

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8159 - L2 Version 2
Chandra X-Ray Center

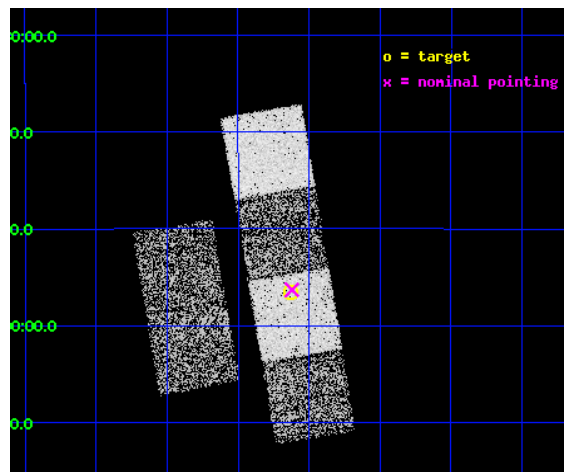
L2 Processing Date : May 9 2012

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

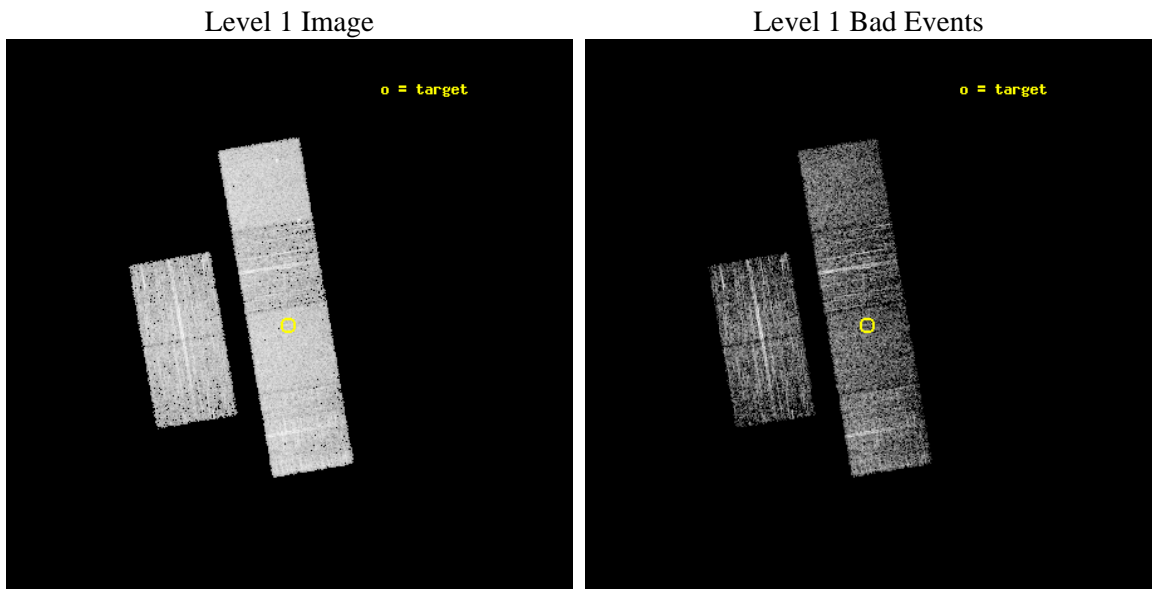
seq_num	900700	Sequence number
obs_id	8159	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J183607-0756	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	279.032083	Observer's specified target RA [deg]
dec_targ	-7.943	Observer's specified target Dec [deg]
ra_nom	279.03018585186	Nominal RA [deg]
dec_nom	-7.9384677673371	Nominal Dec [deg]
roll_nom	80.332382698761	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2556.0762599707	Sum of GTIs [s]
livetime	2523.7096832826	Livetime [s]
ontime2	2556.1172801256	Sum of GTIs [s]
ontime3	2555.9531399608	Sum of GTIs [s]
ontime5	2556.0352199674	Sum of GTIs [s]
ontime6	2555.9941799641	Sum of GTIs [s]
ontime7	2556.0762599707	Sum of GTIs [s]
ontime8	2549.4300397635	Sum of GTIs [s]
l2events	42072	Number of level 2 events



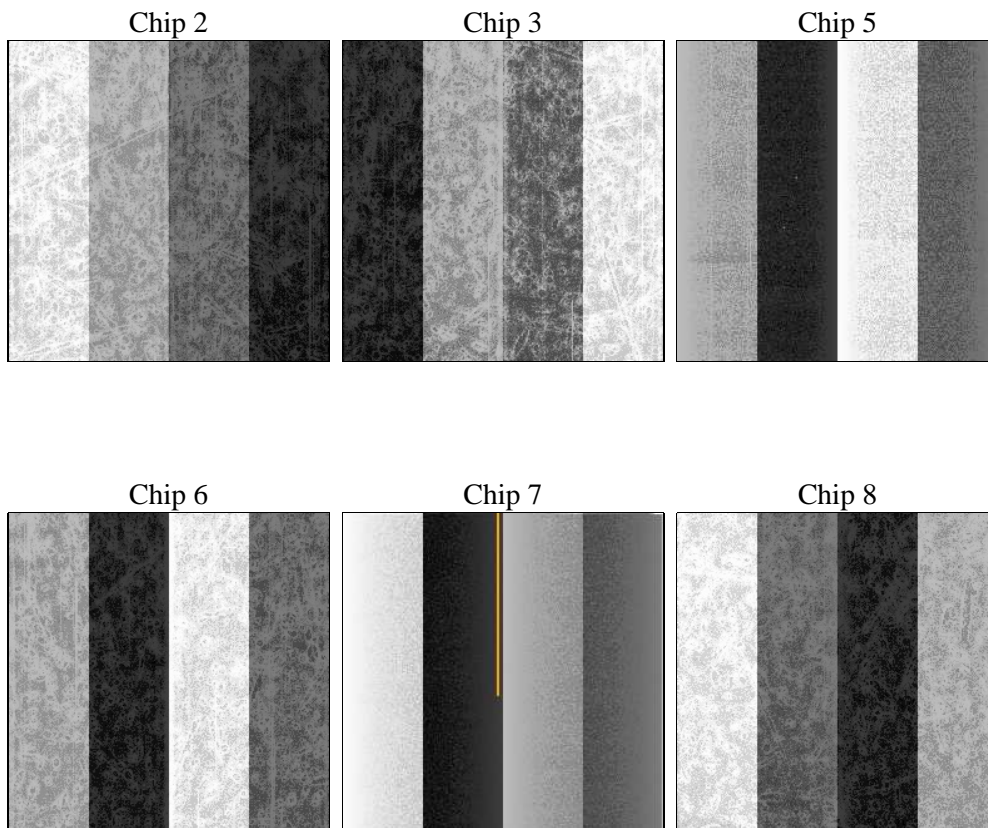
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	2800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2556.0762599707	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	2556.1172801256	Sum of GTIs [s]
date	2012-05-09T18:37:05	Date and time of file creation	ontime3	2555.9531399608	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2556.0352199674	Sum of GTIs [s]
			ontime6	2555.9941799641	Sum of GTIs [s]
			ontime7	2556.0762599707	Sum of GTIs [s]
			ontime8	2549.4300397635	Sum of GTIs [s]
			l1events	179474	Number of level 1 events

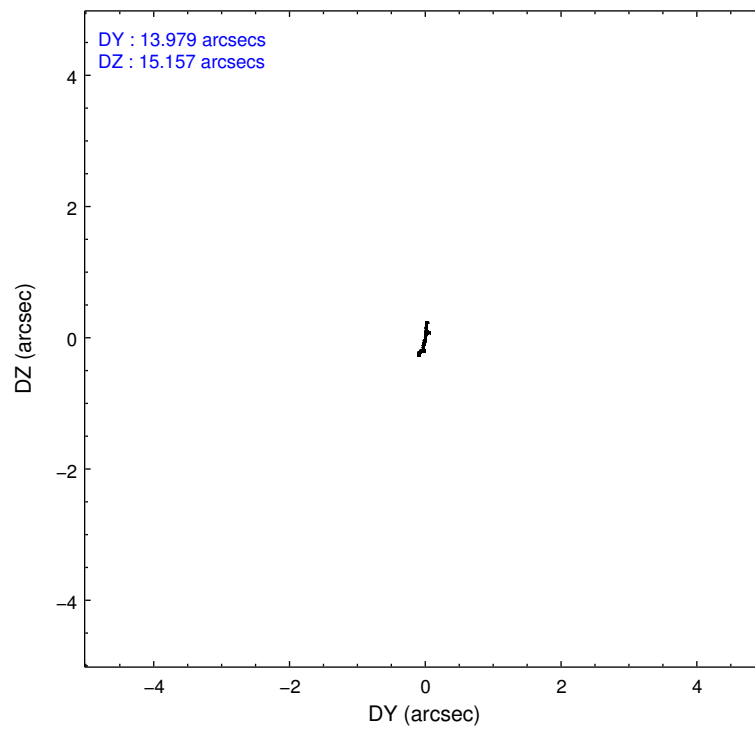
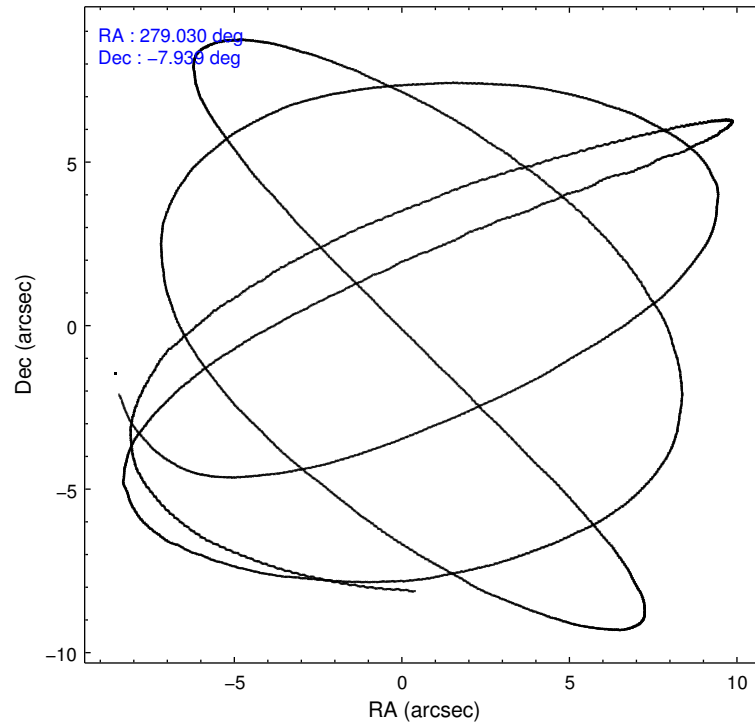
2.1.4 Events

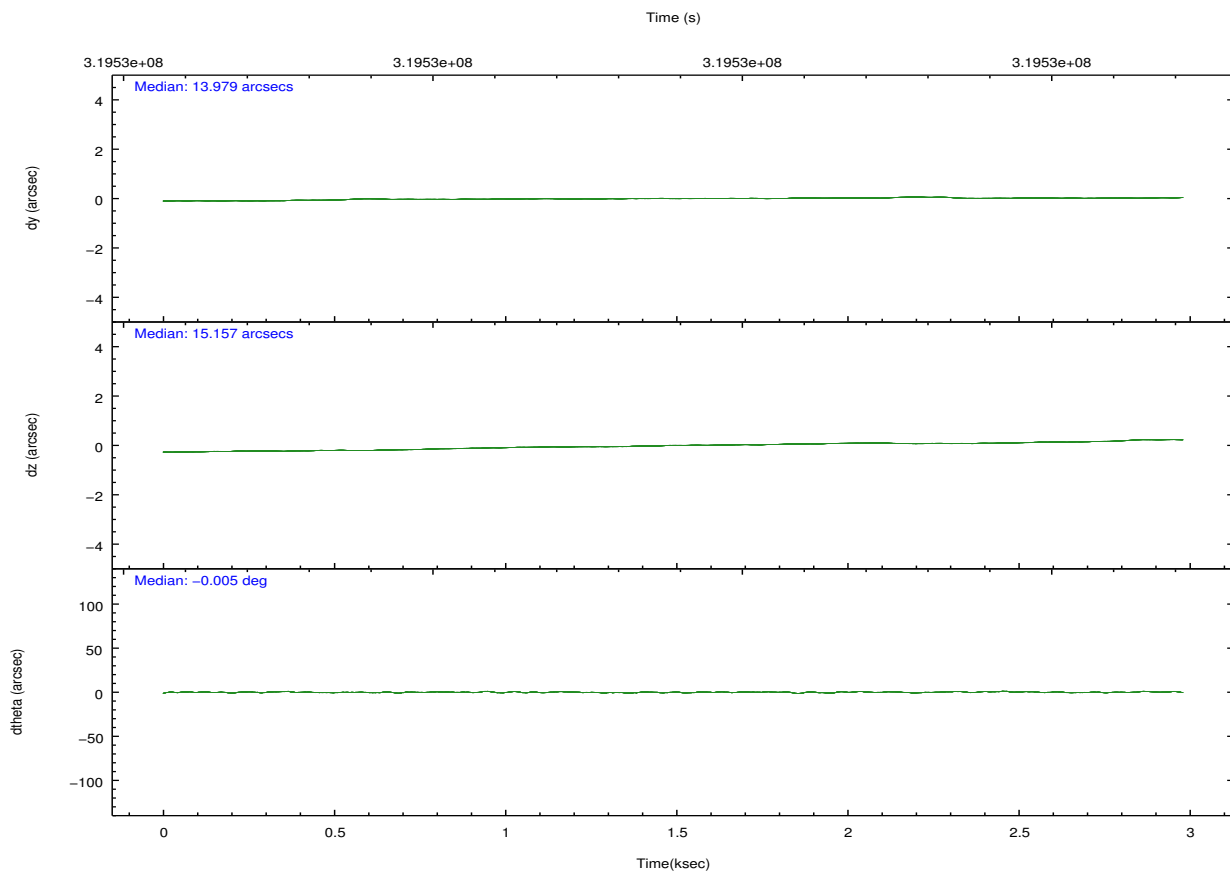
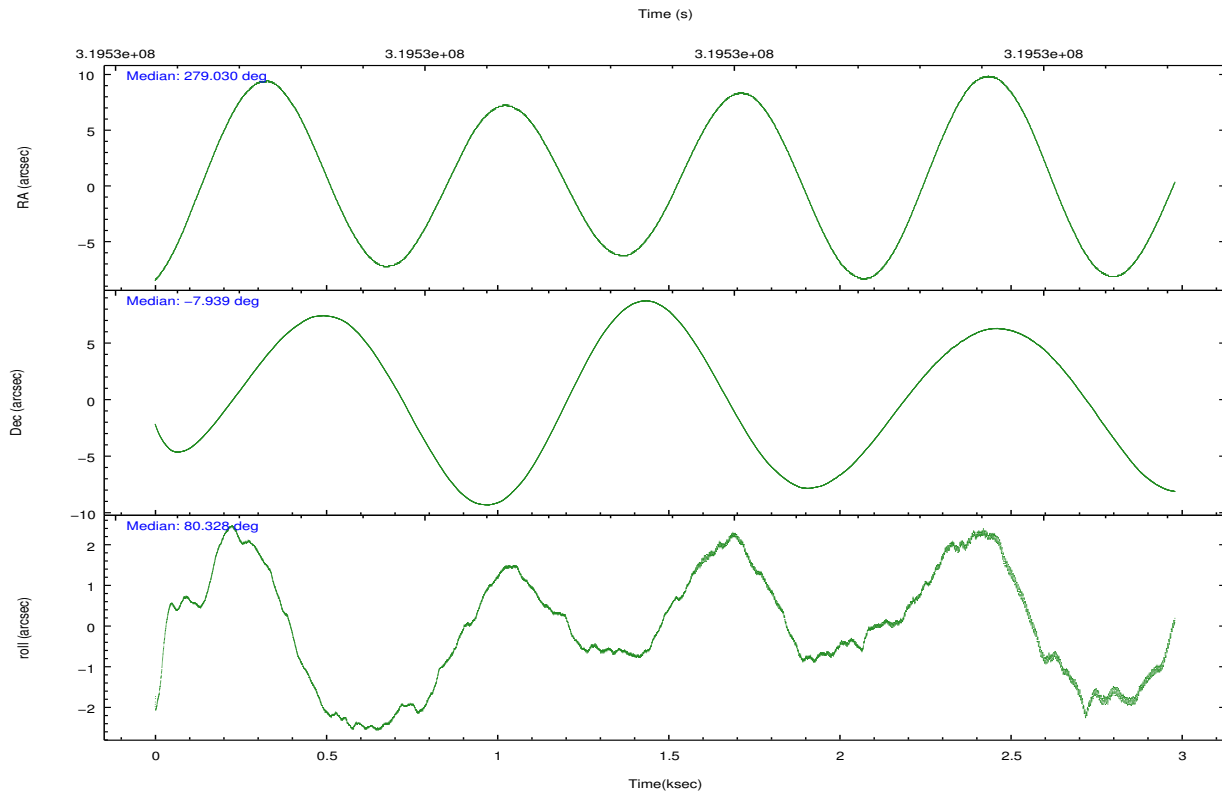
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26428	23512	37397	24262	34184	33691	grade 0 events	1475	1385	1050	1367	1295	2304
rejected events	23272	20414	20459	21073	19615	26422		5%	5%	2%	5%	3%	6%
rejected %	88%	86%	54%	86%	57%	78%	grade 1 events	20	17	64	16	36	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	617	638	5412	691	2937	1588
								2%	2%	14%	2%	8%	4%
							grade 3 events	264	310	609	249	1287	732
								0%	1%	1%	1%	3%	2%
							grade 4 events	271	268	630	308	1235	699
								1%	1%	1%	1%	3%	2%
							grade 5 events	1014	1123	2679	1084	3183	1508
								3%	4%	7%	4%	9%	4%
							grade 6 events	534	499	9259	578	7843	1948
								2%	2%	24%	2%	22%	5%
							grade 7 events	22233	19272	17694	19969	16368	24876
								84%	81%	47%	82%	47%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	279.040192	279.0301858518617	CCD I2 on	O2	Y
[deg] Pointing Dec	-7.964012	-7.938467767337058	CCD I3 on	O3	Y
[deg] Pointing Roll	80.177168	80.33238269876068	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	319528468.184000	319527748.57158	CCD S5 on	N	N
Observation start date	2008-02-16T05:53:23	2008-02-16T05:42:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	319531268.184000	319531619.48427	On-chip summing requested	N	N
Observation end date	2008-02-16T06:40:03	2008-02-16T06:46:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



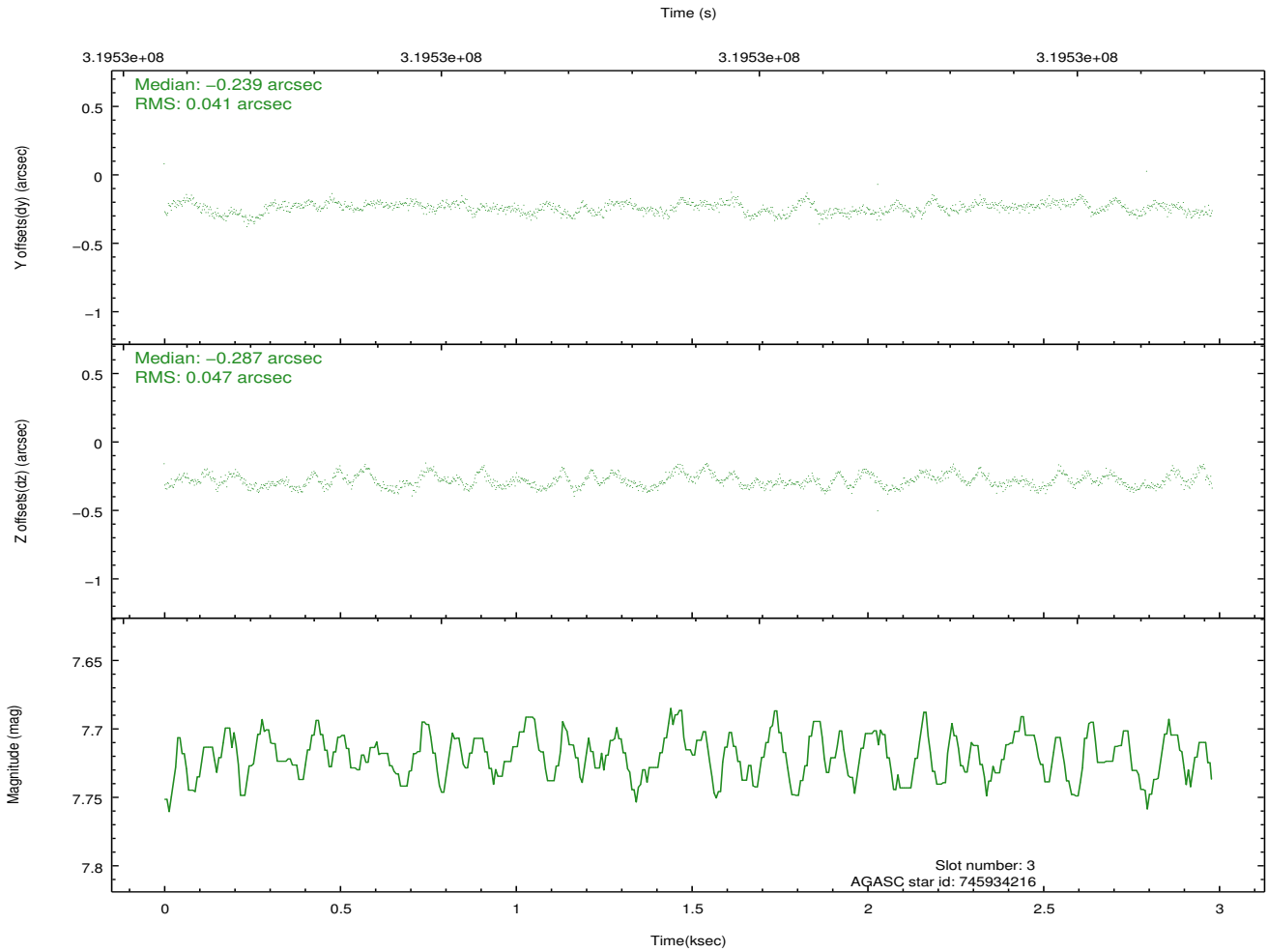
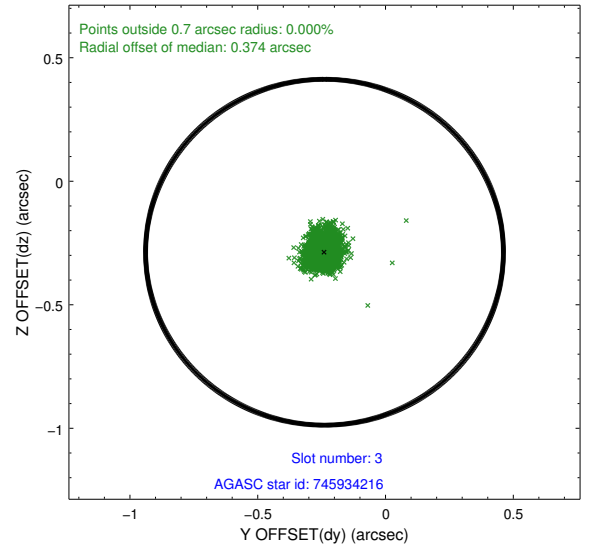
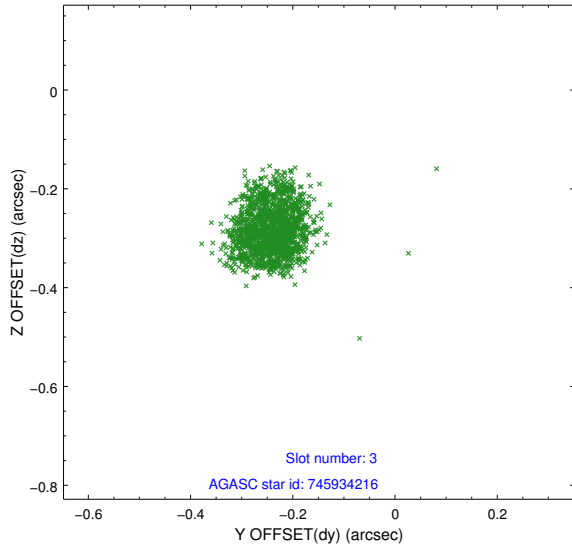


Slot Statistics

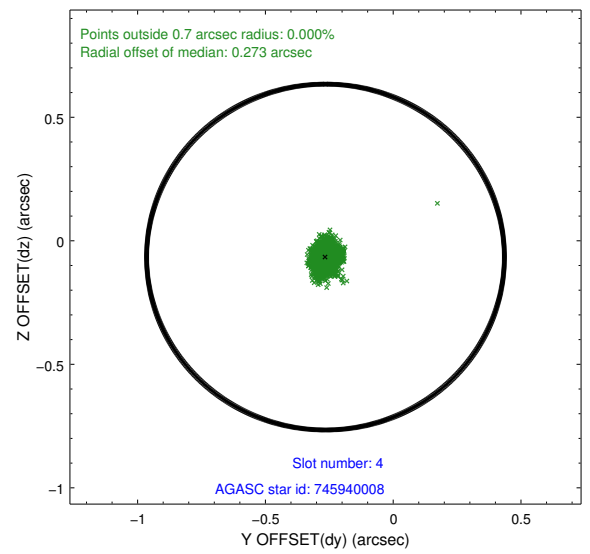
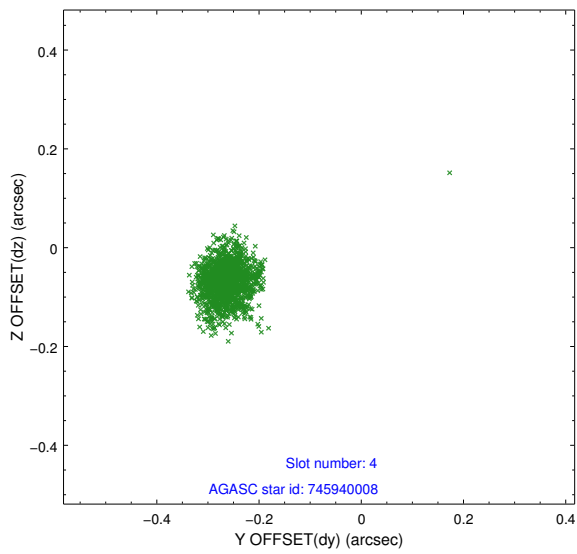
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	727	-0.072	-0.026	0.007	0.011	0.000000	0.000000	-766.96	-1736.50
1	FID	ACIS-S-4	7.19	727	0.190	0.042	0.005	0.010	0.000000	0.000000	2145.57	169.86
2	FID	ACIS-S-5	7.22	727	-0.150	-0.007	0.007	0.011	0.000000	0.000000	-1817.15	165.88
3	GUIDE	745934216	7.72	1454	-0.239	-0.287	0.067	0.100	278.551731	-7.712324	594.35	1871.07
4	GUIDE	745940008	7.13	1455	-0.265	-0.066	0.049	0.078	279.267007	-7.603272	1417.88	-574.77
5	GUIDE	745941072	9.12	1454	0.197	0.087	0.081	0.131	279.150715	-8.545241	-1993.27	-745.27
6	GUIDE	745938592	8.59	1455	0.197	0.102	0.056	0.089	279.317497	-8.670287	-2338.19	-1407.02
7	GUIDE	746076368	9.41	1454	0.113	0.164	0.104	0.167	279.610756	-8.605276	-1930.86	-2396.38

2.4 Star Slots

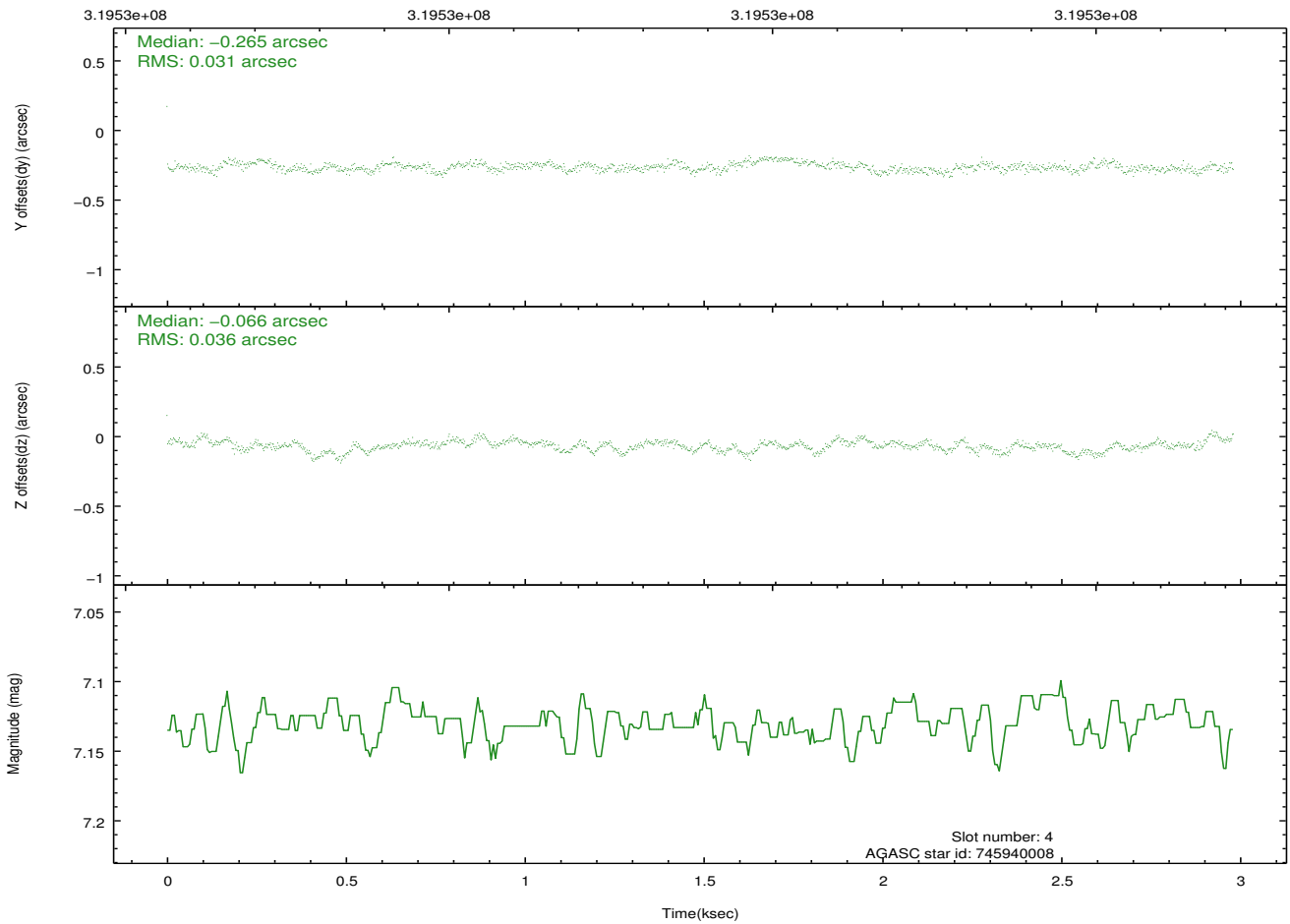
2.4.1 Slot 3



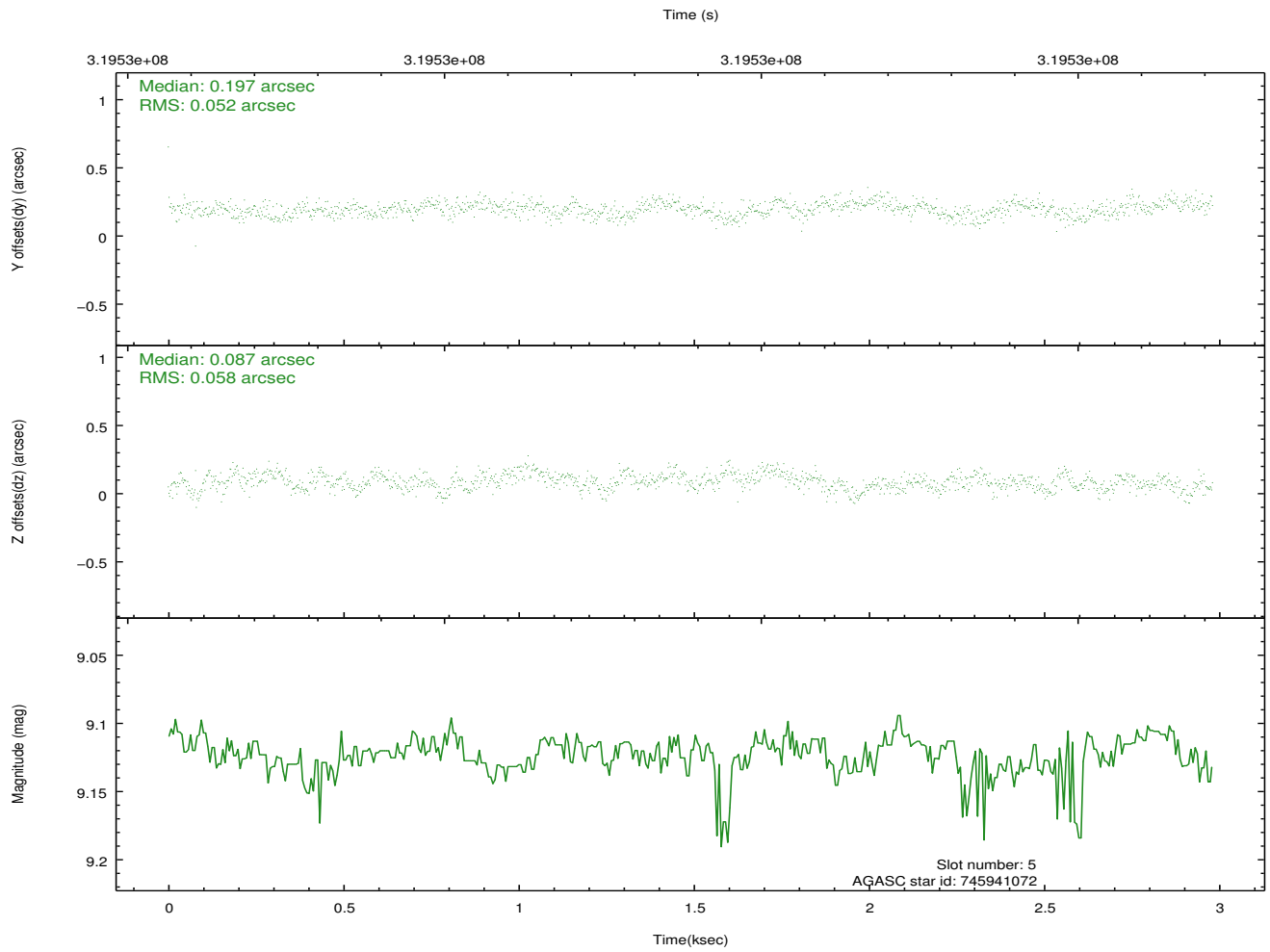
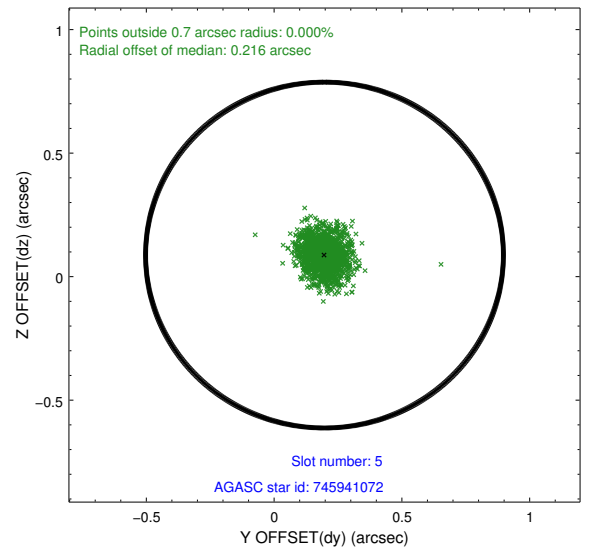
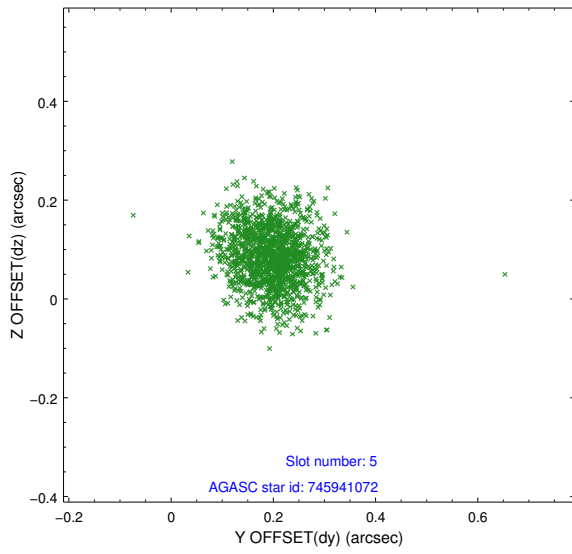
2.4.2 Slot 4



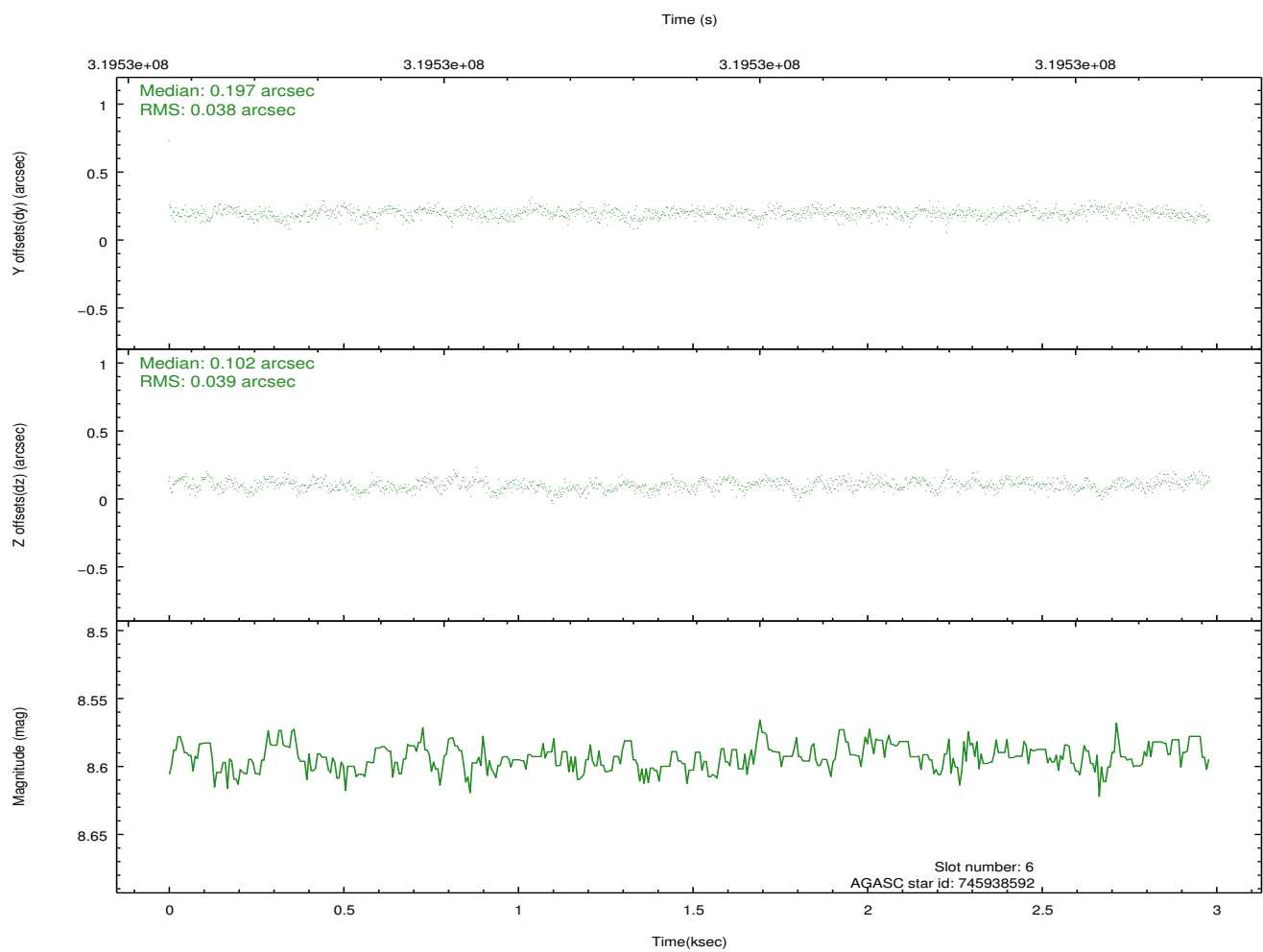
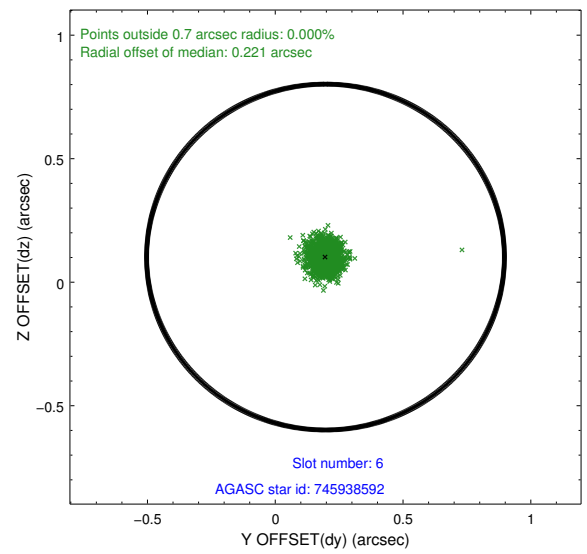
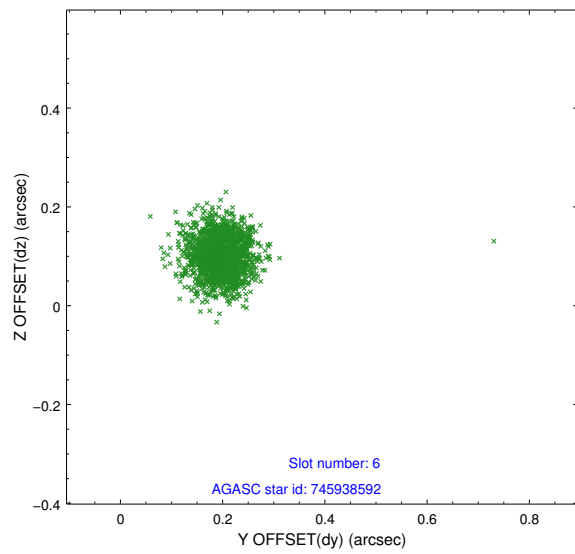
Time (s)



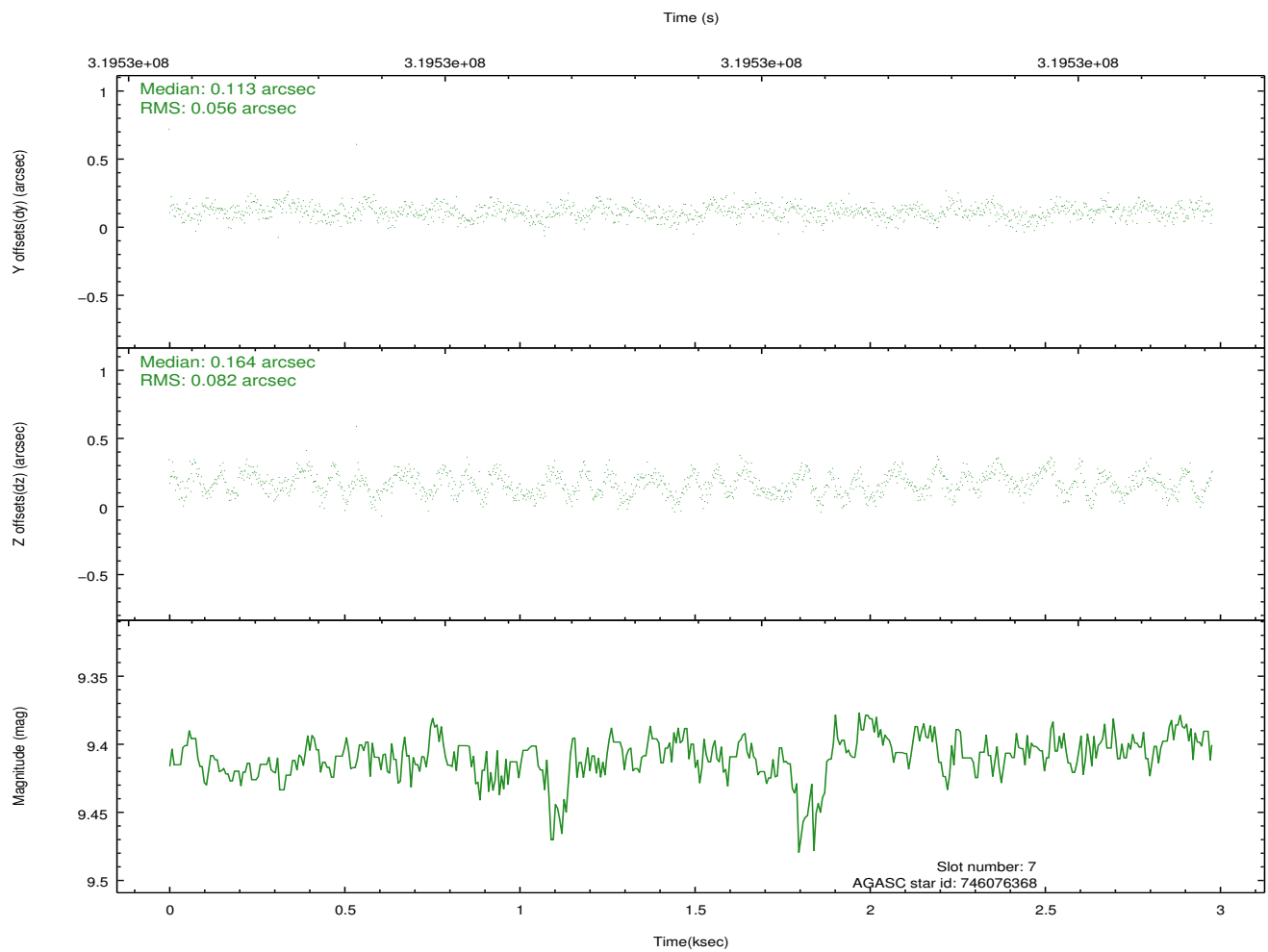
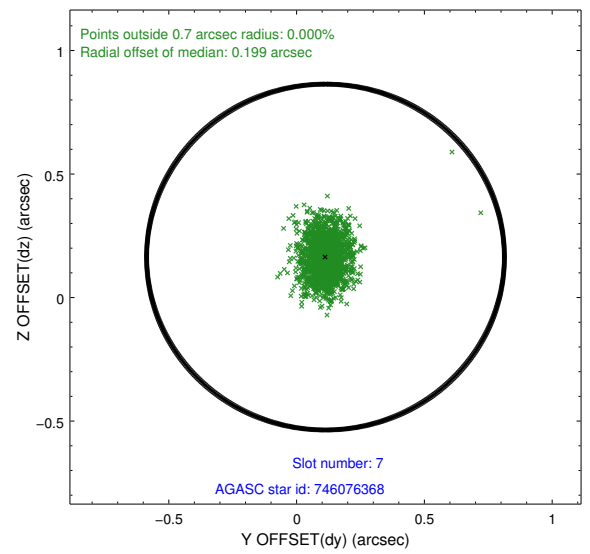
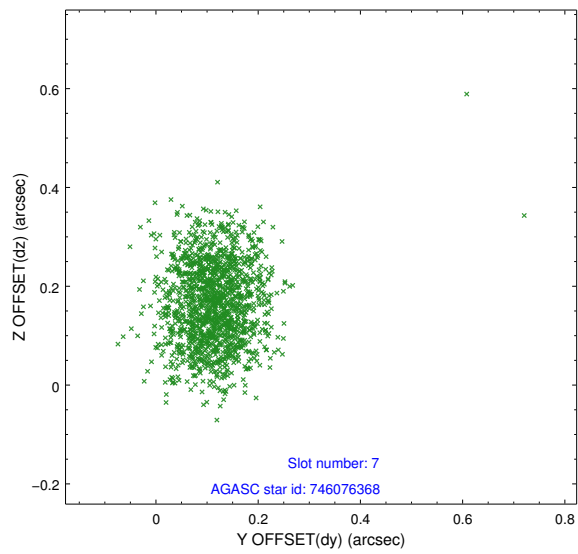
2.4.3 Slot 5



2.4.4 Slot 6

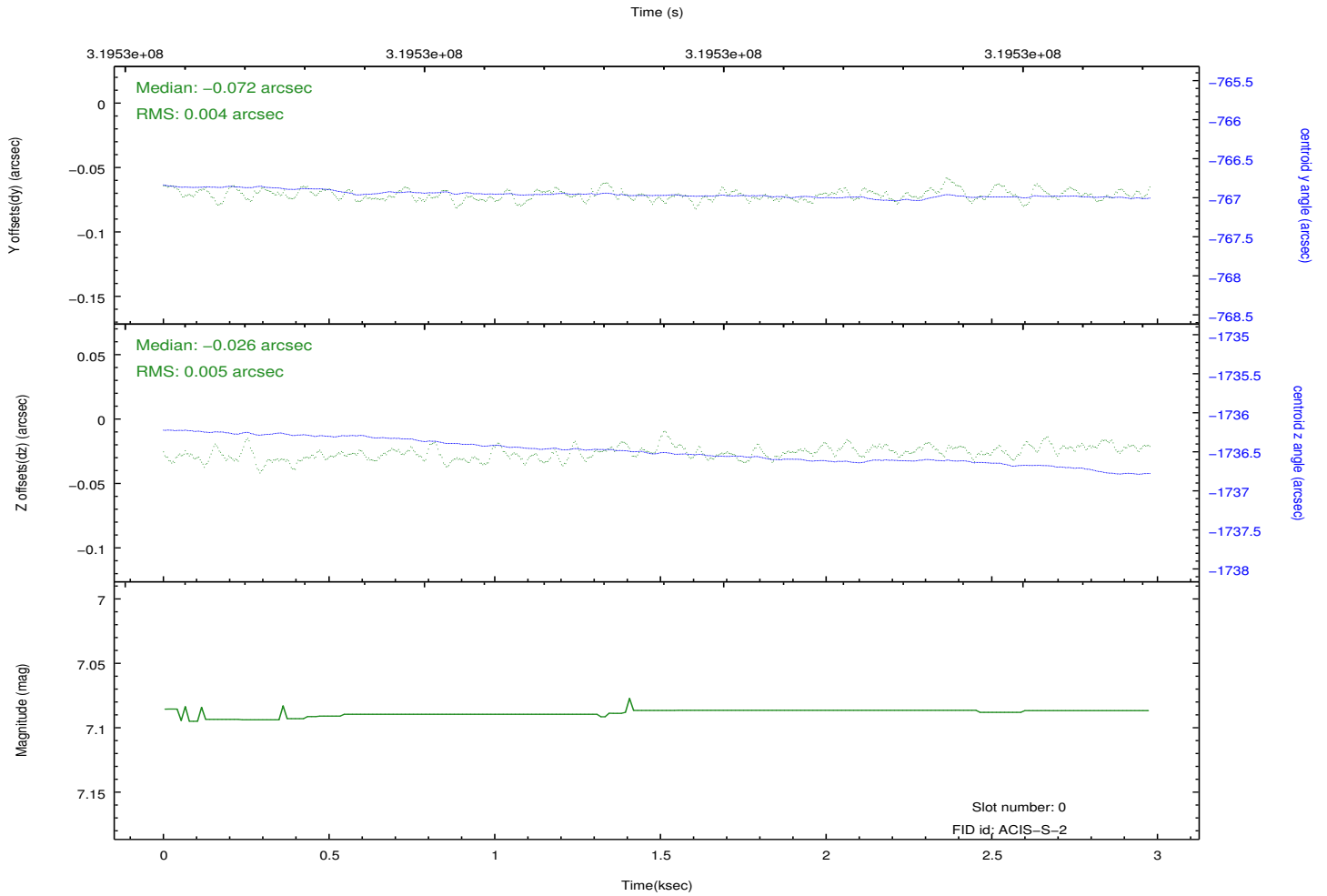
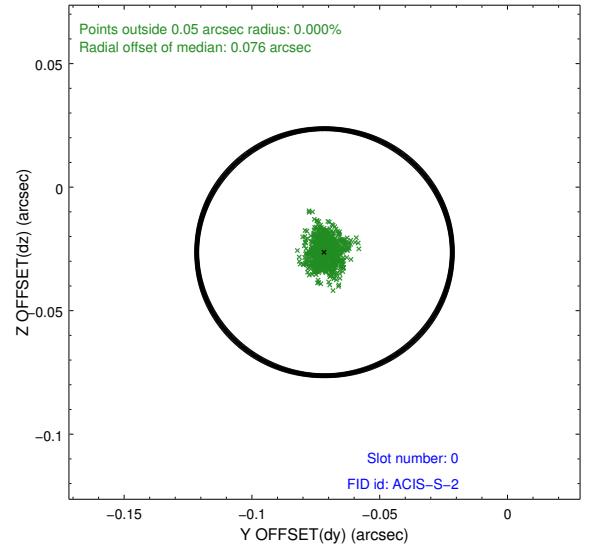
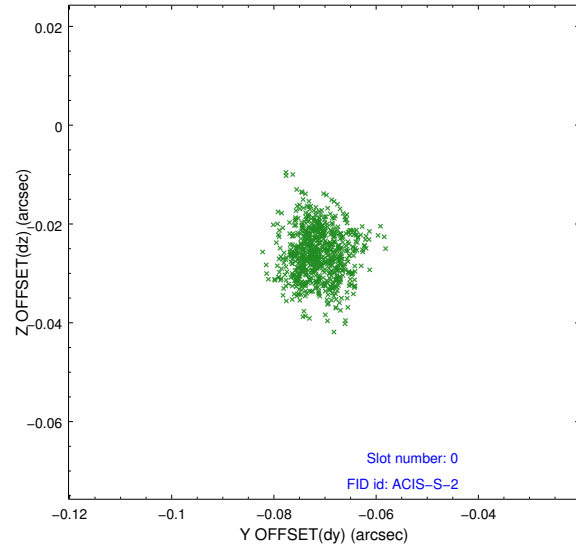


2.4.5 Slot 7

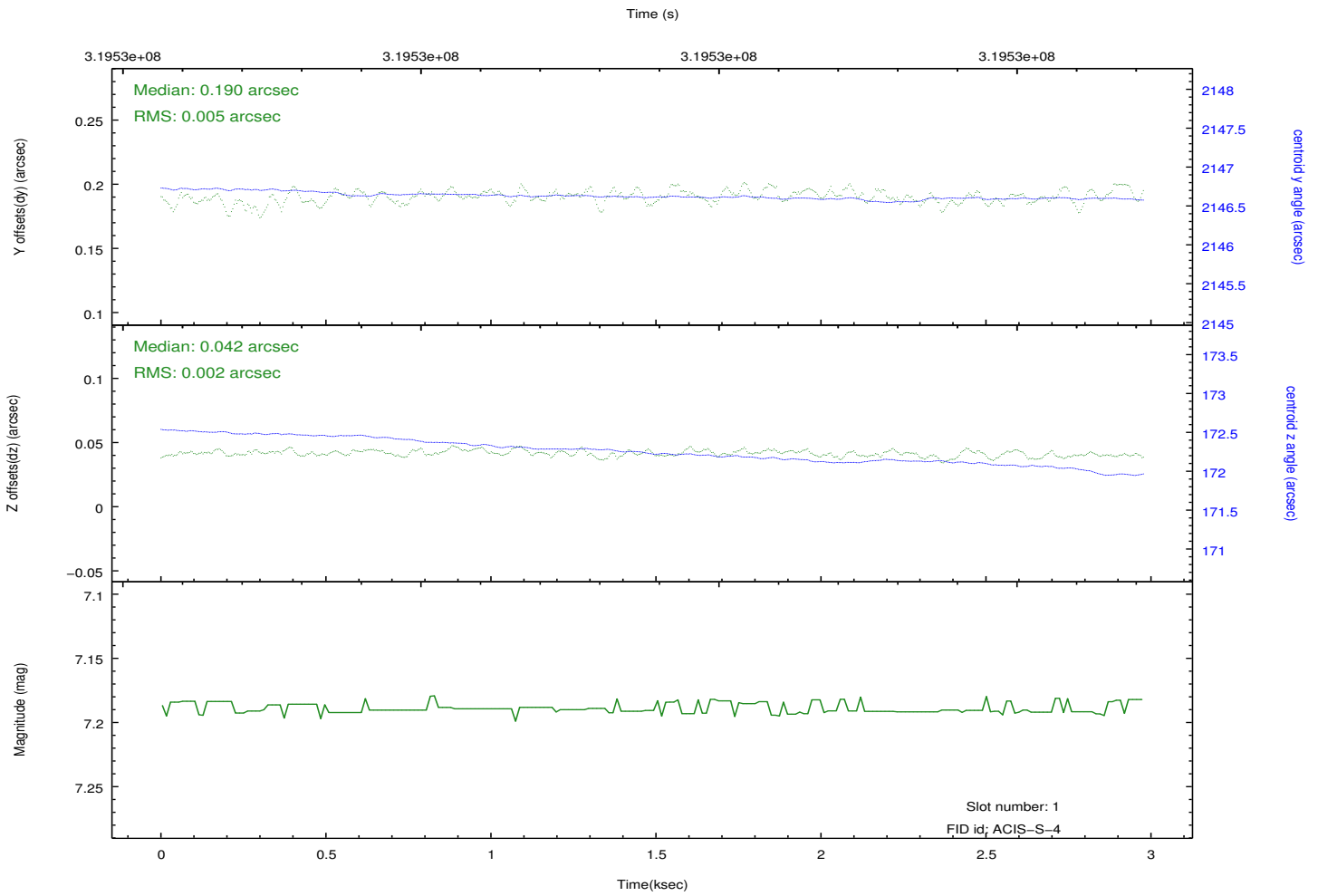
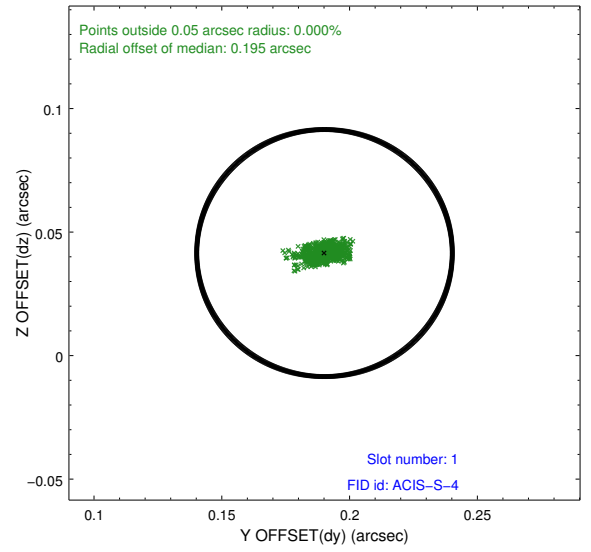
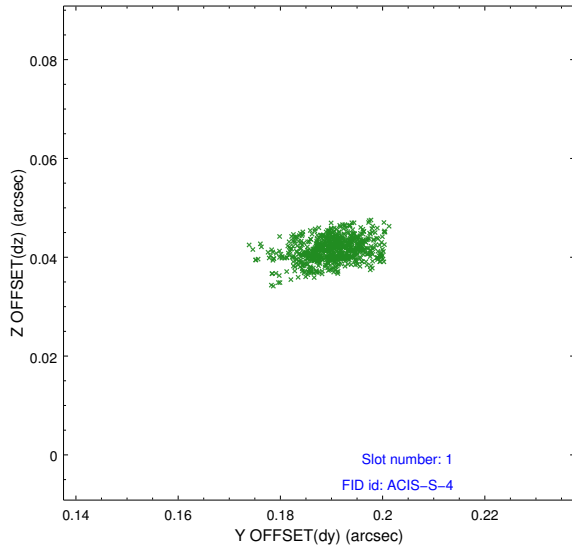


2.5 FID Slots

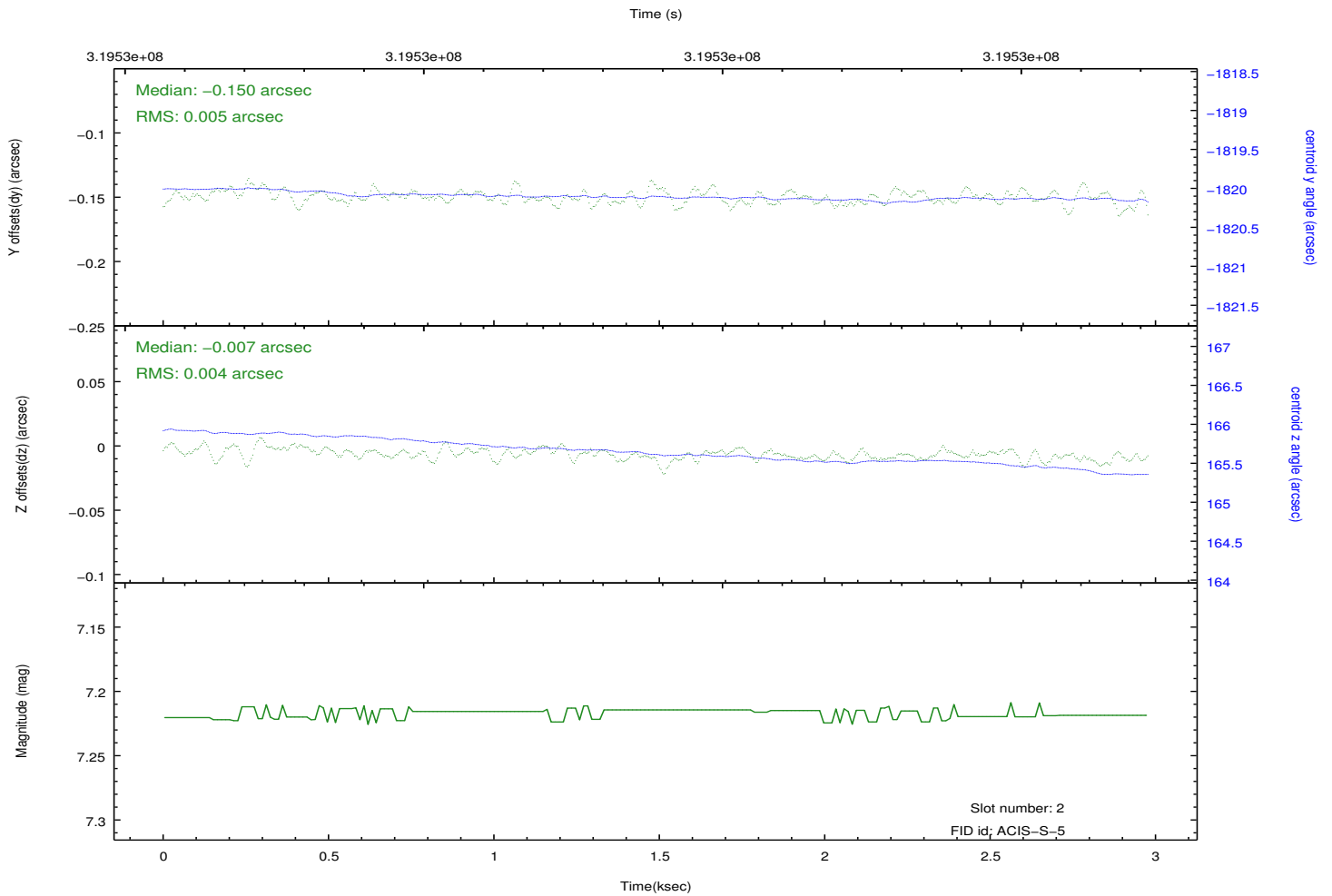
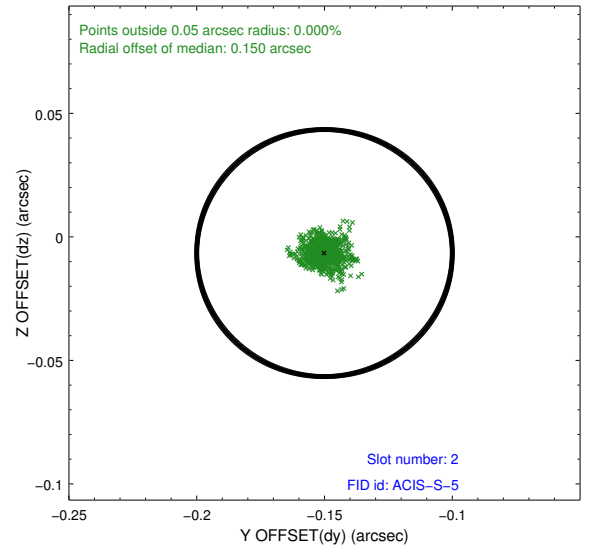
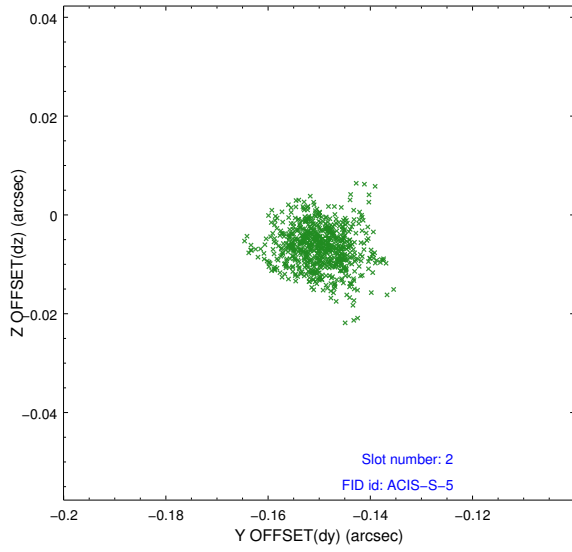
2.5.1 Slot 0



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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.55679999

A.2 Comments