

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21695 - L2 Version 1
Chandra X-Ray Center

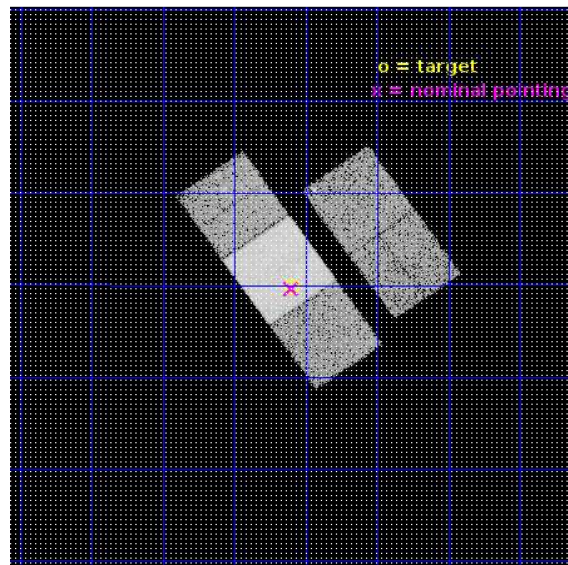
L2 Processing Date : Jun 20 2019

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1 Front

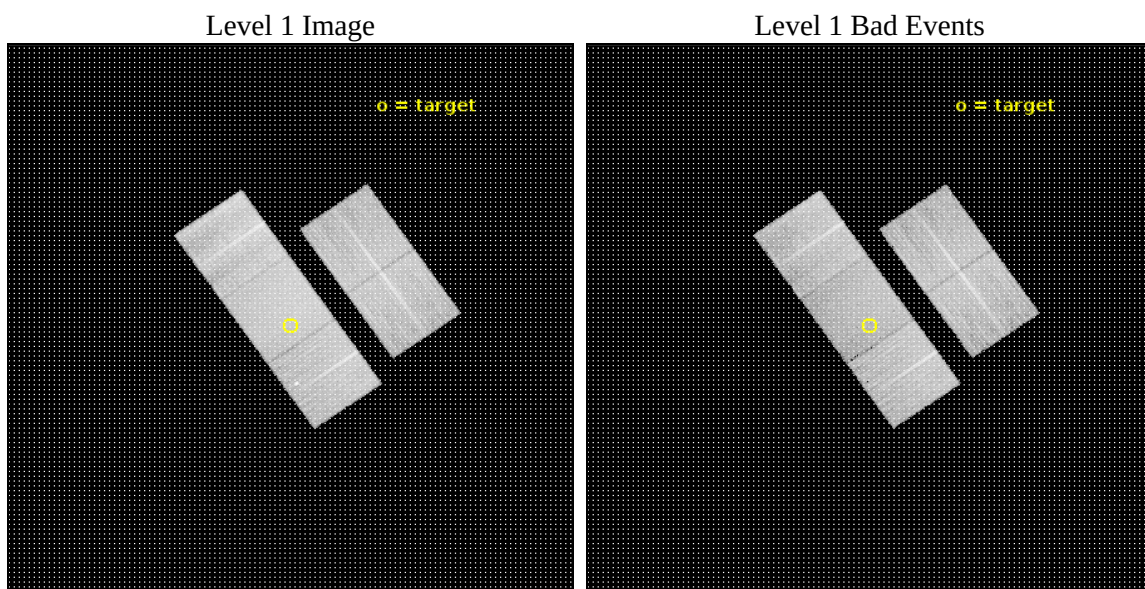
seq_num	703823	Sequence number
obs_id	21695	Observation id
title	A Expanded Chandra Survey of Nearby Optical AGN Candidates in Dwarf Galaxies	Proposal title
observer	Ralph Kraft	Principal investigator
object	VCC 0764	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.273333	Observer's specified target RA [deg]
dec_targ	5.329167	Observer's specified target Dec [deg]
ra_nom	186.27541723258	Nominal RA [deg]
dec_nom	5.3268463748217	Nominal Dec [deg]
roll_nom	235.15643753079	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14551.400112033	Sum of GTIs [s]
livetime	14361.275356984	Livetime [s]
ontime2	14545.118131399	Sum of GTIs [s]
ontime3	14545.118131399	Sum of GTIs [s]
ontime6	14548.259091735	Sum of GTIs [s]
ontime7	14551.400112033	Sum of GTIs [s]
ontime8	14551.400112033	Sum of GTIs [s]
l2events	103545	Number of level 2 events



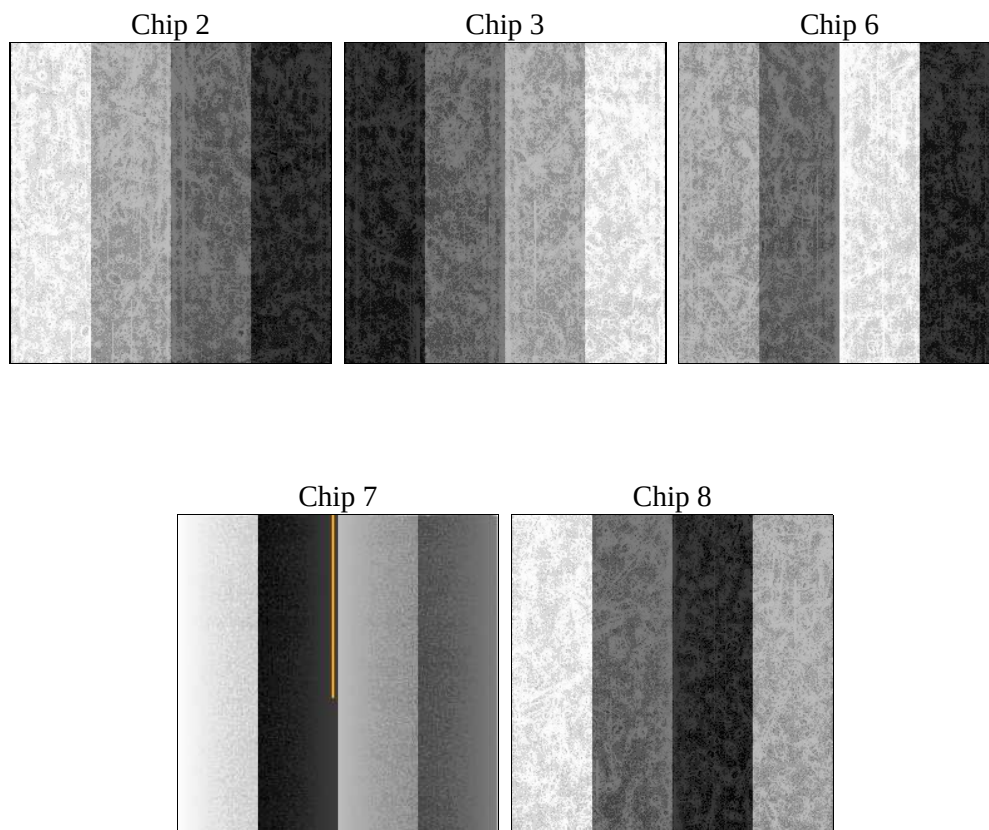
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14500.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	14551.400112033	Sum of GTIs [s]
caldsver	4.8.3	 	ontime2	14545.118131399	Sum of GTIs [s]
date	2019-06-20T05:06:26	Date and time of file creation	ontime3	14545.118131399	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	14548.259091735	Sum of GTIs [s]
			ontime7	14551.400112033	Sum of GTIs [s]
			ontime8	14551.400112033	Sum of GTIs [s]
			l1events	639291	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	114846	111469	124073	144258	144645
rejected events	103475	100118	110528	82709	107677
rejected %	90%	89%	89%	57%	74%

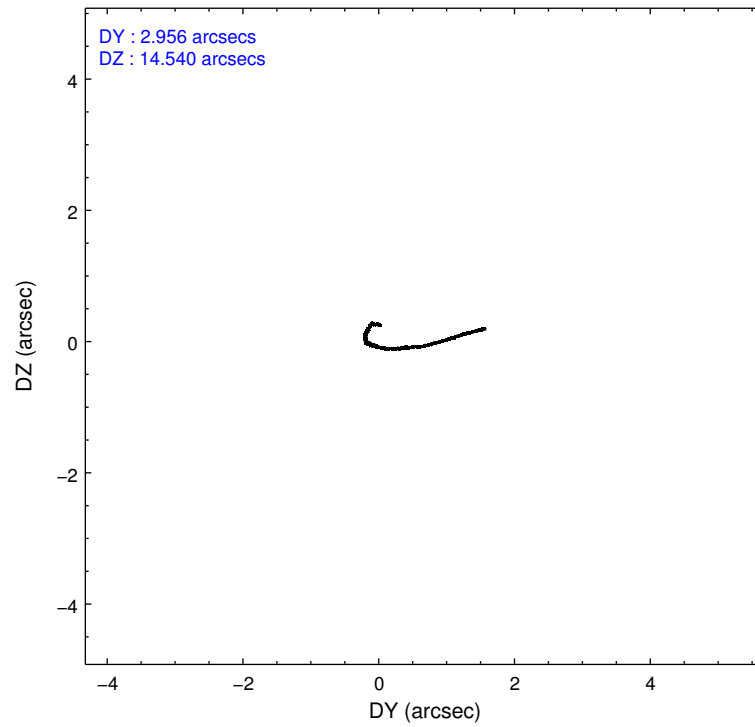
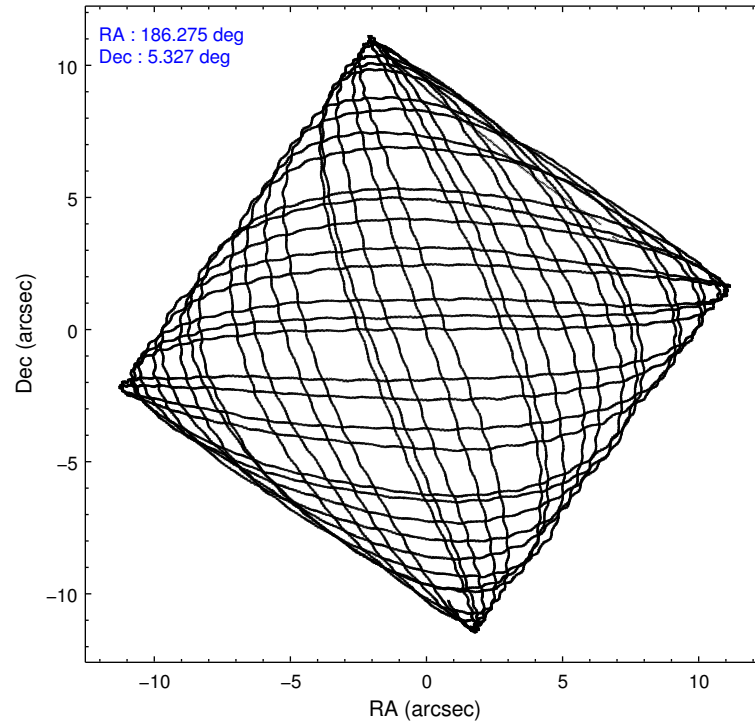
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	3904	3929	4356	5069	10361
	3%	3%	3%	3%	7%
grade 1 events	56	68	92	180	110
	0%	0%	0%	0%	0%
grade 2 events	2703	2451	3636	12799	9115
	2%	2%	2%	8%	6%
grade 3 events	1129	1197	1050	4687	3740
	0%	1%	0%	3%	2%
grade 4 events	1138	1137	937	4652	3429
	0%	1%	0%	3%	2%
grade 5 events	4145	5025	4626	13808	7504
	3%	4%	3%	9%	5%
grade 6 events	2501	2637	3567	34355	10326
	2%	2%	2%	23%	7%
grade 7 events	99270	95025	105809	68708	100060
	86%	85%	85%	47%	69%

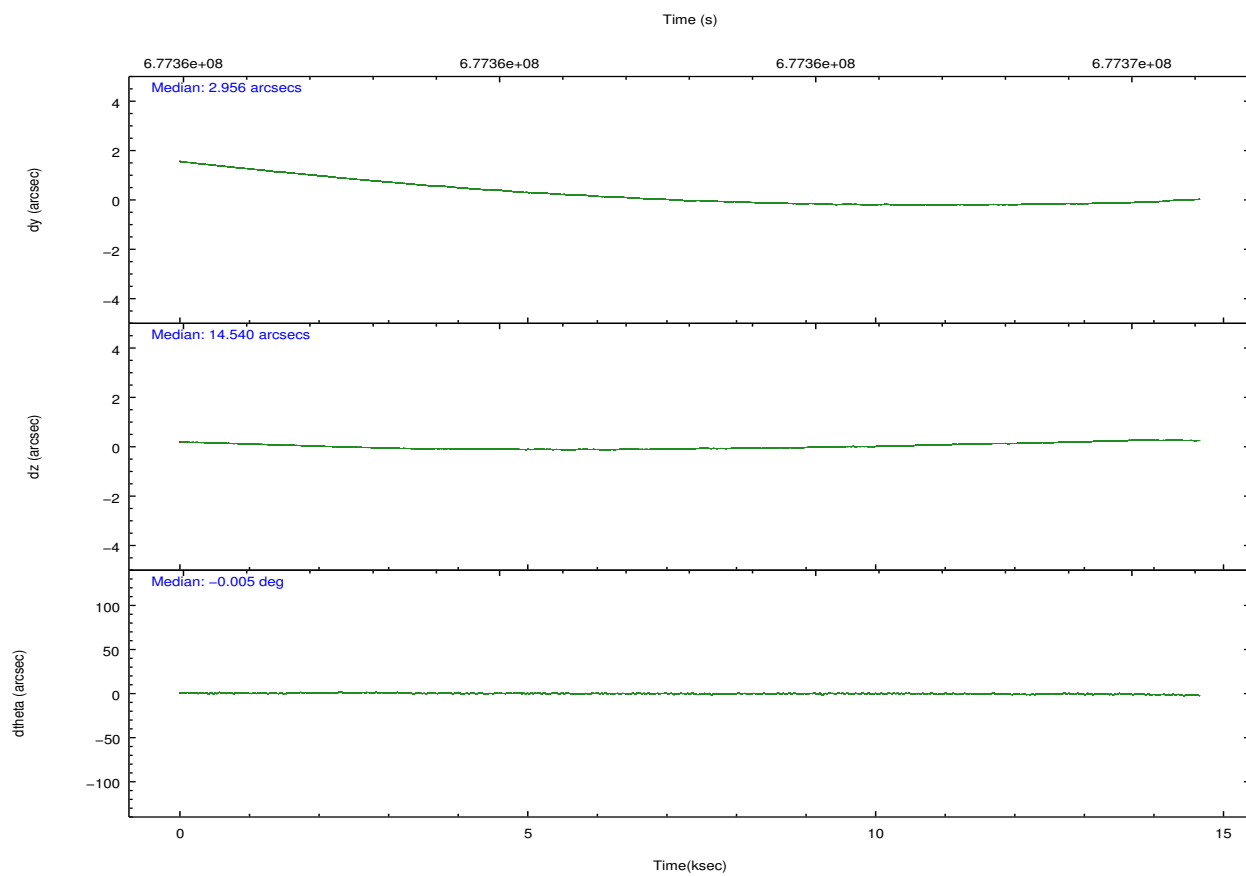
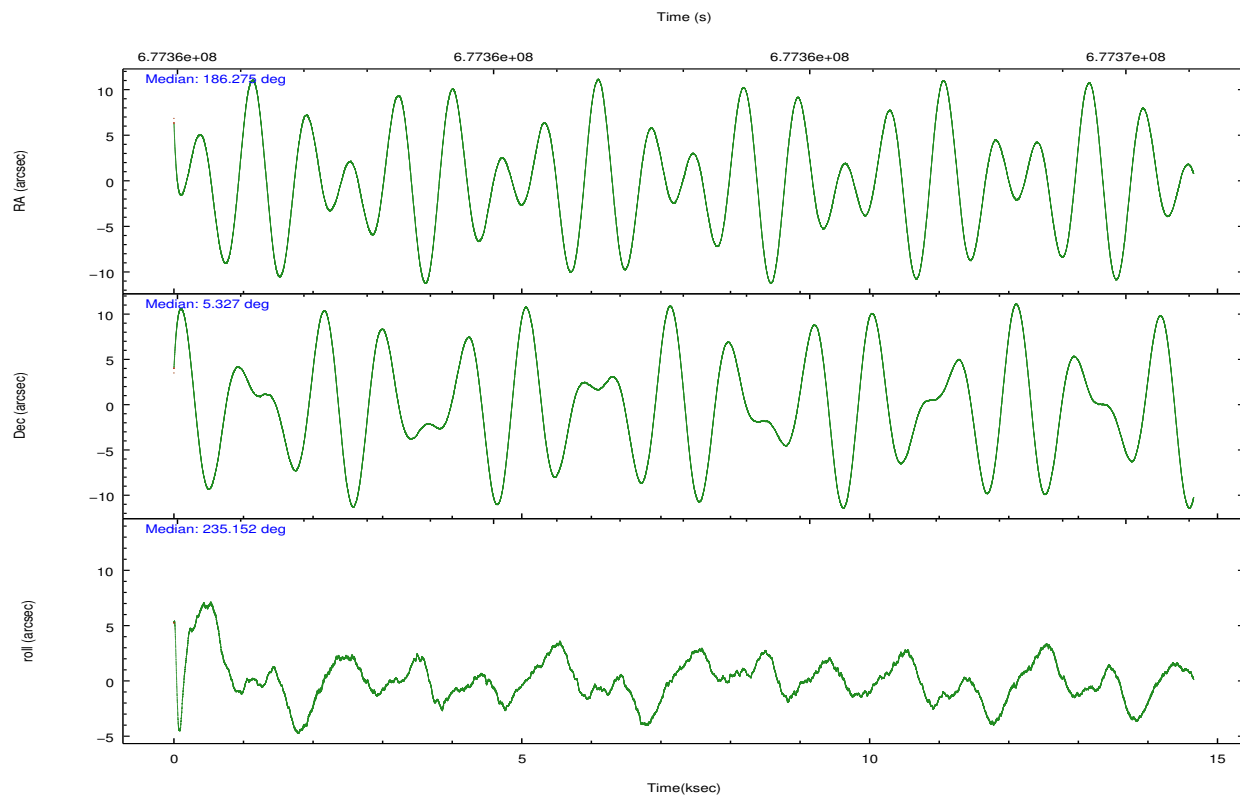
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	186.277375	186.2754172325791
[deg] Pointing Dec	5.354221	5.326846374821685
[deg] Pointing Roll	234.999625	235.1564375307928
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	677355845.184000	677354608.9897
Observation start date	2019-06-19T18:22:56	2019-06-19T18:03:28
[s] Observation end time (MET)	677370345.184000	677371162.2281899
Observation end date	2019-06-19T22:24:36	2019-06-19T22:39:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



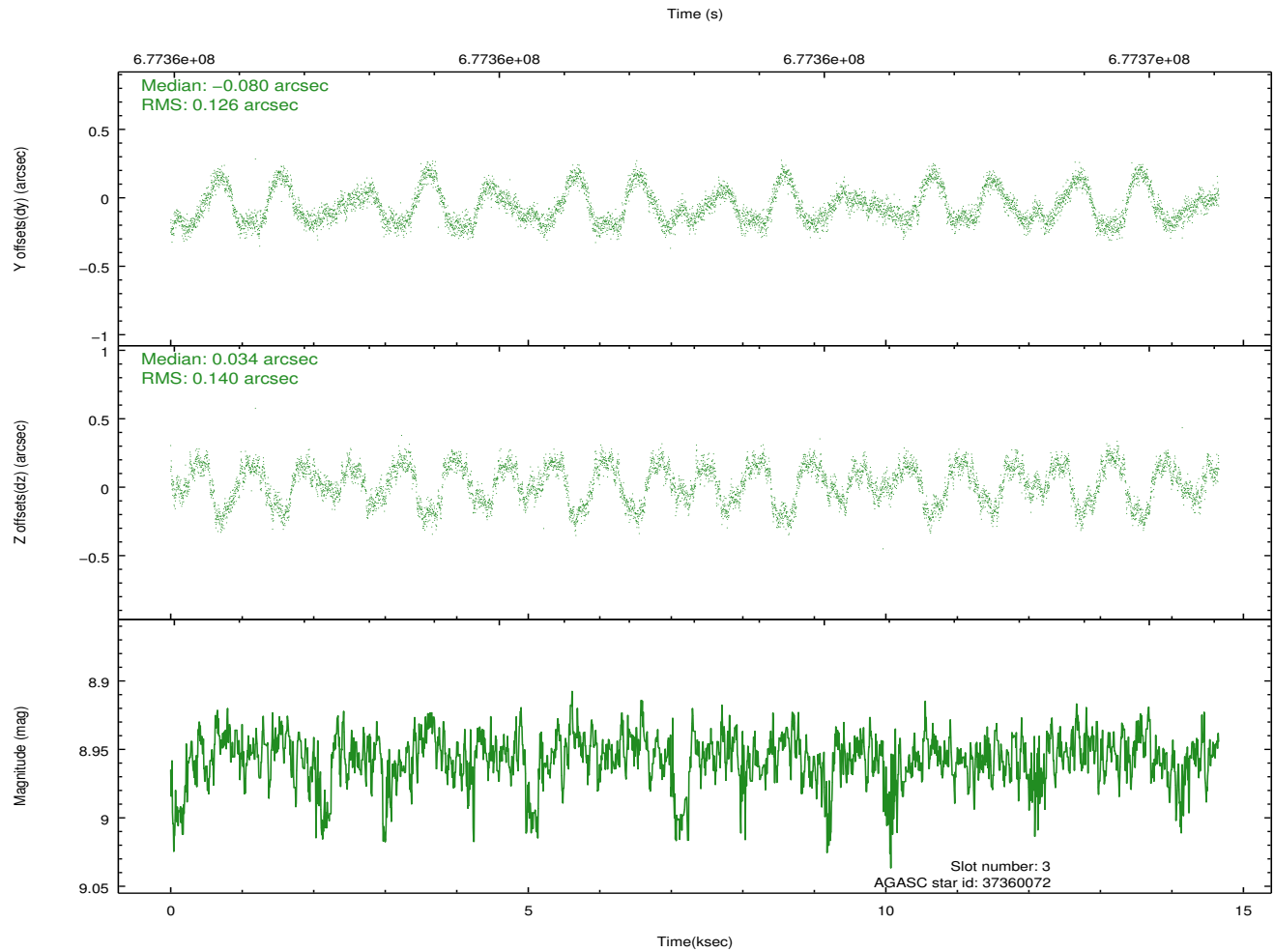
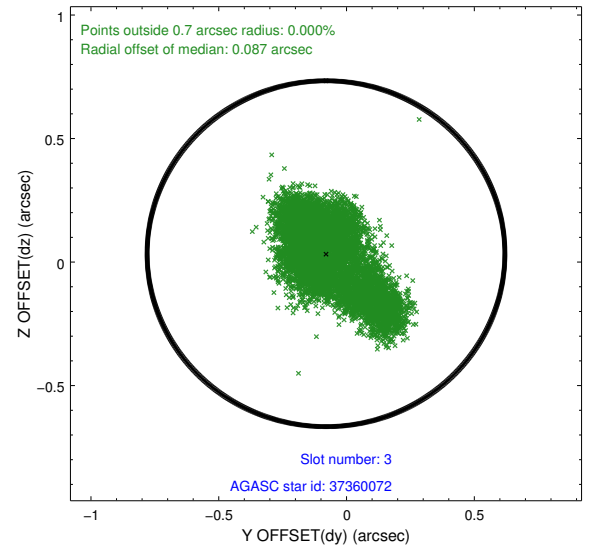
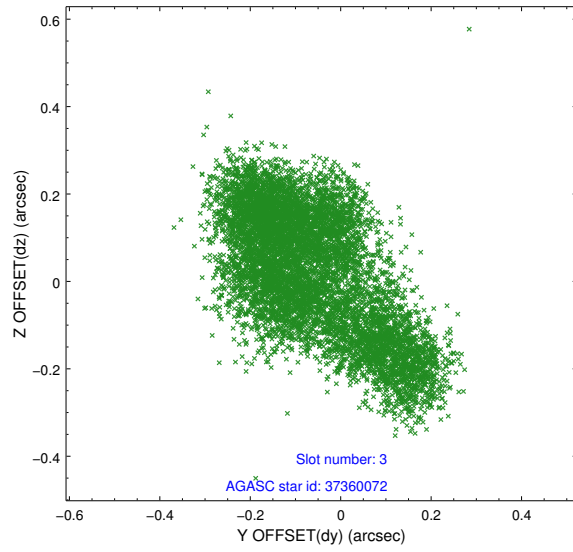


Slot Statistics

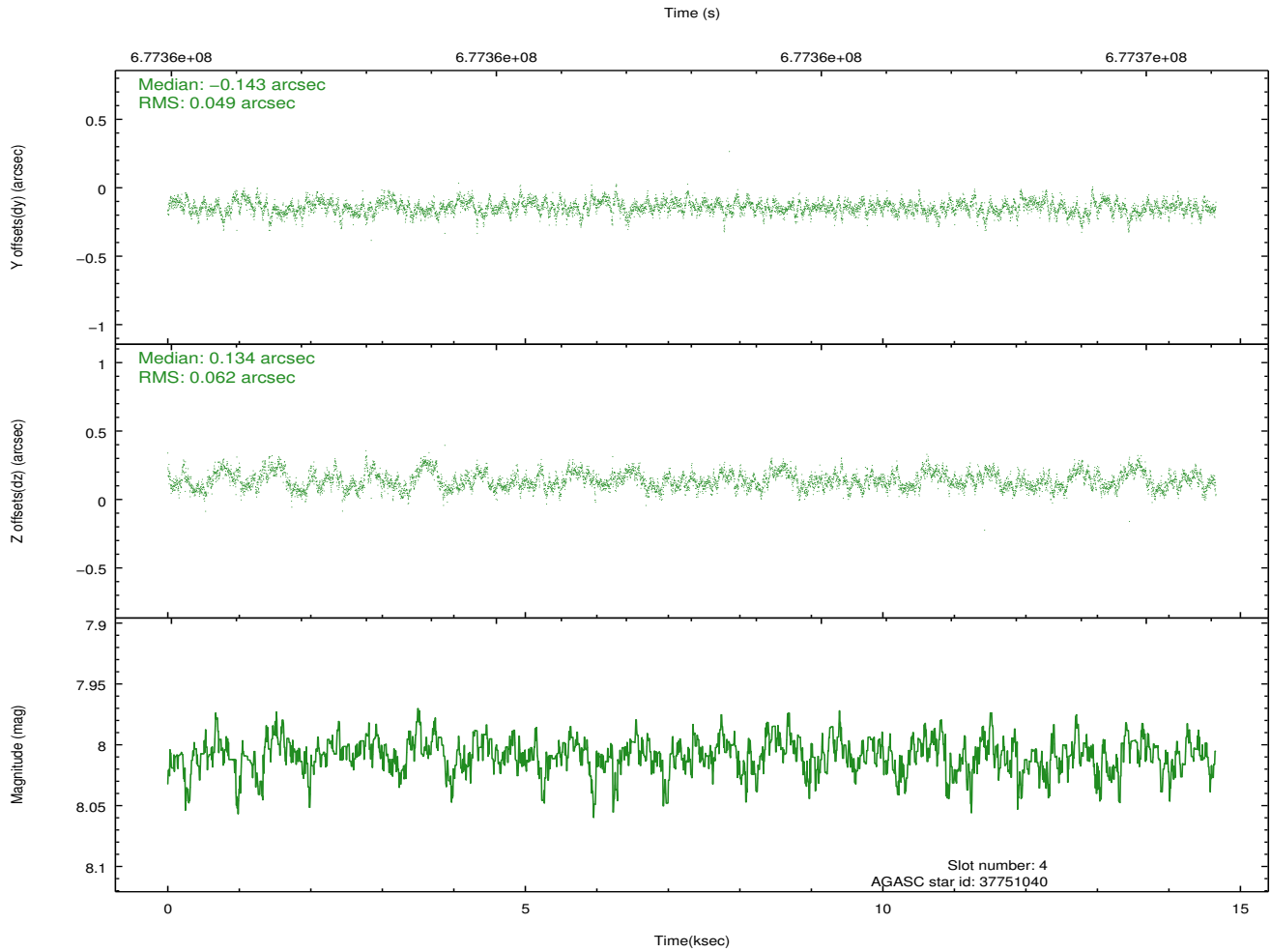
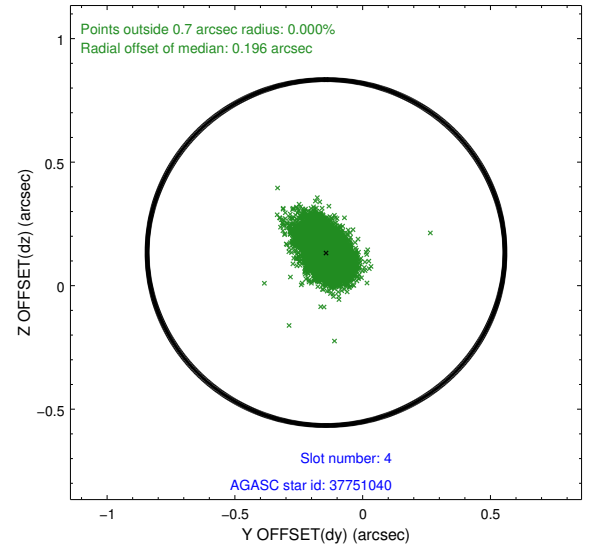
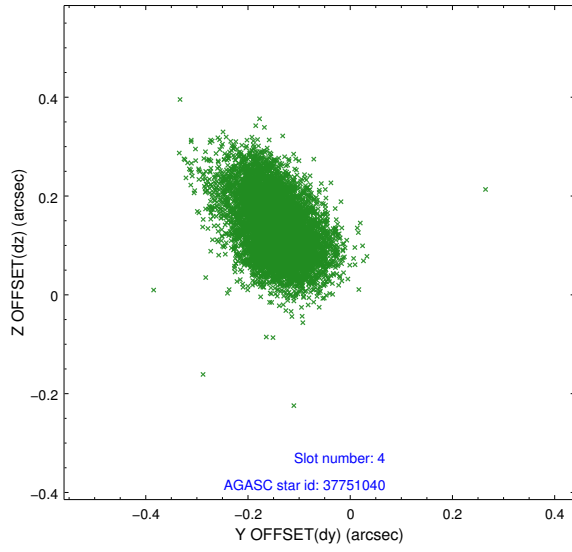
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	3576	1.000	-0.224	-0.093	0.013	0.046	0.000000	0.000000	-756.04	-1736
1	FID		ACIS-S-4	7.23	3576	1.000	0.532	0.133	0.017	0.063	0.000000	0.000000	2157.82	172
2	FID		ACIS-S-5	7.23	3576	1.000	-0.341	-0.033	0.012	0.022	0.000000	0.000000	-1808.64	166
3	GUIDE	used	37360072	8.96	7146	1.000	-0.080	0.034	0.194	0.344	186.376082	4.898905	1139.98	1230
4	GUIDE	used	37751040	8.01	7150	1.000	-0.143	0.134	0.083	0.139	186.653469	5.302509	-618.68	1208
5	GUIDE	used	37751648	8.06	7150	1.000	0.064	-0.195	0.123	0.228	186.164117	5.034873	1179.46	329
6	GUIDE	used	37754088	6.30	7151	1.000	0.123	0.088	0.104	0.157	186.047902	5.971553	-1348.43	-1947
7	GUIDE	used	37360488	9.05	7141	1.000	-0.005	-0.044	0.130	0.211	186.321519	4.991652	979.31	876

2.4 Star Slots

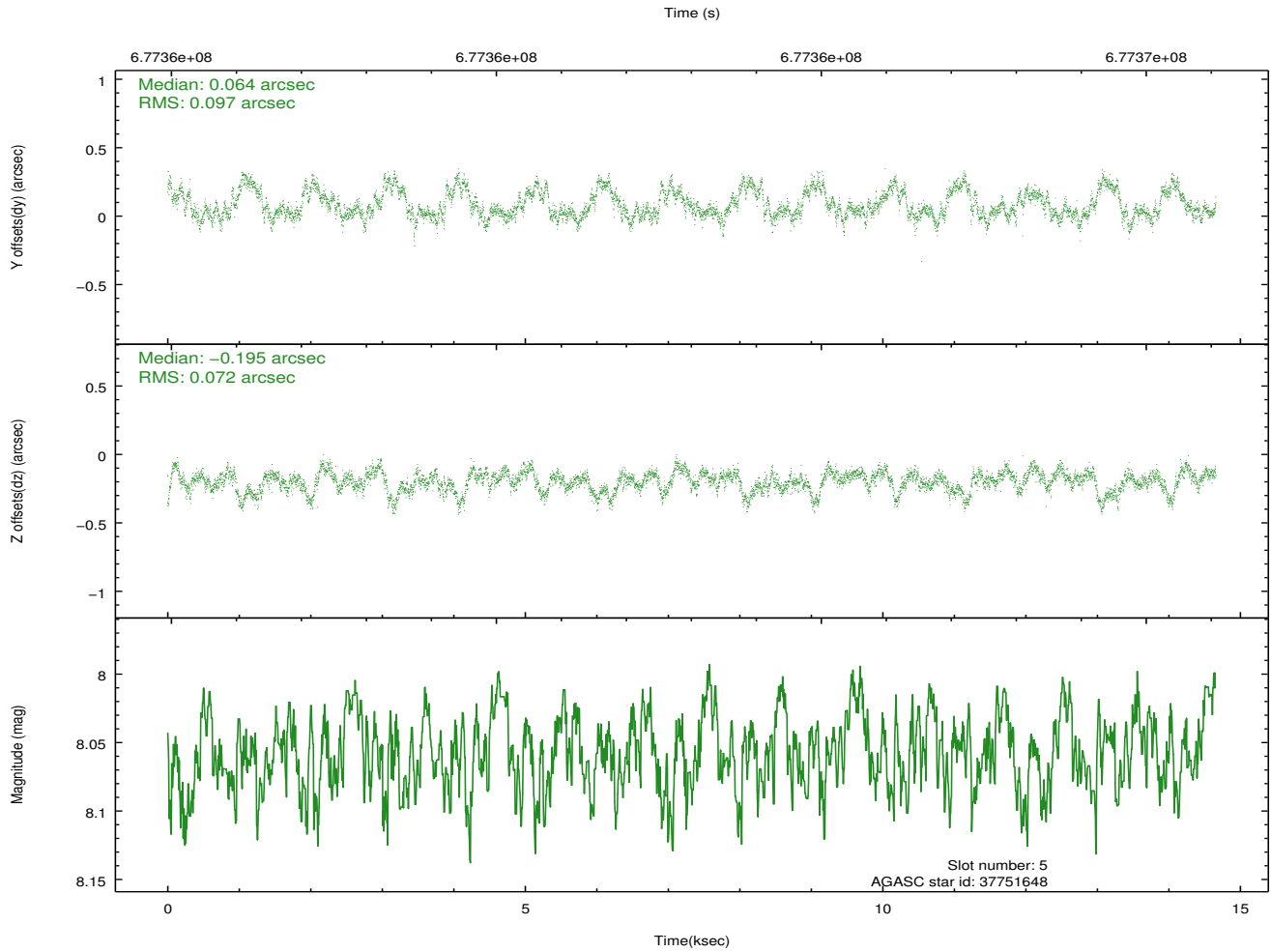
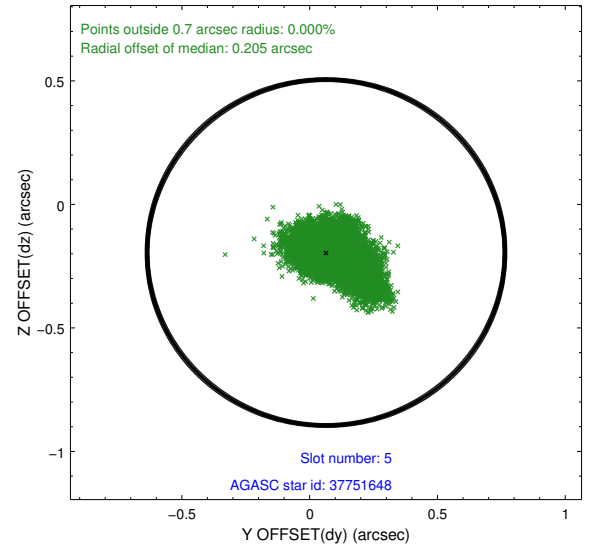
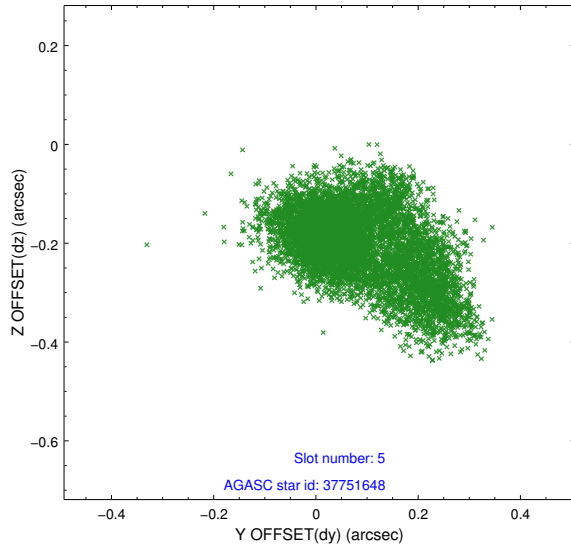
2.4.1 Slot 3



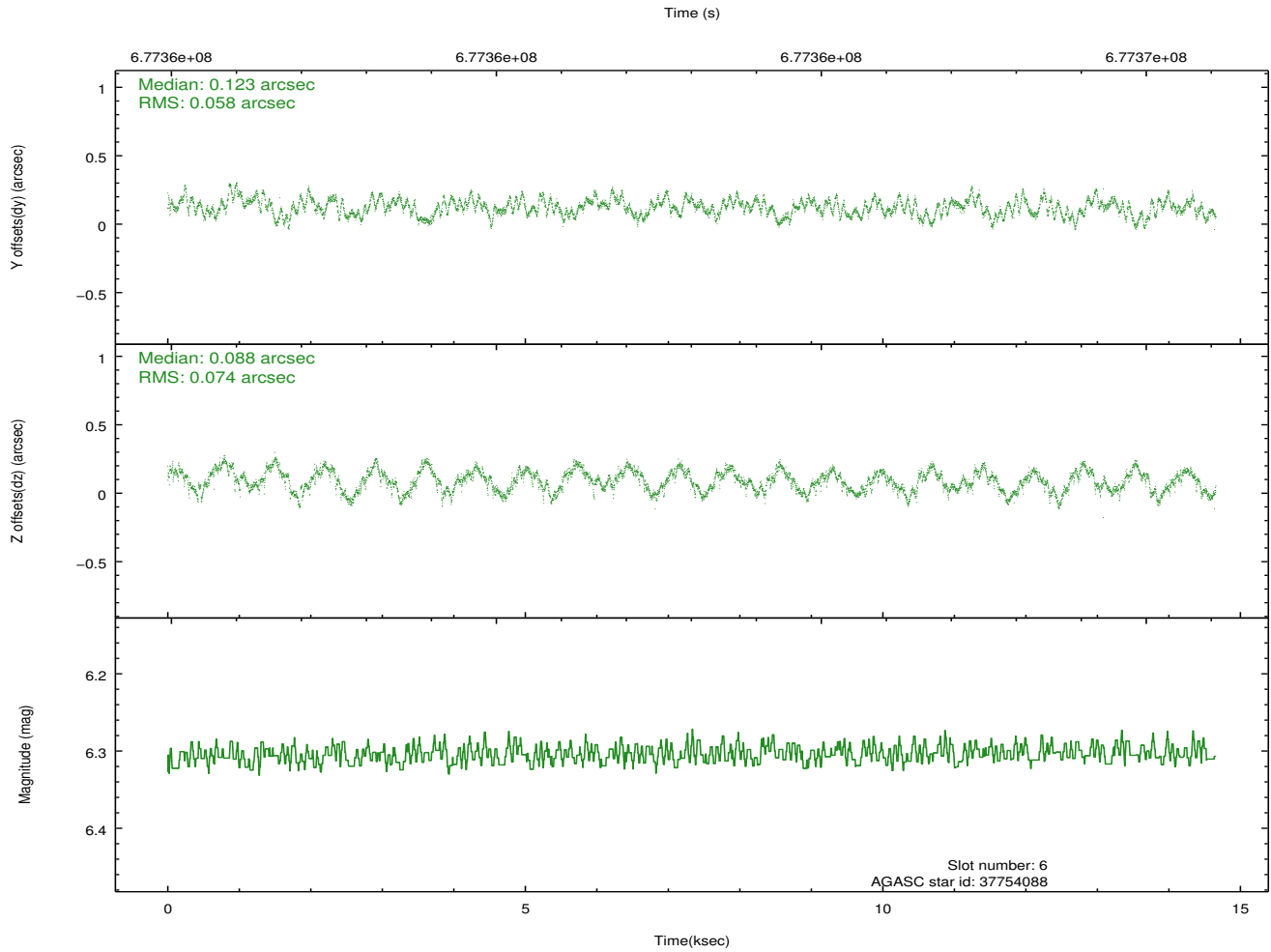
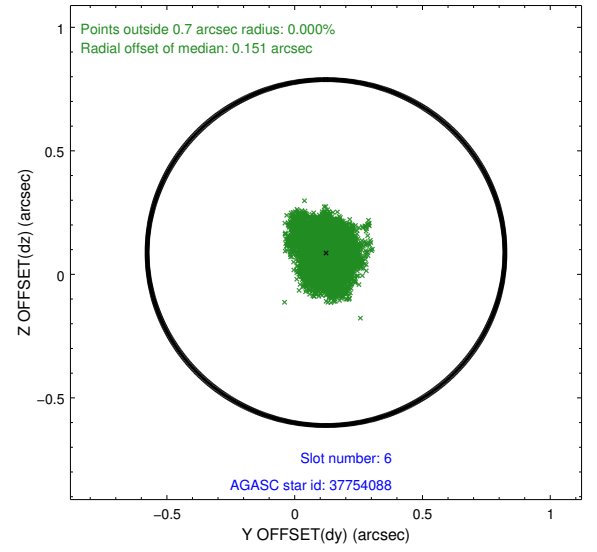
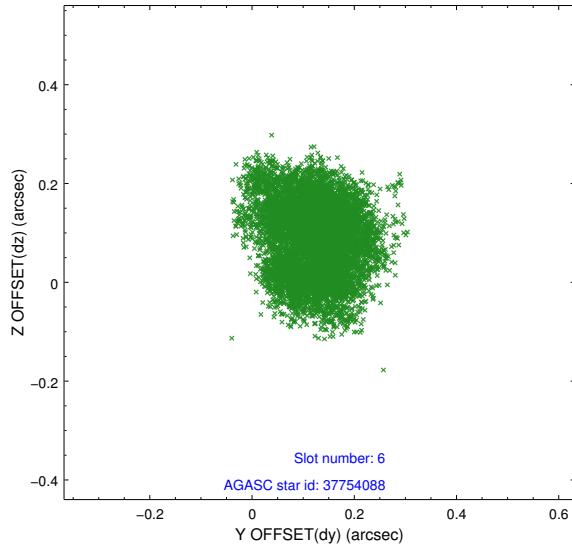
2.4.2 Slot 4



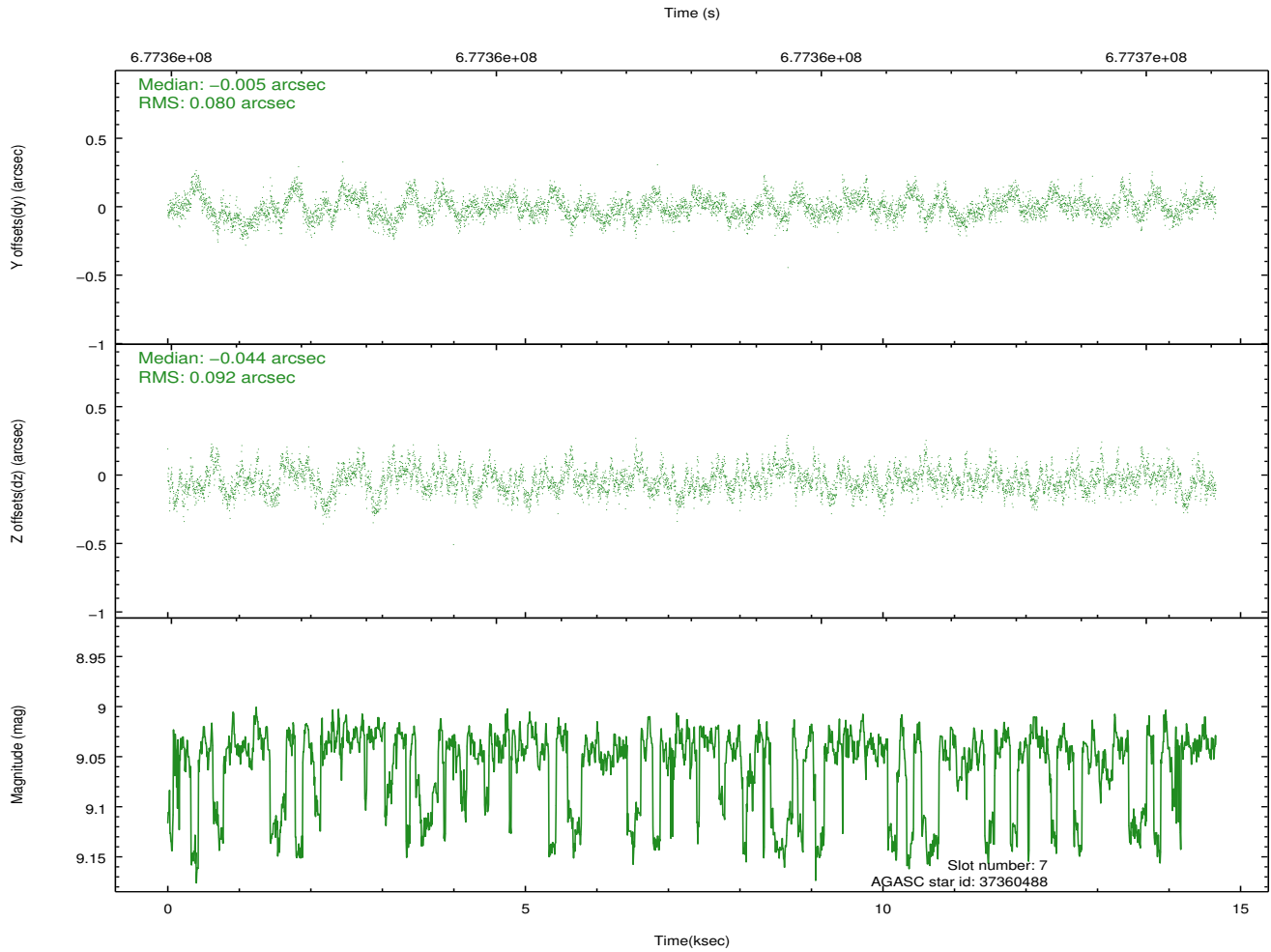
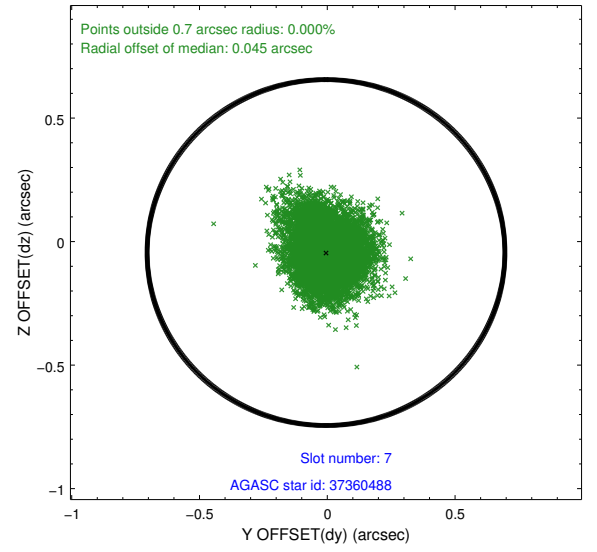
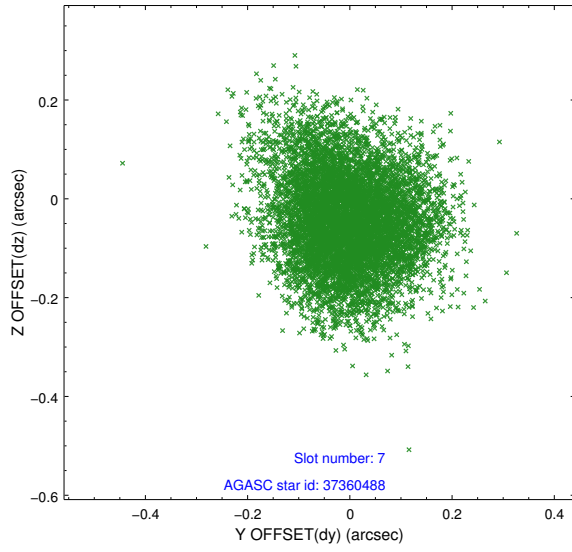
2.4.3 Slot 5



2.4.4 Slot 6

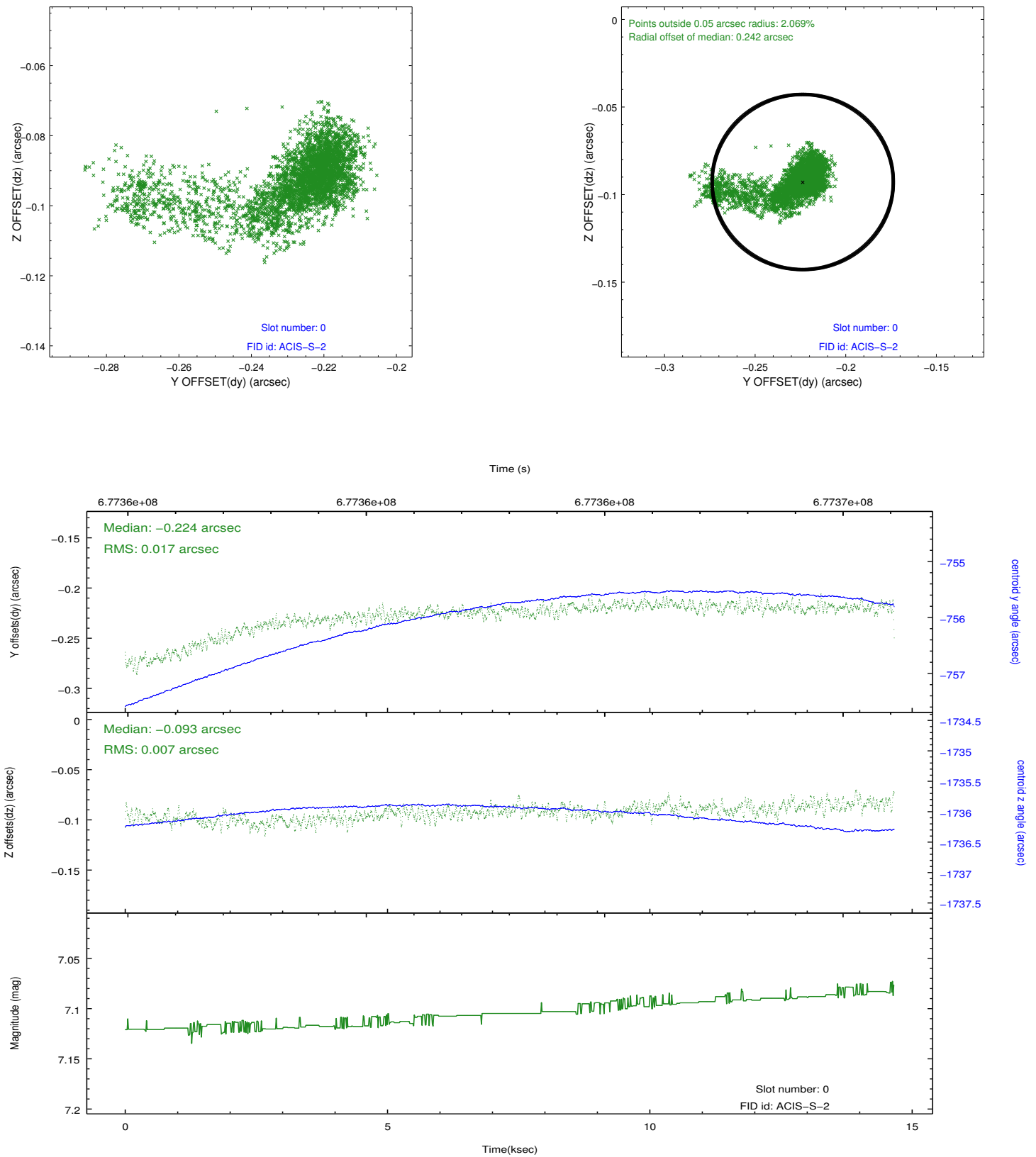


2.4.5 Slot 7

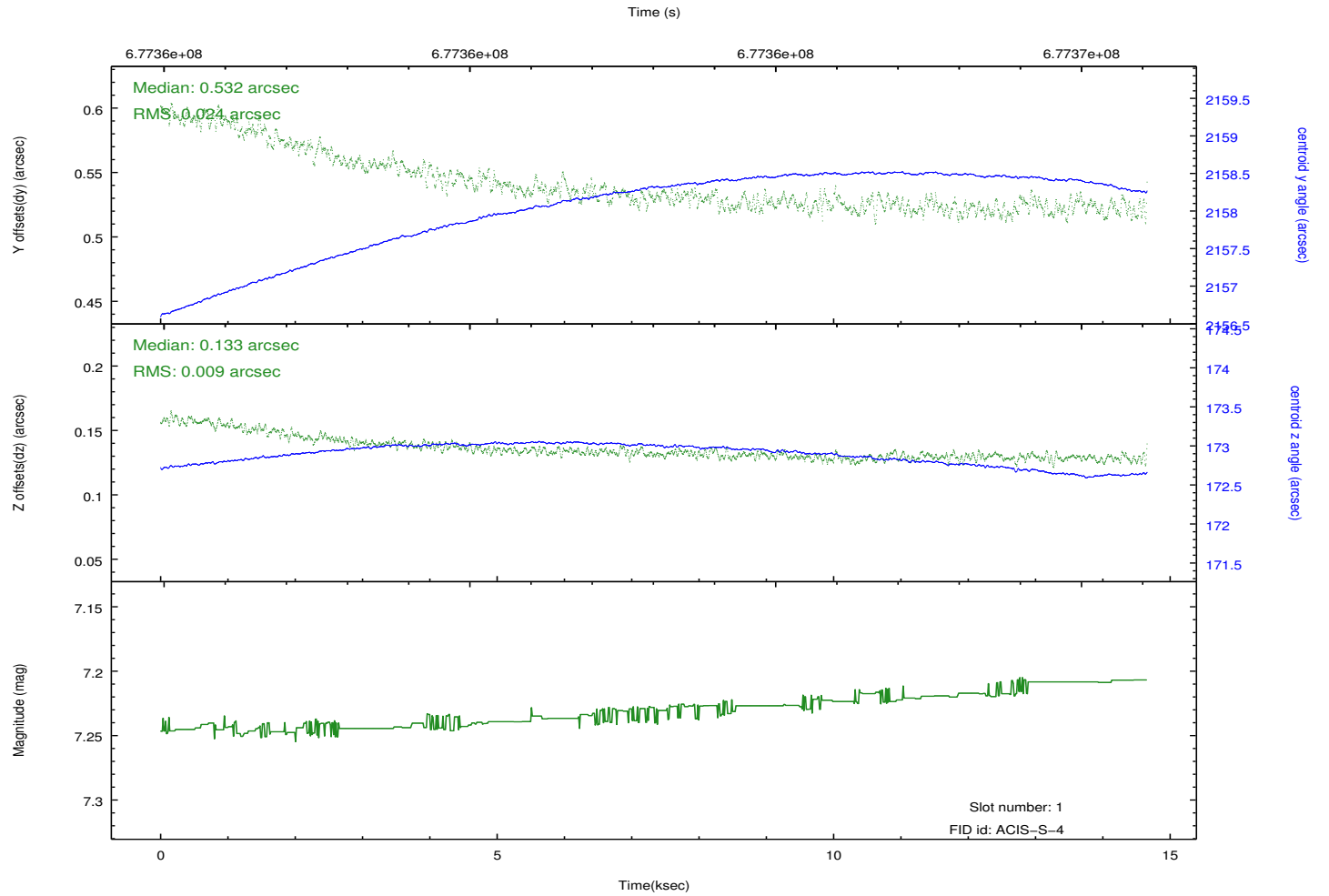
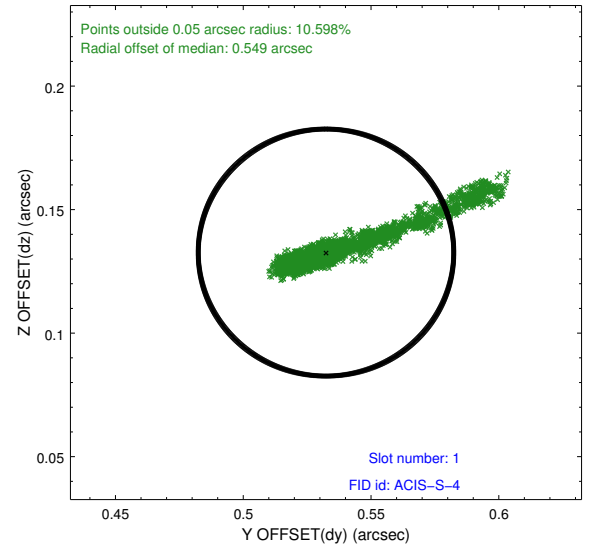
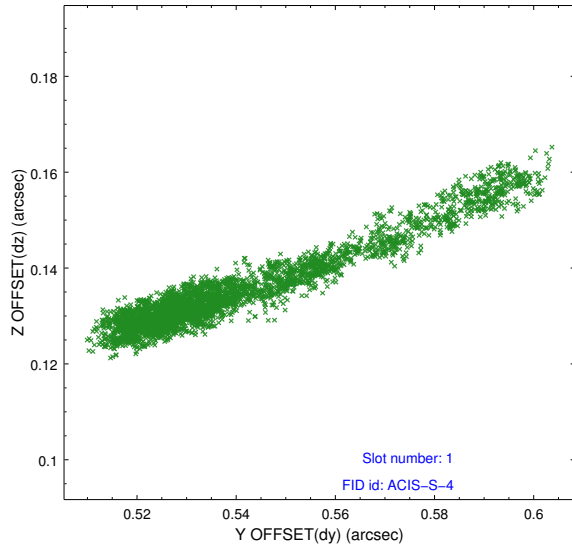


2.5 FID Slots

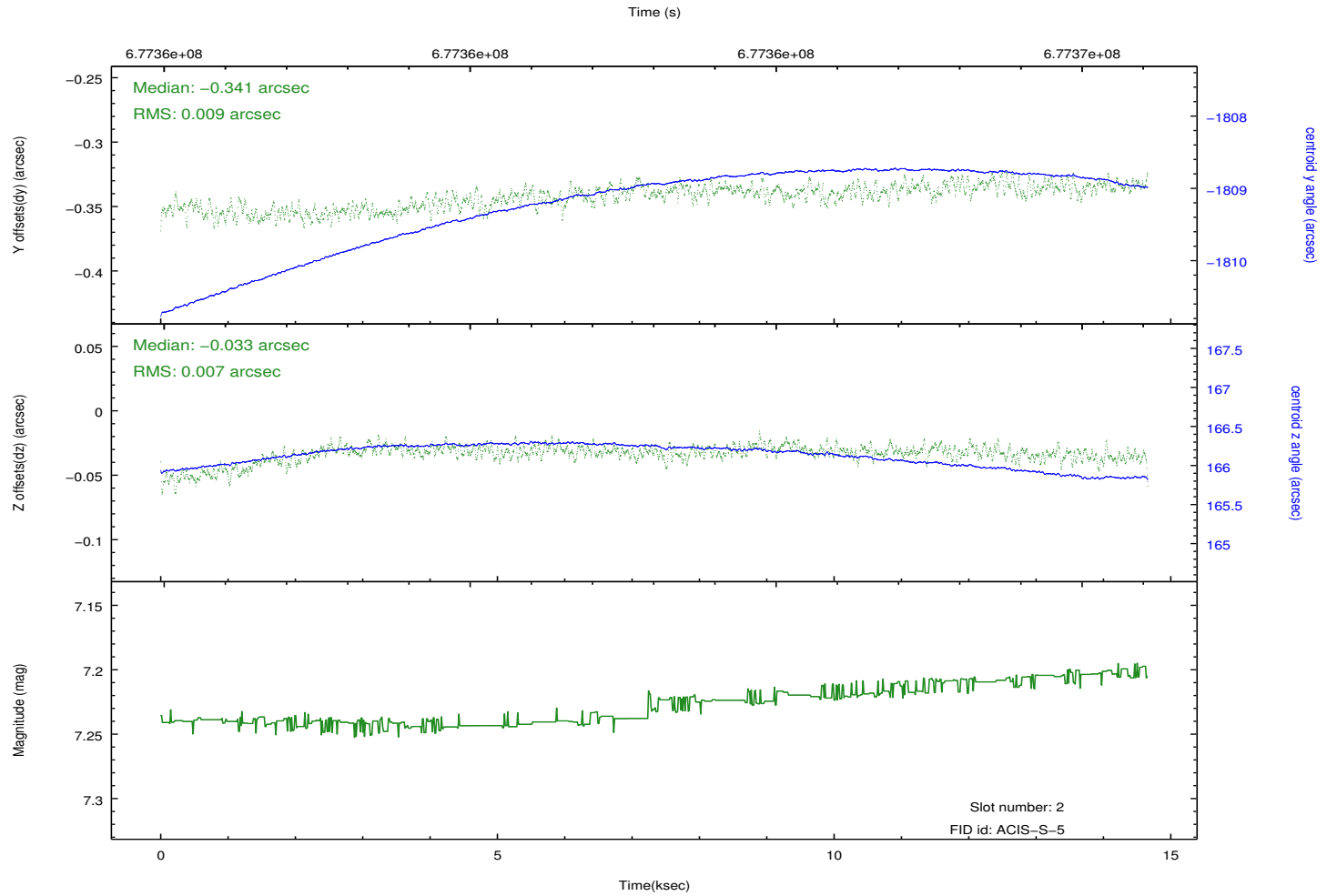
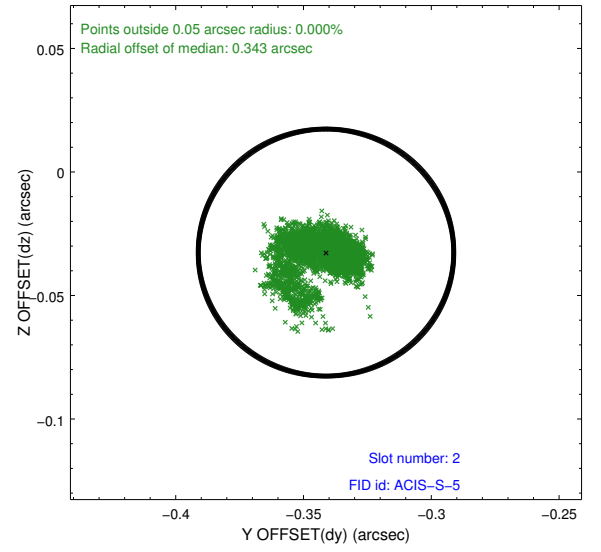
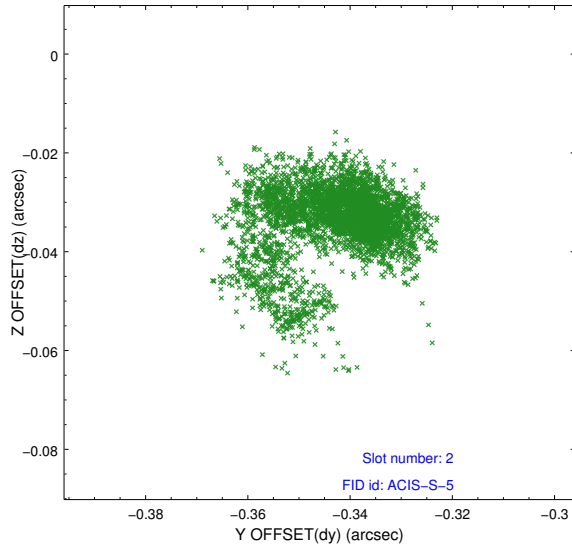
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.551400112033

A.2 Comments