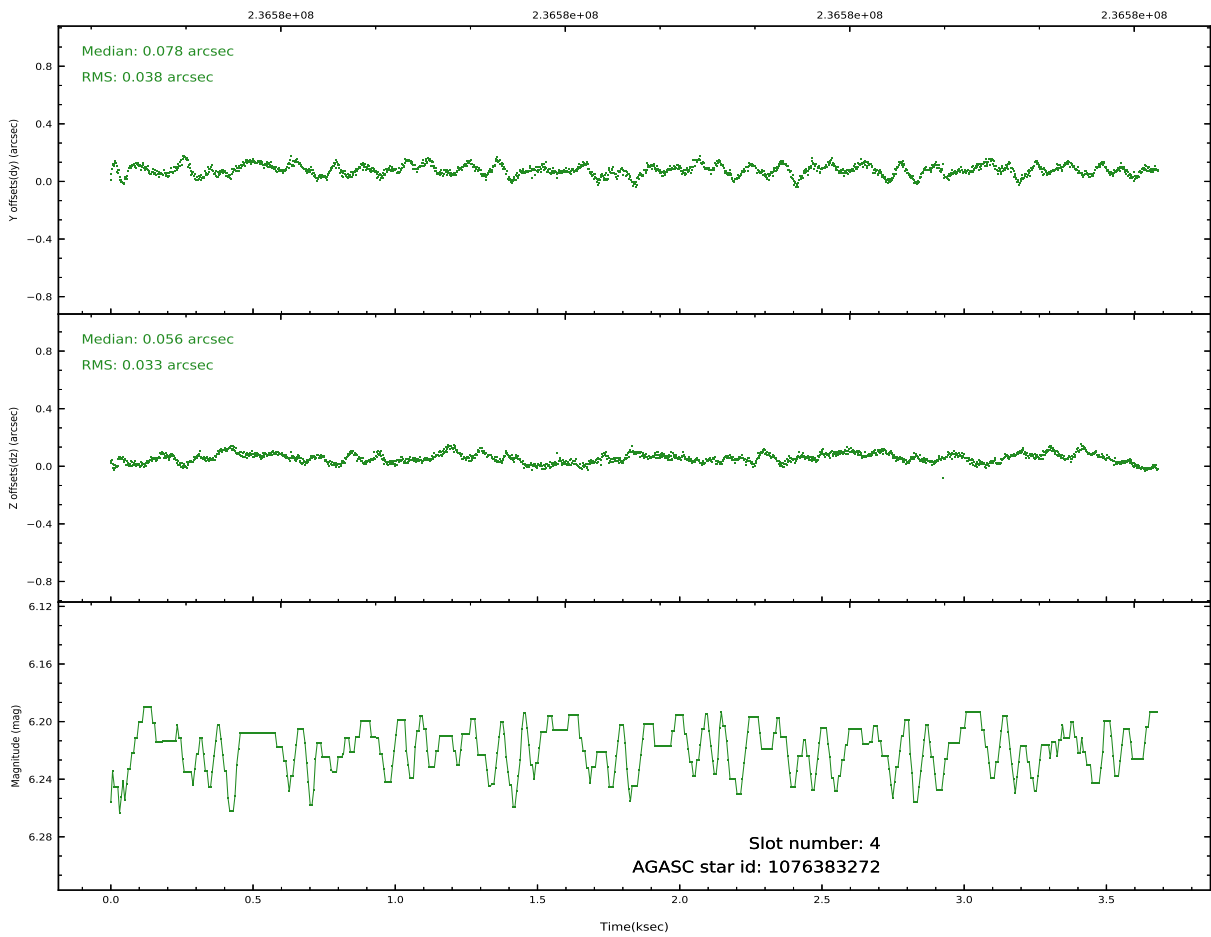
Time (s)



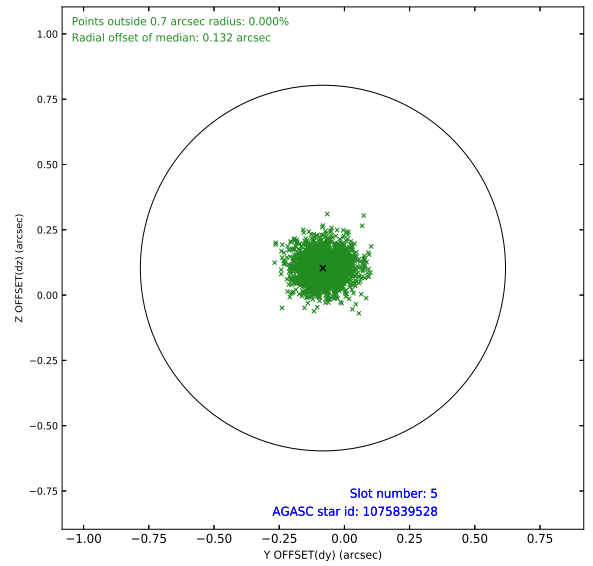
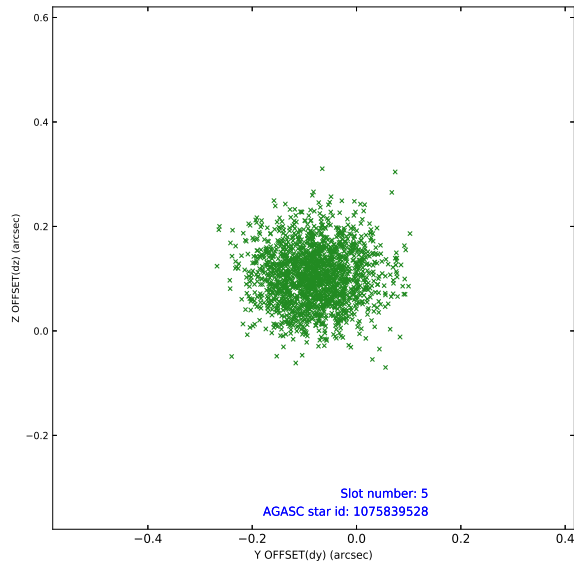
2.4.2 Slot 4



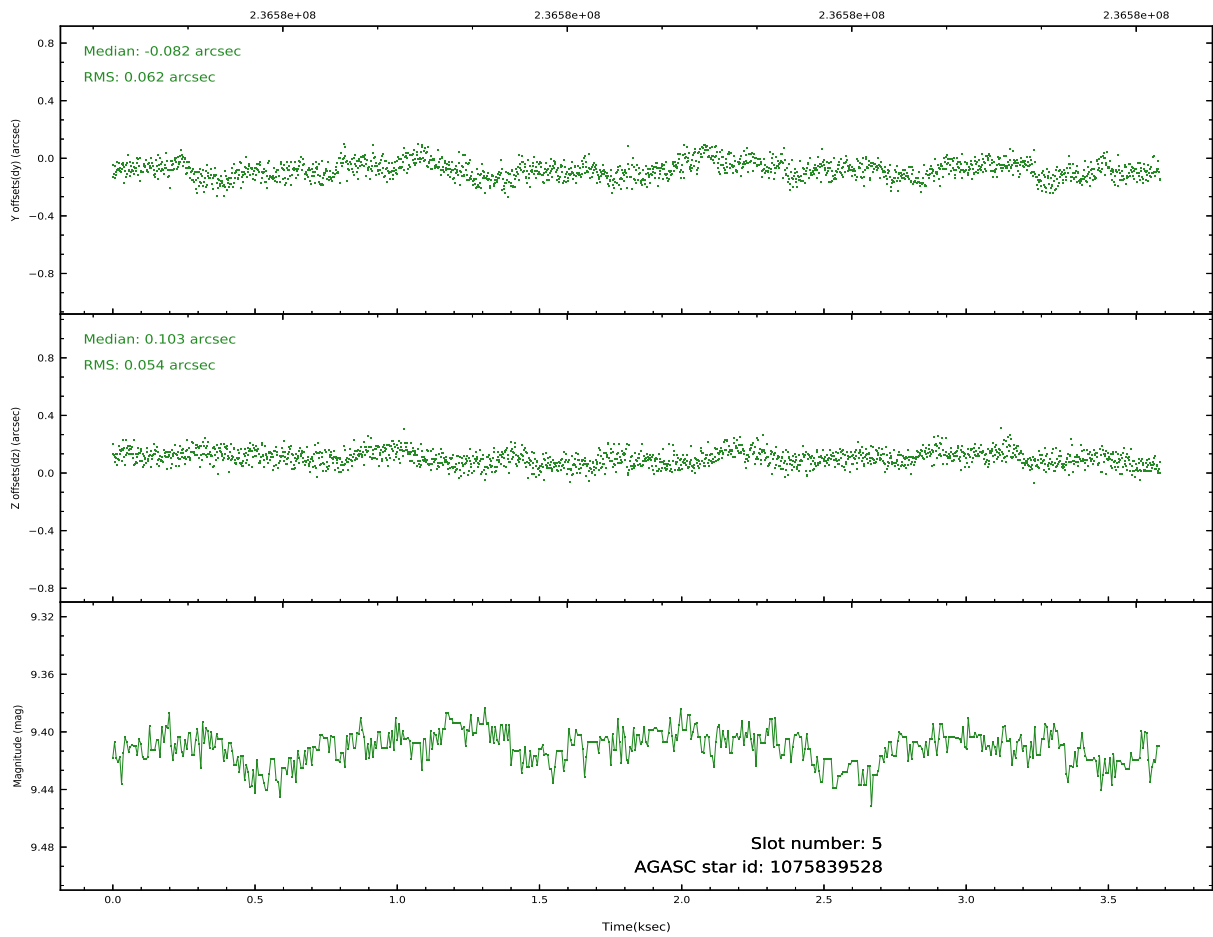
Time (s)



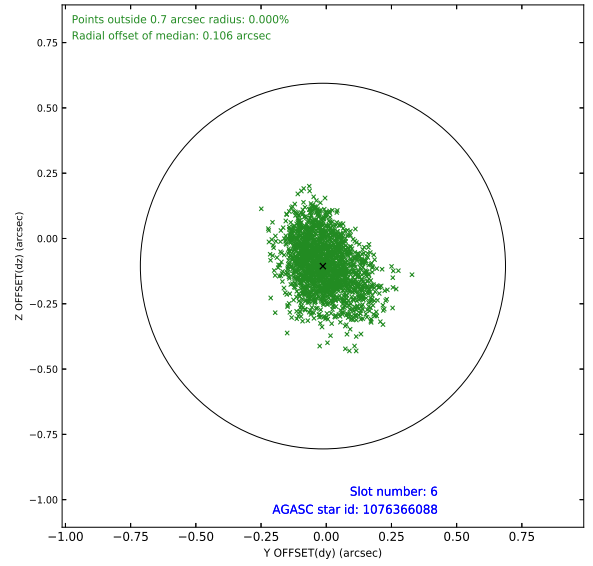
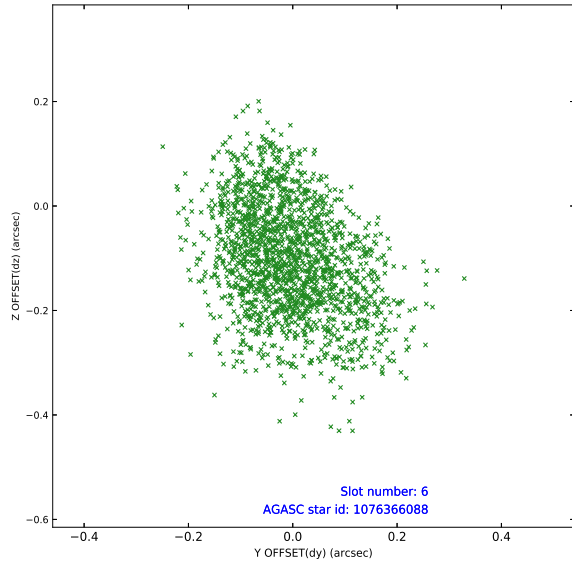
2.4.3 Slot 5



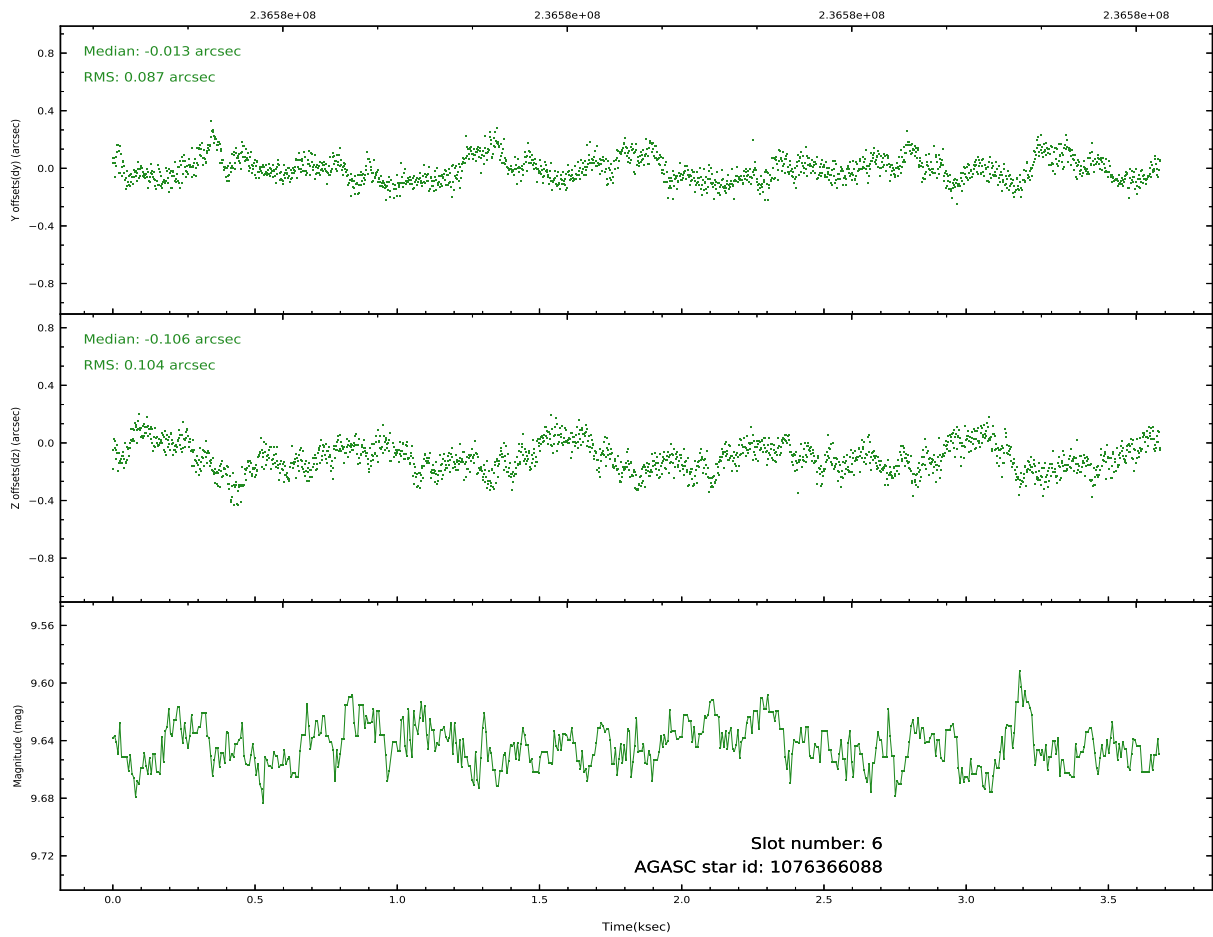
Time (s)



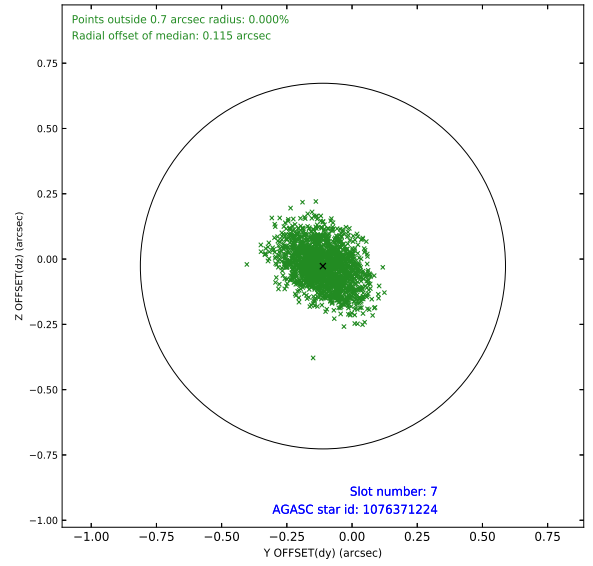
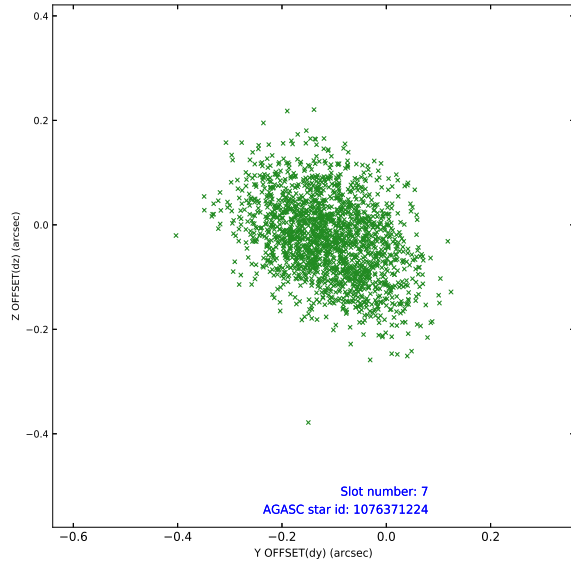
2.4.4 Slot 6



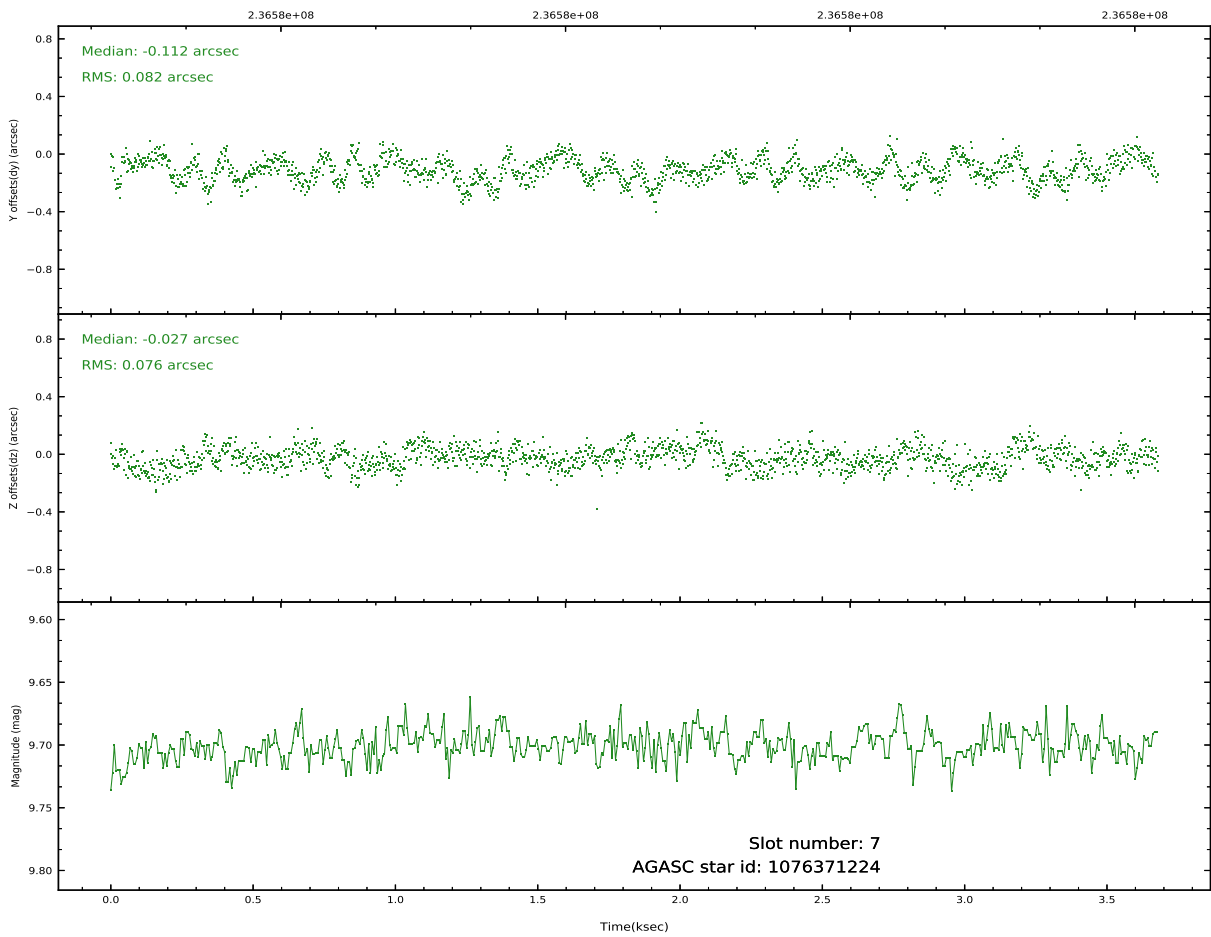
Time (s)



2.4.5 Slot 7

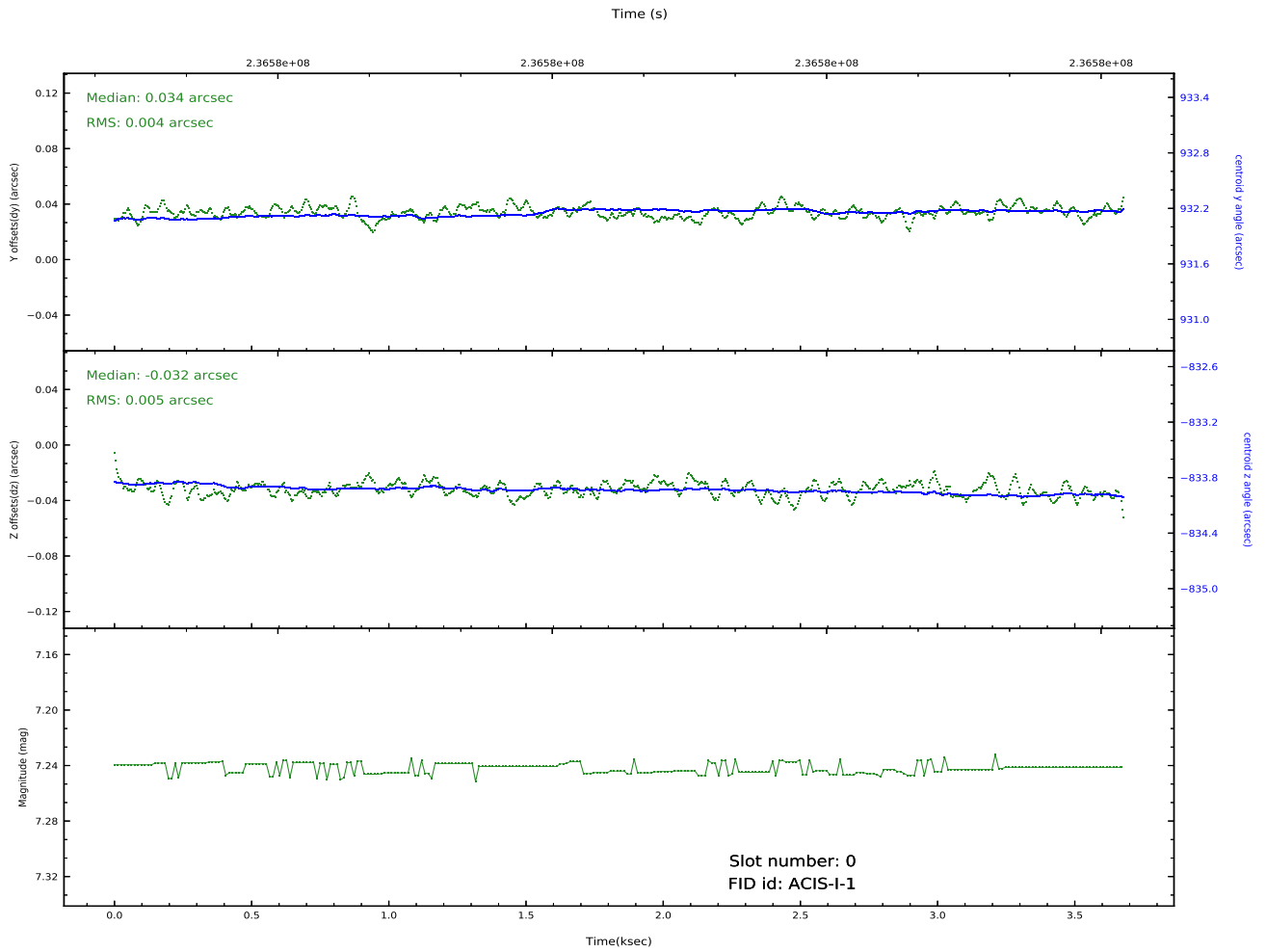
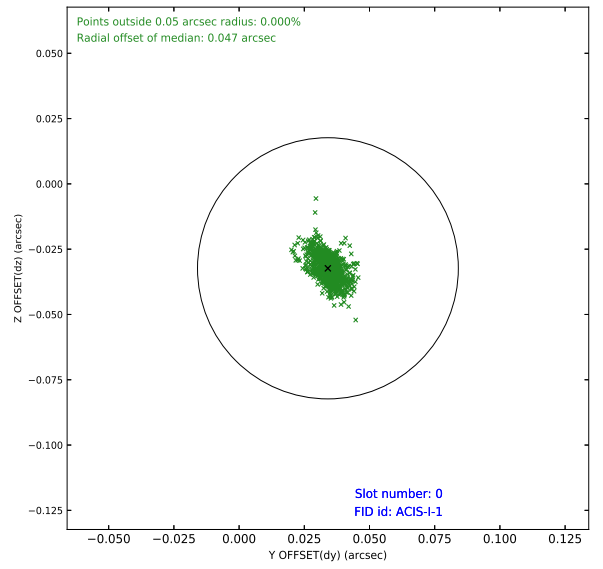
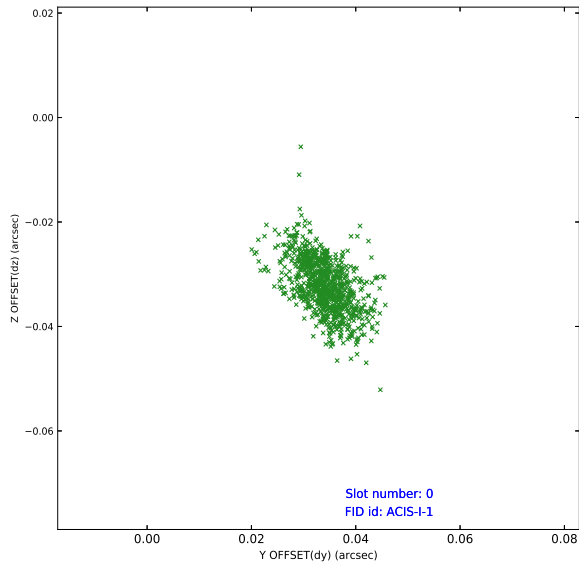


Time (s)

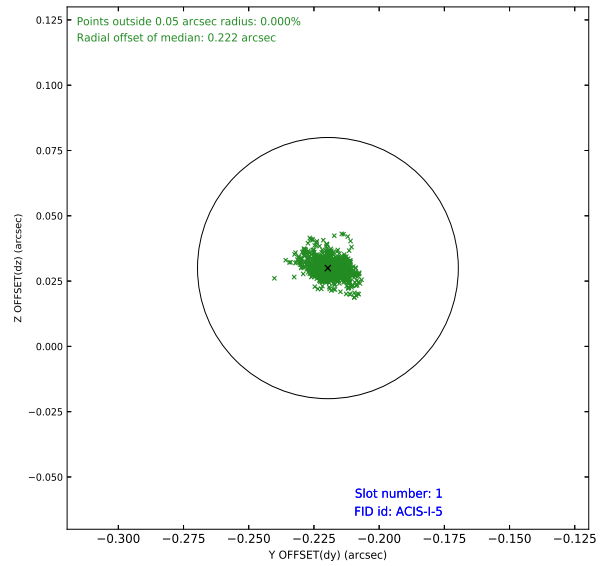
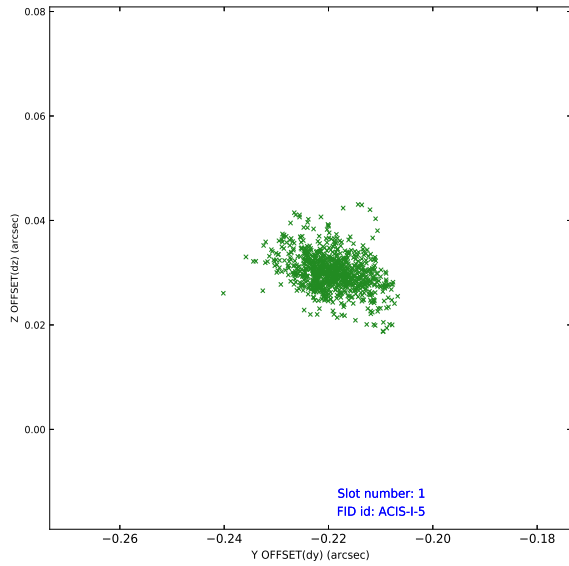


2.5 FID Slots

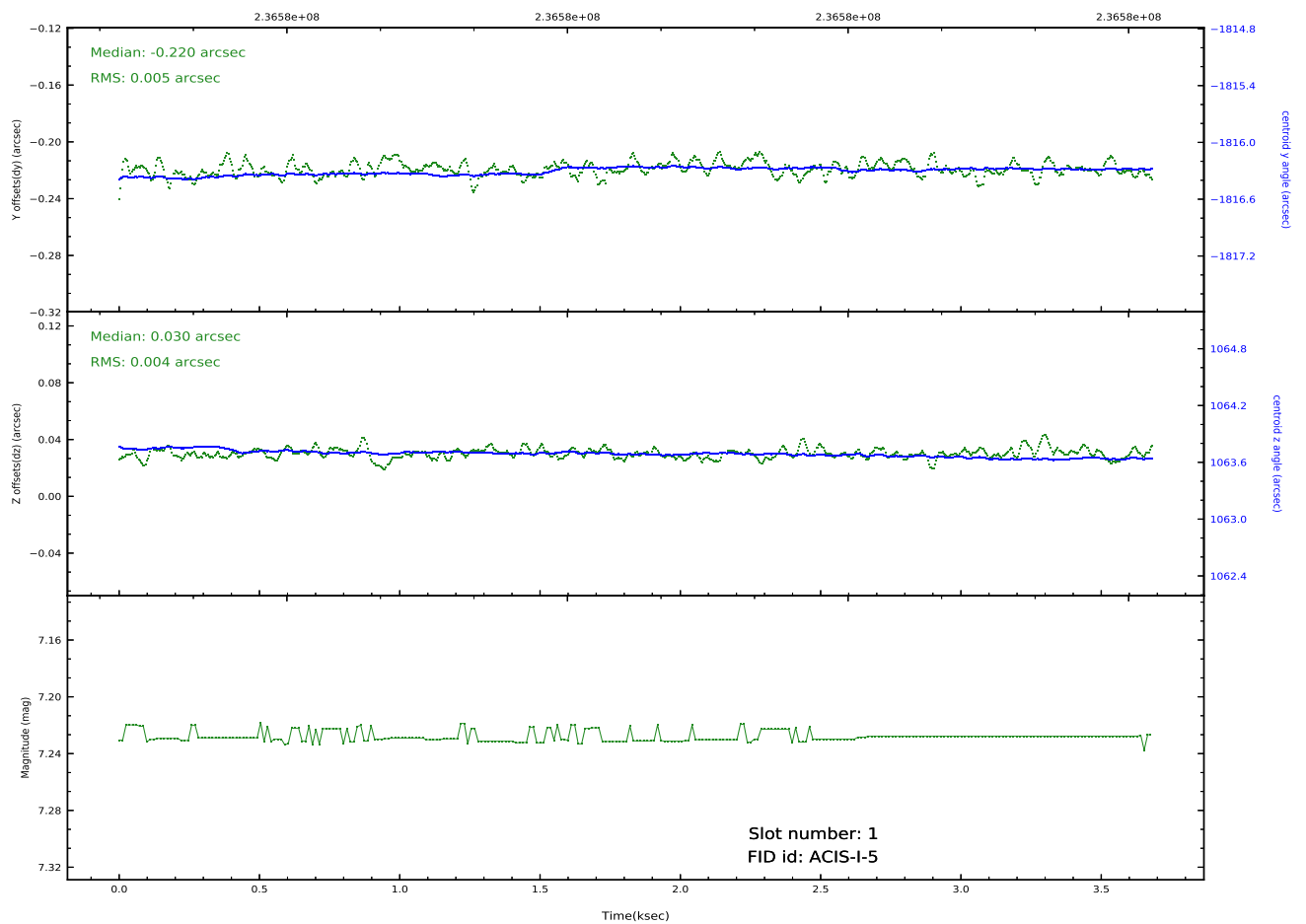
2.5.1 Slot 0



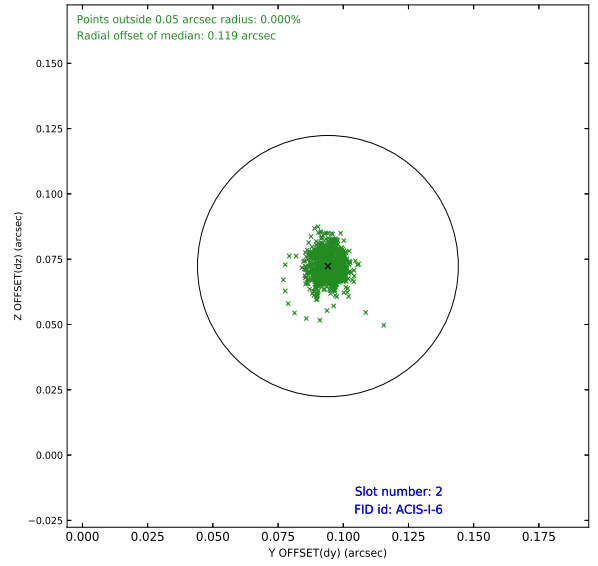
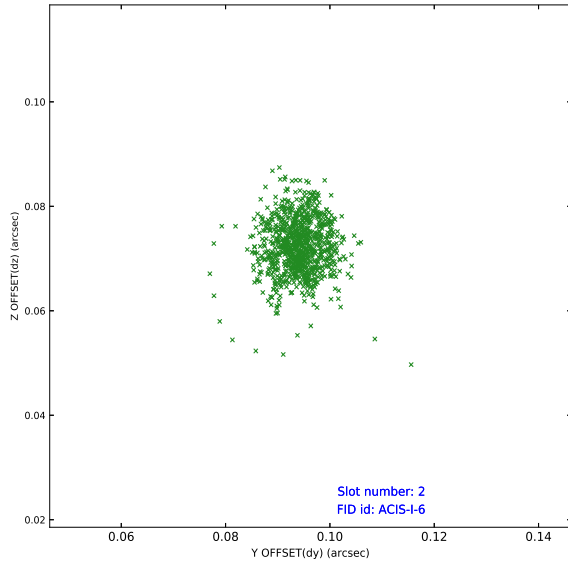
2.5.2 Slot 1



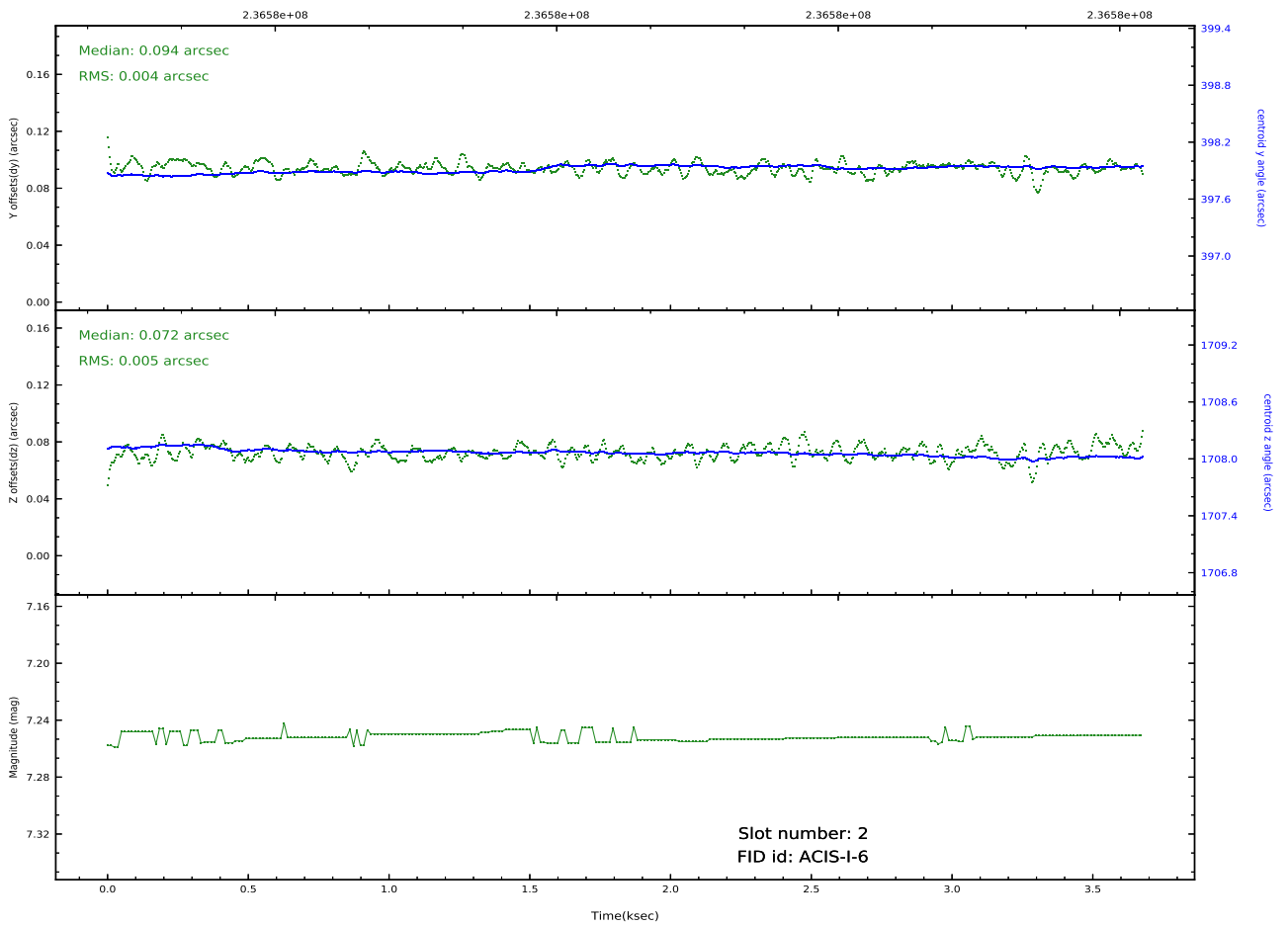
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.676799

A.2 Comments