

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9057 - L2 Version 2
Chandra X-Ray Center

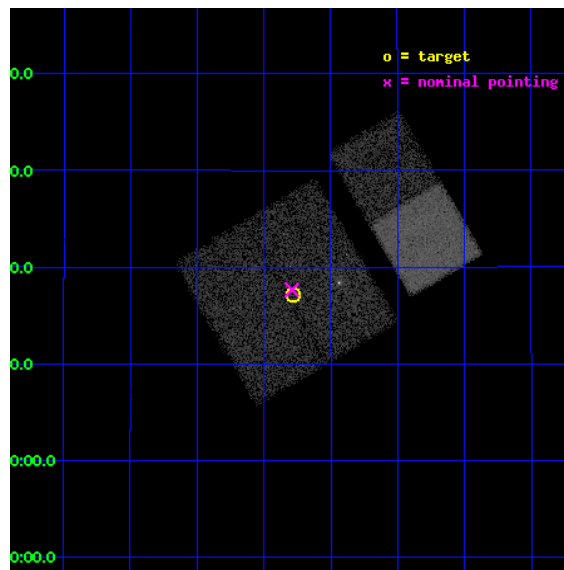
L2 Processing Date : May 10 2012

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

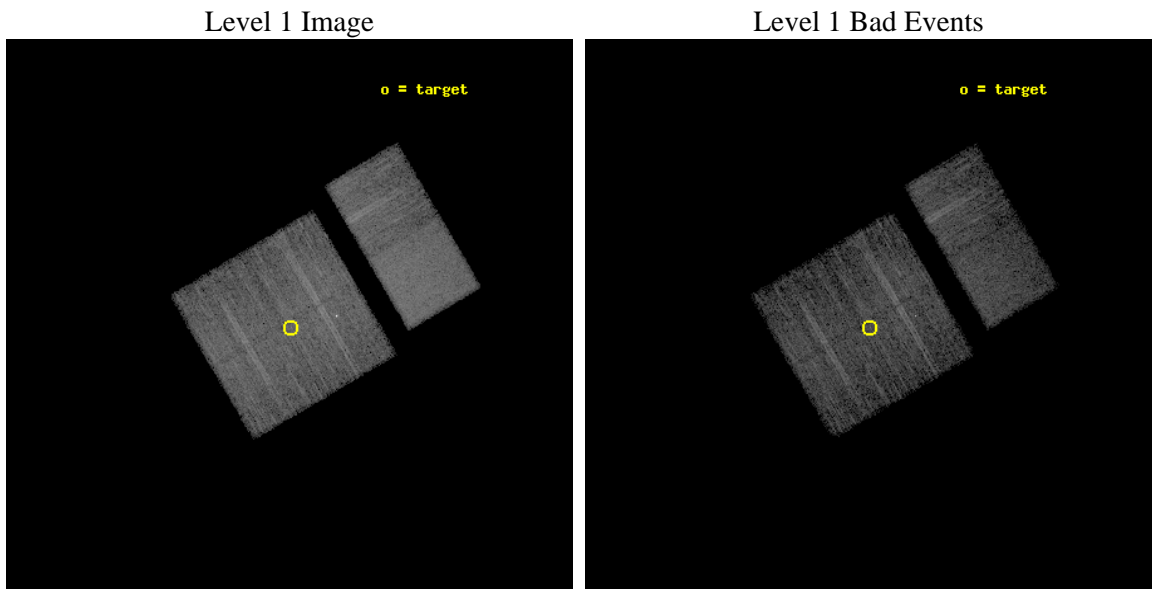
seq_num	400908	Sequence number
obs_id	9057	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J19443+2117	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	296.070833	Observer's specified target RA [deg]
dec_targ	21.286944	Observer's specified target Dec [deg]
ra_nom	296.07279214995	Nominal RA [deg]
dec_nom	21.294446708129	Nominal Dec [deg]
roll_nom	59.518925896144	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4950.1342000961	Sum of GTIs [s]
livetime	4887.4526202415	Livetime [s]
ontime0	4950.0110800862	Sum of GTIs [s]
ontime1	4946.8111198545	Sum of GTIs [s]
ontime2	4950.0931600928	Sum of GTIs [s]
ontime3	4950.1342000961	Sum of GTIs [s]
ontime6	4950.2162801027	Sum of GTIs [s]
ontime7	4950.1752400994	Sum of GTIs [s]
l2events	55876	Number of level 2 events



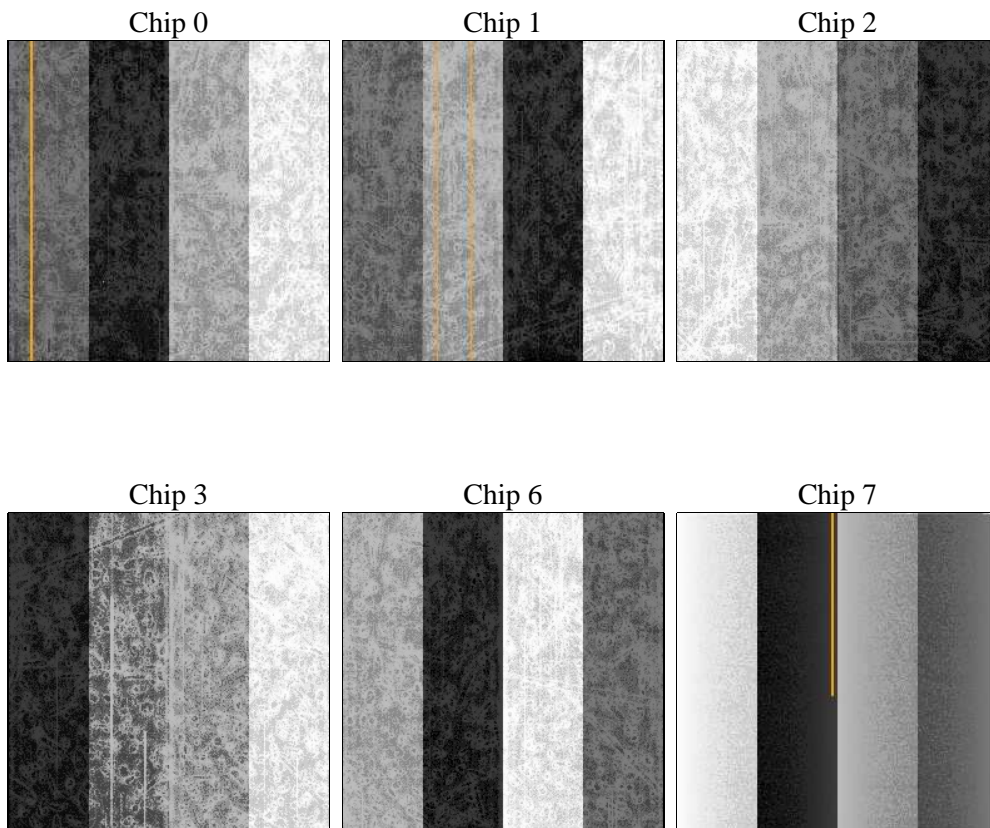
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4950.1342000961	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	4950.0110800862	Sum of GTIs [s]
date	2012-05-10T09:08:02	Date and time of file creation	ontime1	4946.8111198545	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4950.0931600928	Sum of GTIs [s]
			ontime3	4950.1342000961	Sum of GTIs [s]
			ontime6	4950.2162801027	Sum of GTIs [s]
			ontime7	4950.1752400994	Sum of GTIs [s]
			l1events	305649	Number of level 1 events

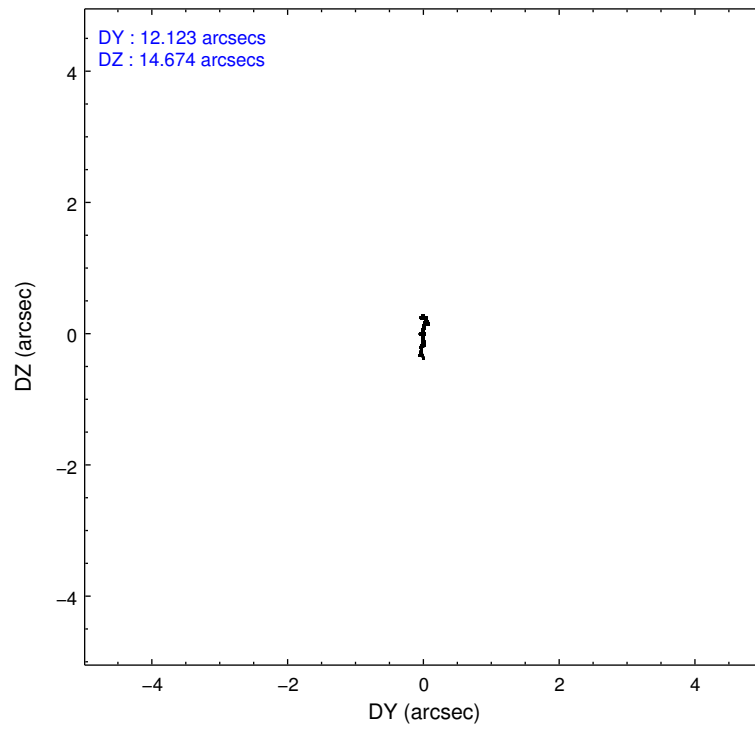
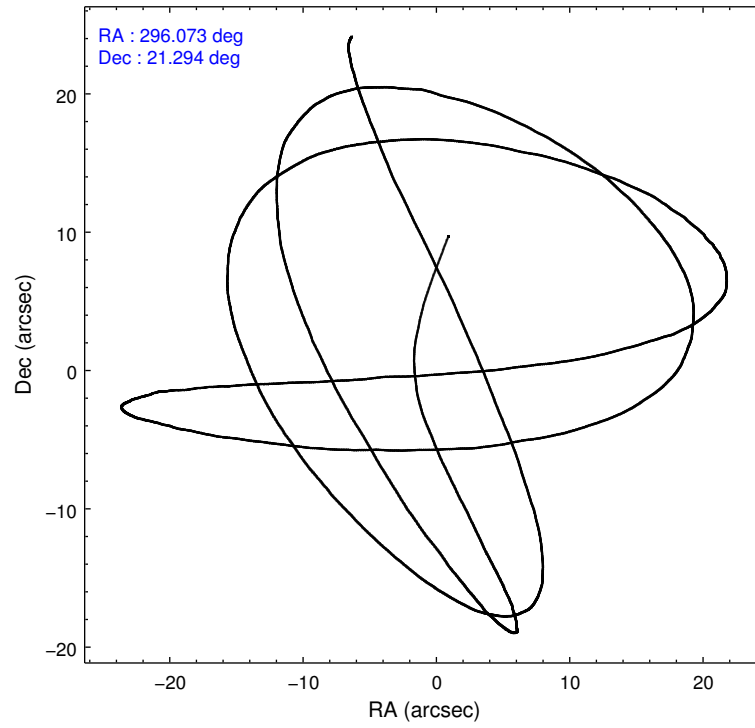
2.1.4 Events

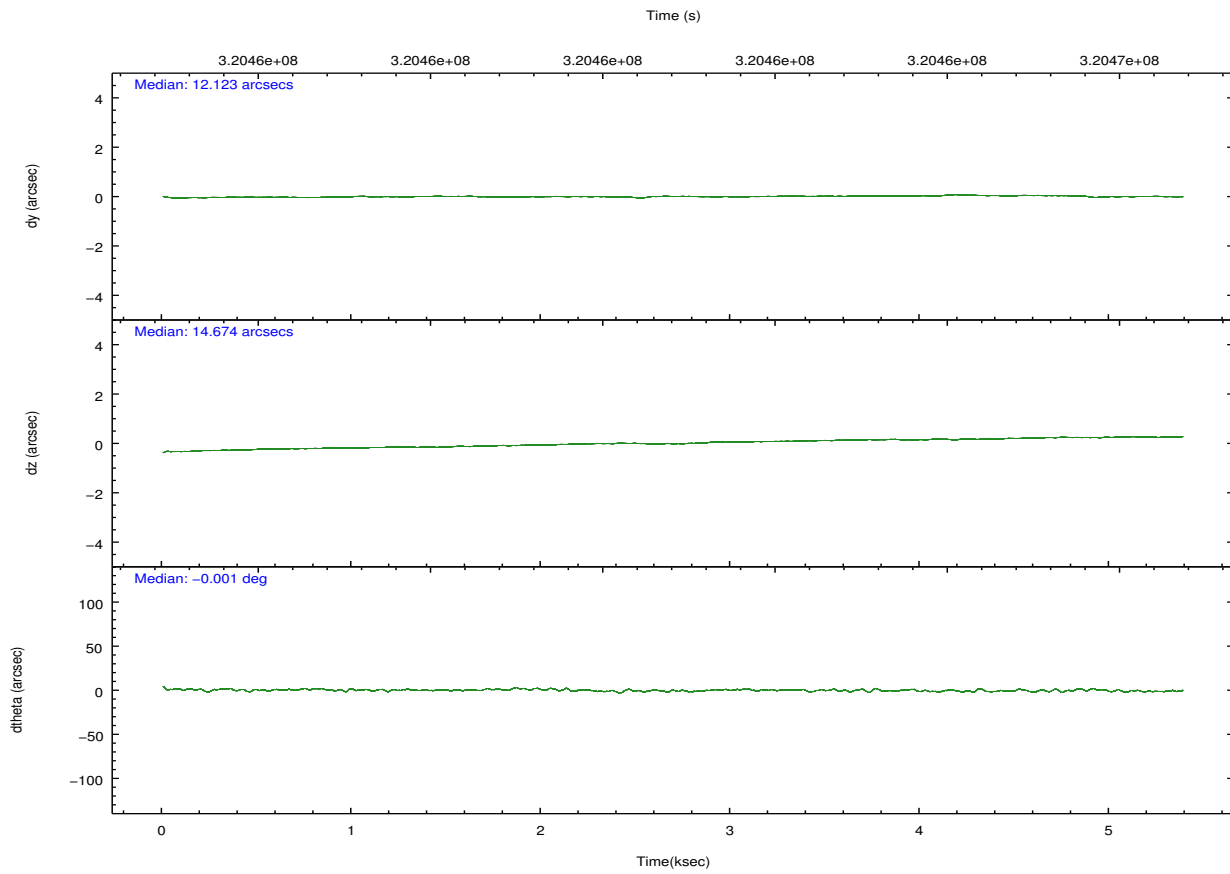
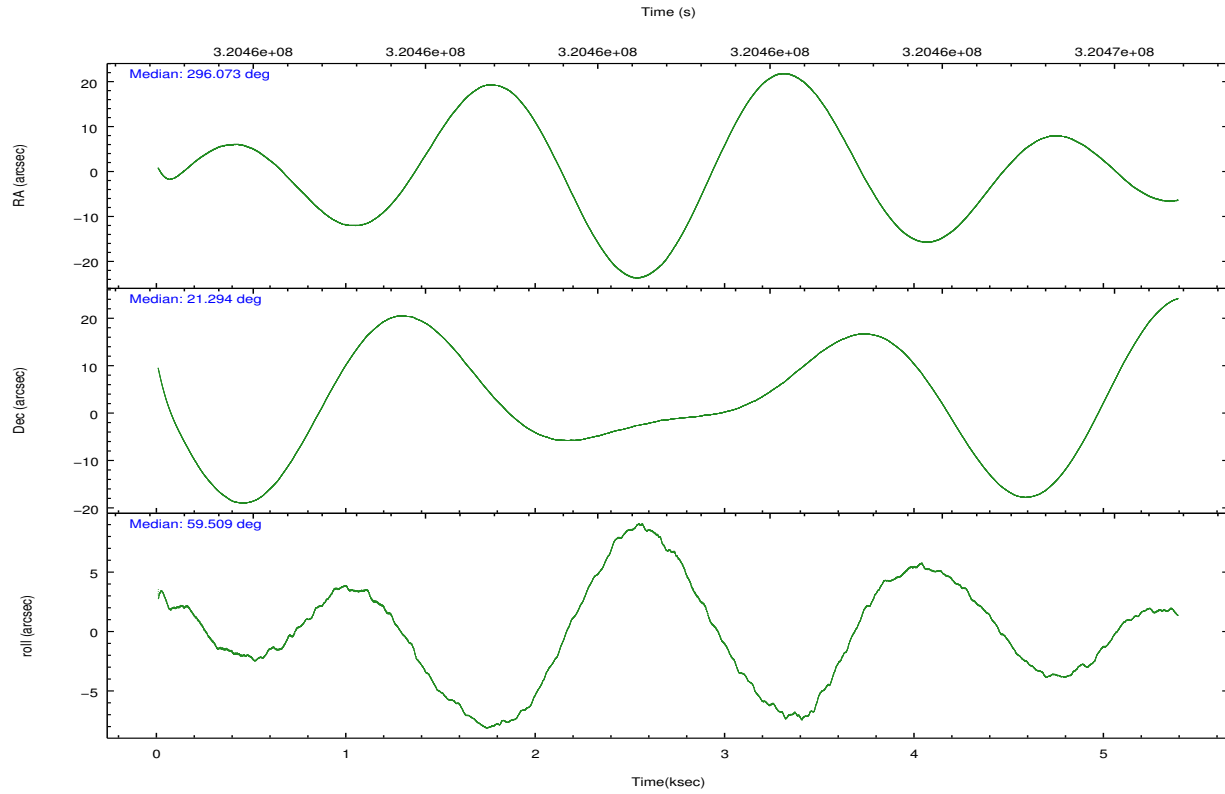
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	44166	45565	50145	51480	48572	65721	grade 0 events	2523	2339	2721	5014	2184	2285
rejected events	38111	39267	44194	42164	42726	38585		5%	5%	5%	9%	4%	3%
rejected %	86%	86%	88%	81%	87%	58%	grade 1 events	34	31	36	229	27	53
								0%	0%	0%	0%	0%	0%
							grade 2 events	1427	1575	1241	1648	1398	5515
								3%	3%	2%	3%	2%	8%
							grade 3 events	556	585	527	736	560	2247
								1%	1%	1%	1%	1%	3%
							grade 4 events	531	578	501	697	505	2290
								1%	1%	0%	1%	1%	3%
							grade 5 events	2007	2172	1919	2409	2345	6161
								4%	4%	3%	4%	4%	9%
							grade 6 events	1030	1231	971	1230	1207	14843
								2%	2%	1%	2%	2%	22%
							grade 7 events	36058	37054	42229	39517	40346	32327
								81%	81%	84%	76%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	296.072684	296.0727921499495	CCD I2 on	Y	Y
[deg] Pointing Dec	21.267316	21.29444670812905	CCD I3 on	Y	Y
[deg] Pointing Roll	59.310279	59.51892589614398	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	320461099.184000	320460035.31683	CCD S5 on	N	N
Observation start date	2008-02-27T00:57:14	2008-02-27T00:40:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	320466099.184000	320466445.15464	On-chip summing requested	N	N
Observation end date	2008-02-27T02:20:34	2008-02-27T02:27:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



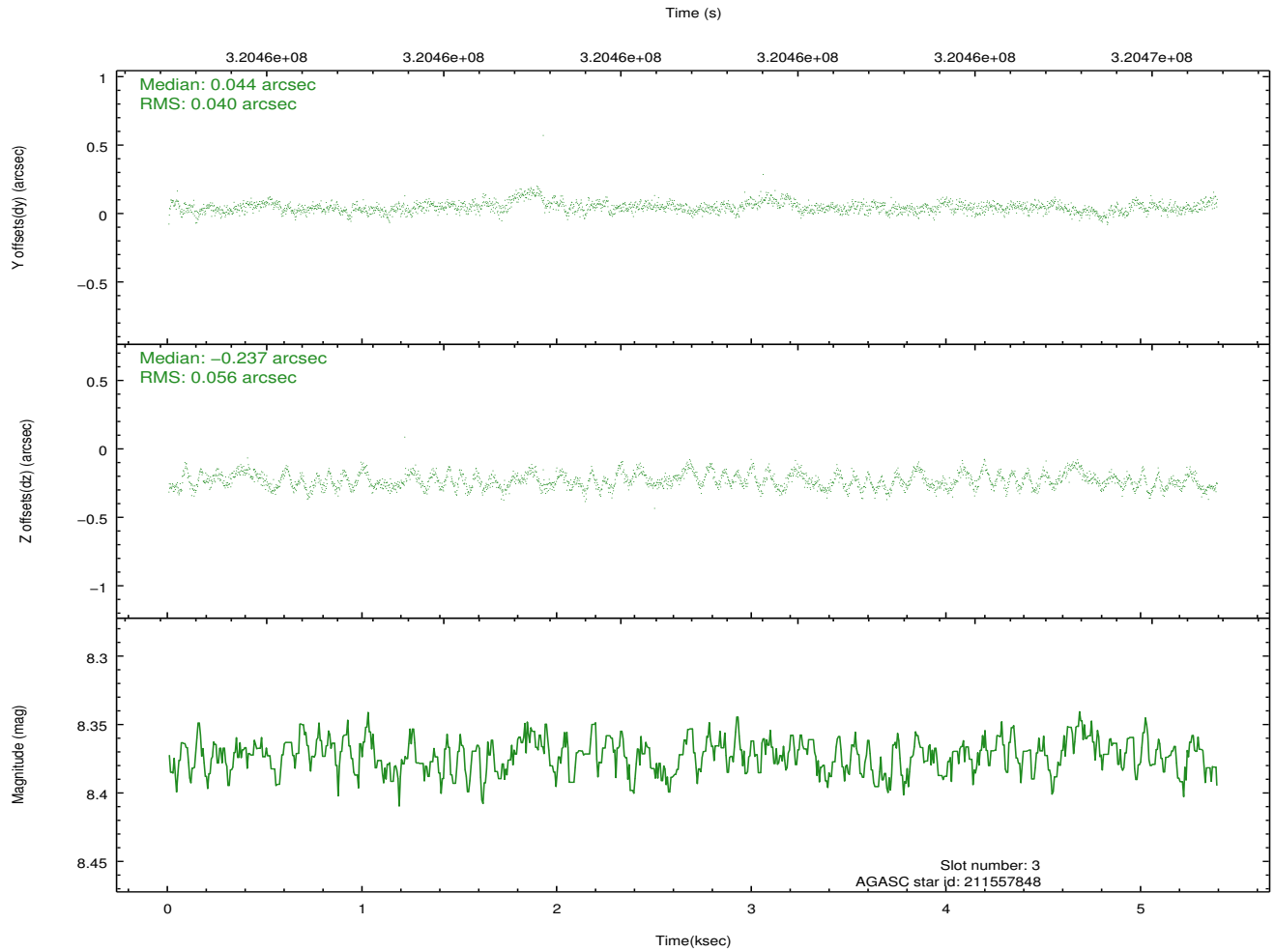
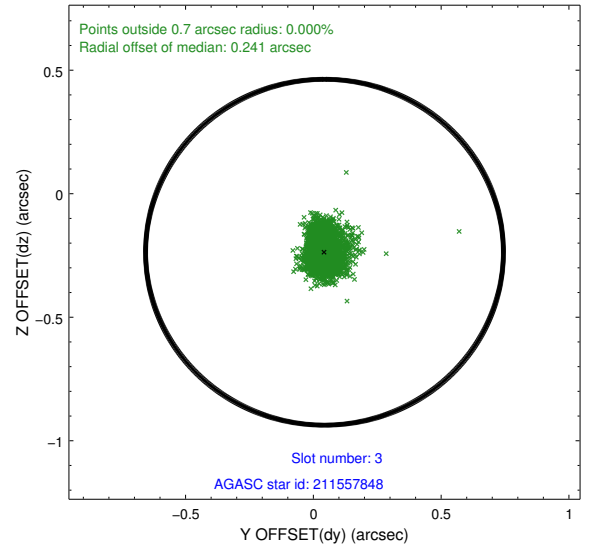
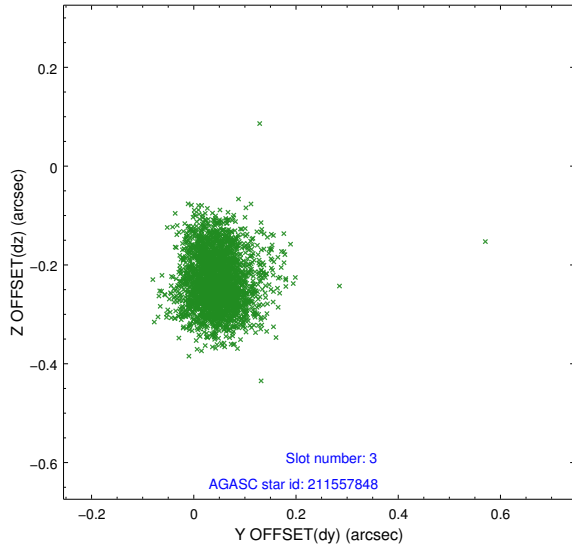


Slot Statistics

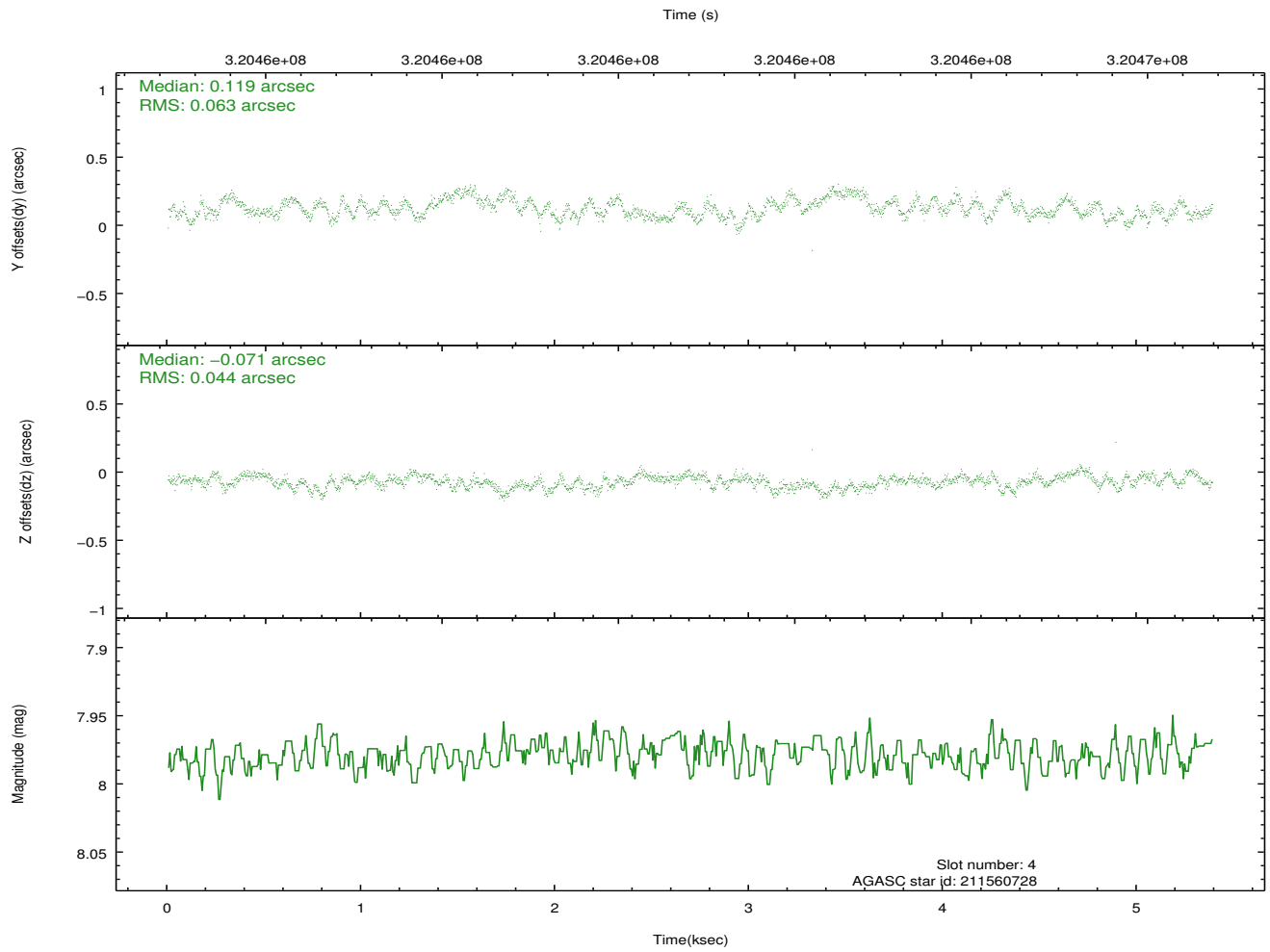
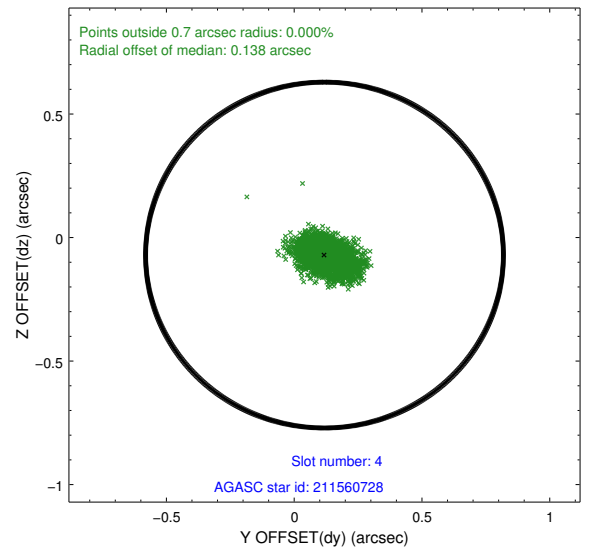
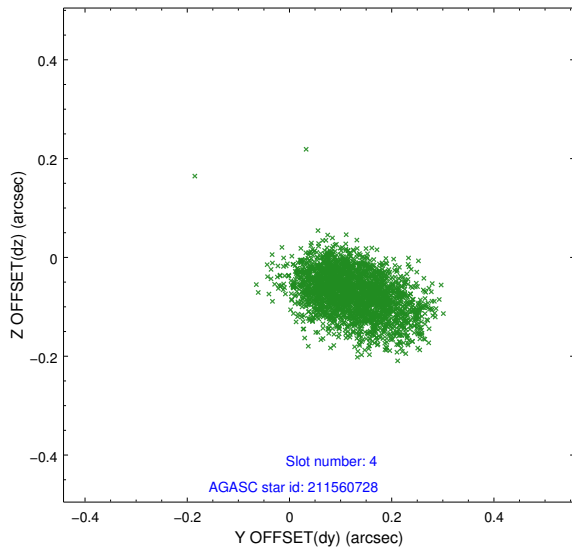
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1314	-0.065	0.065	0.012	0.022	0.000000	0.000000	927.34	-838.21
1	FID	ACIS-I-2	7.14	1314	-0.135	-0.087	0.008	0.014	0.000000	0.000000	-766.20	-845.35
2	FID	ACIS-I-4	7.16	1313	0.102	0.088	0.007	0.015	0.000000	0.000000	2146.91	1061.03
3	GUIDE	211557848	8.37	2627	0.044	-0.237	0.071	0.120	295.500816	21.460755	-375.13	2005.35
4	GUIDE	211560728	7.98	2628	0.119	-0.071	0.080	0.136	295.527199	21.008951	-1731.80	1104.65
5	GUIDE	213269376	8.55	2628	-0.142	0.046	0.072	0.122	296.899180	21.461691	2022.28	-2018.78
6	GUIDE	213276176	8.77	2626	0.016	0.089	0.091	0.147	296.580859	20.926377	-178.46	-2094.50
7	GUIDE	213269392	9.27	2623	-0.042	0.167	0.105	0.178	296.853888	21.369097	1659.12	-2061.37

2.4 Star Slots

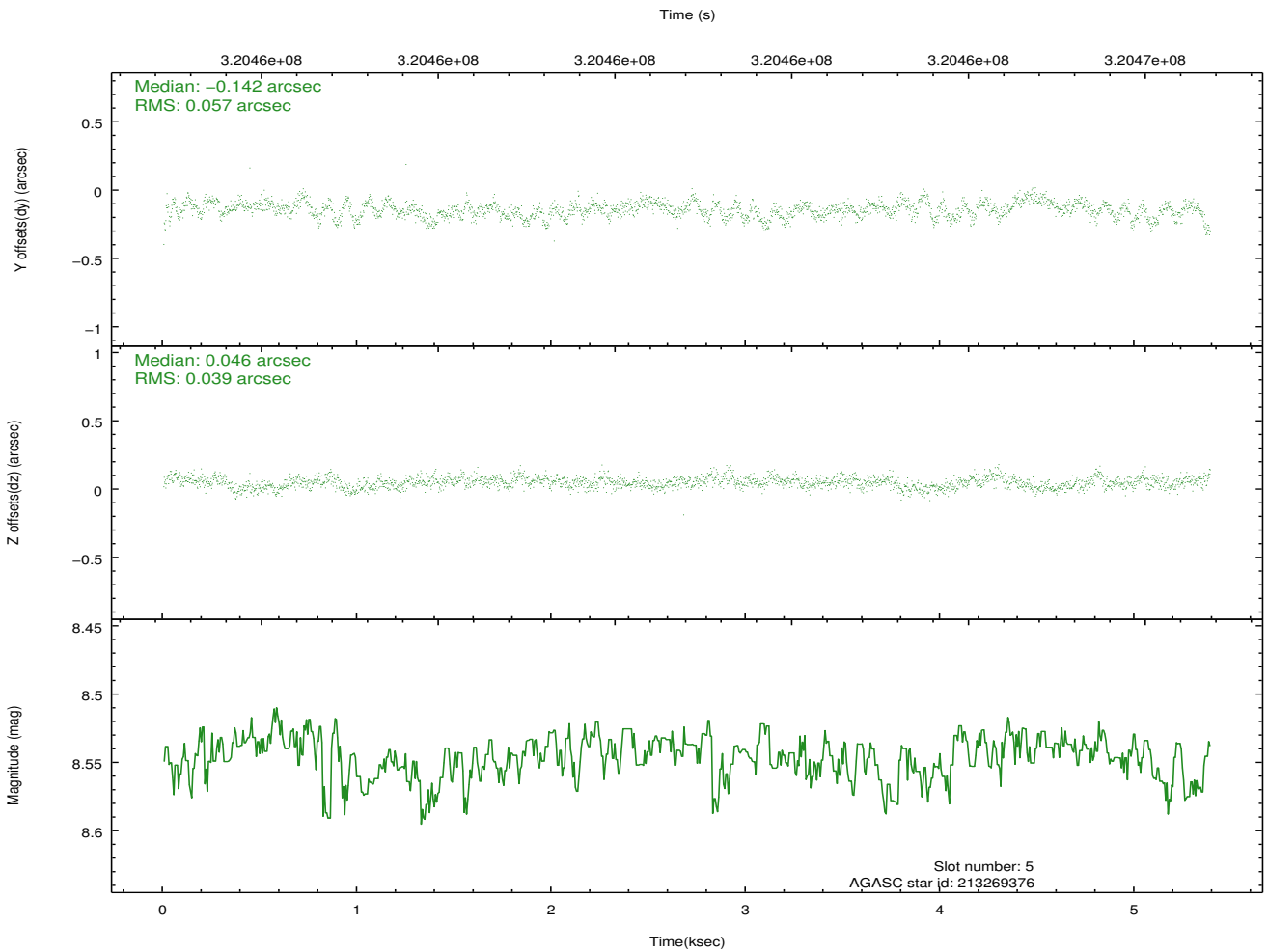
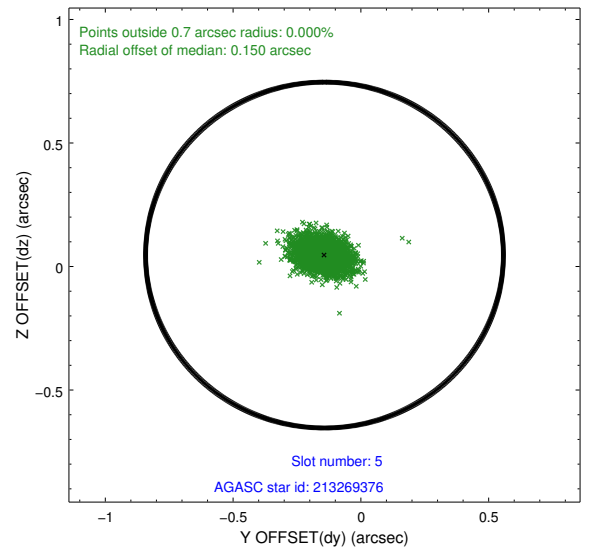
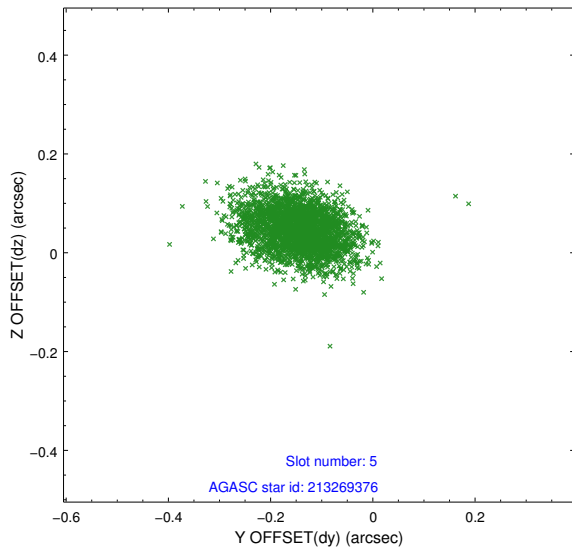
2.4.1 Slot 3



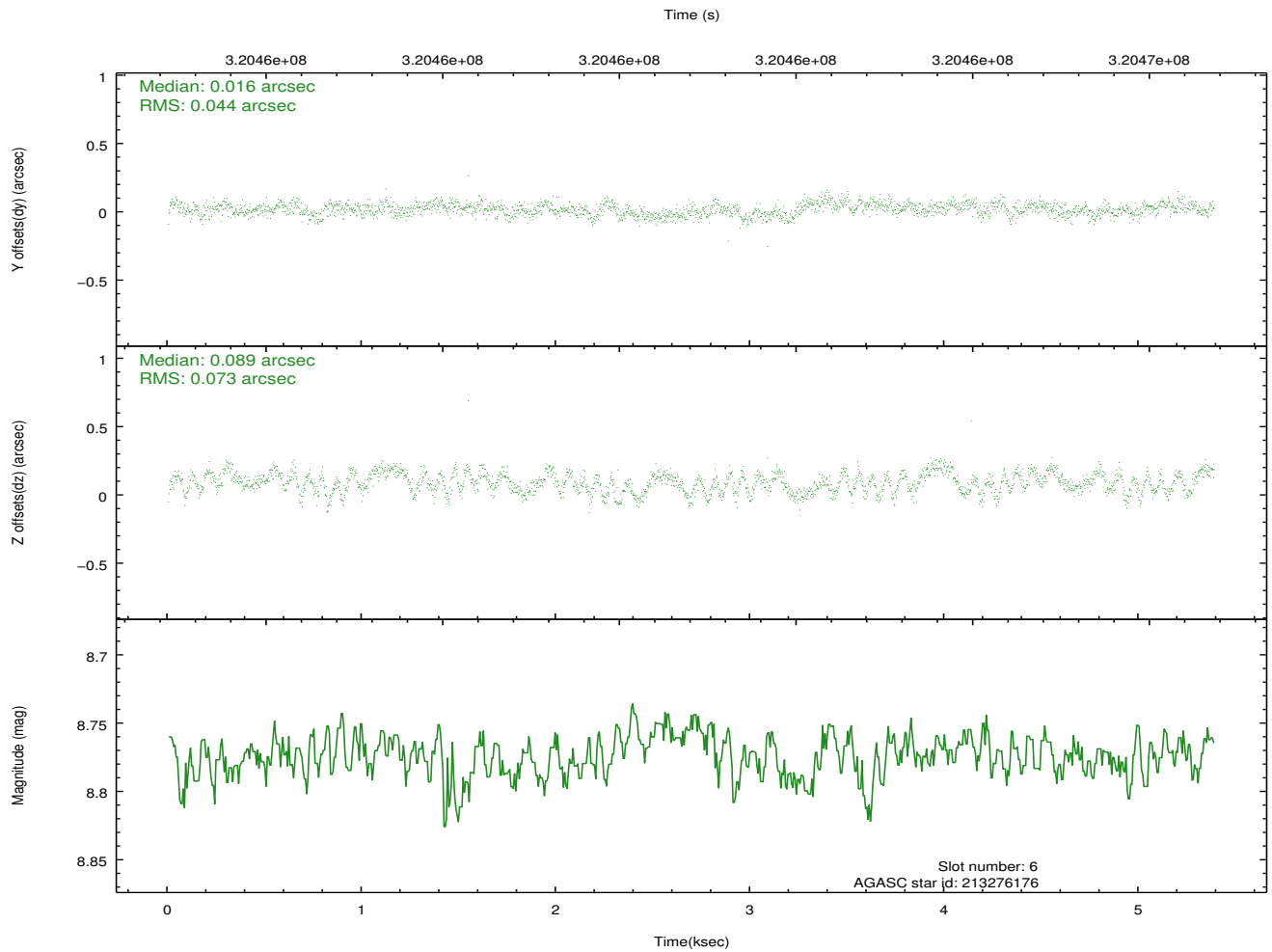
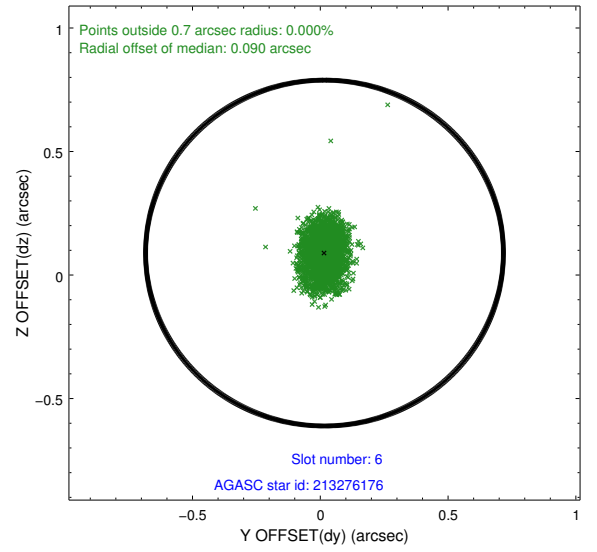
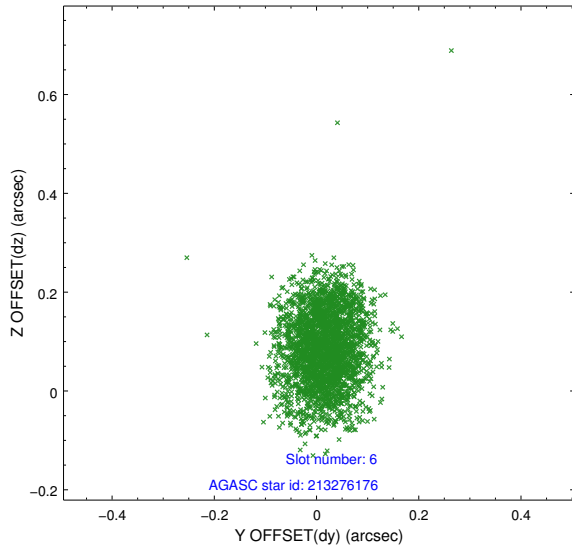
2.4.2 Slot 4



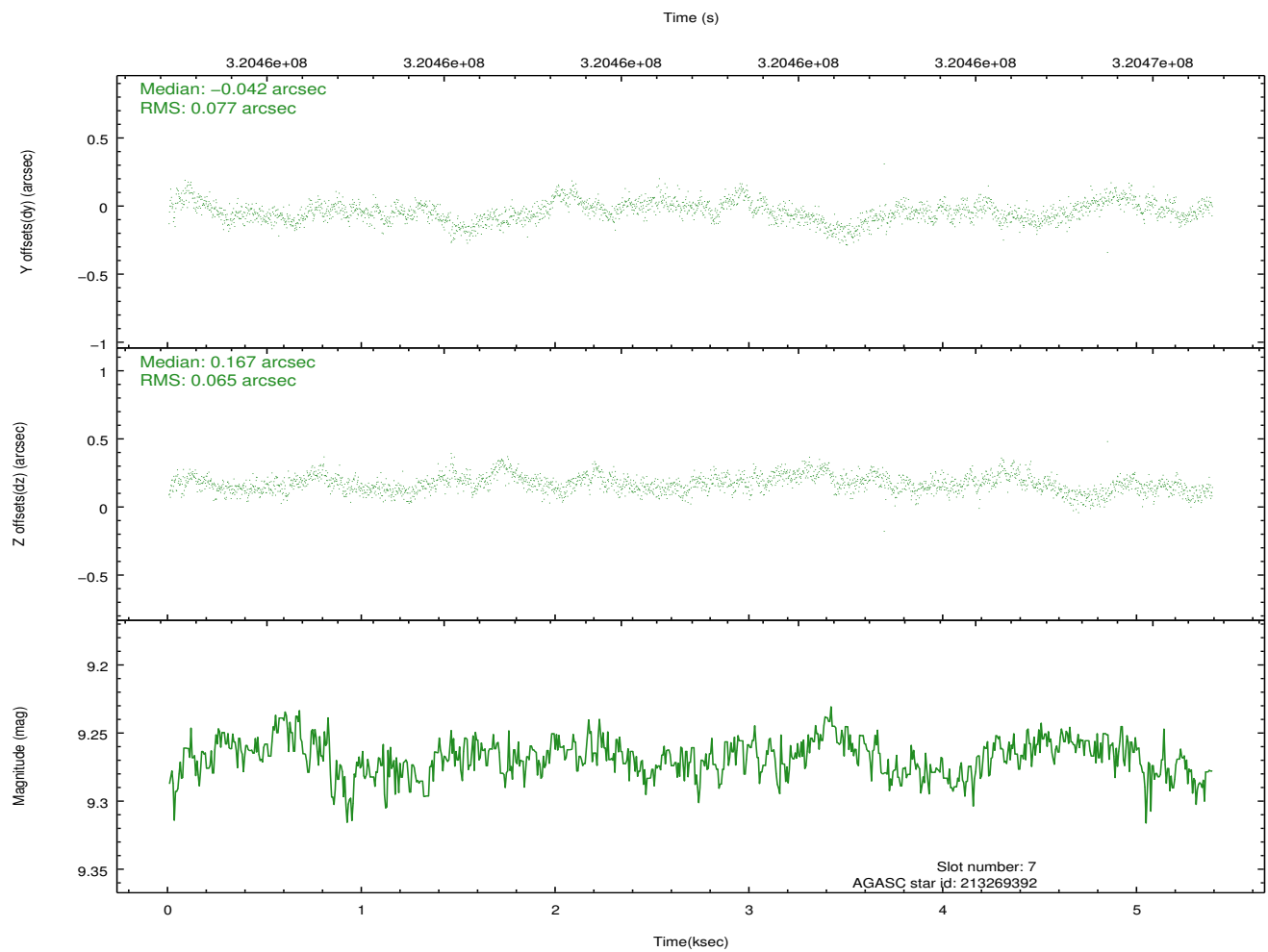
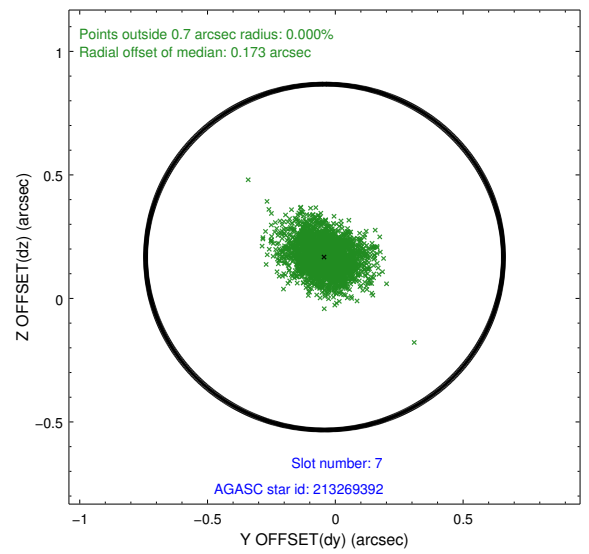
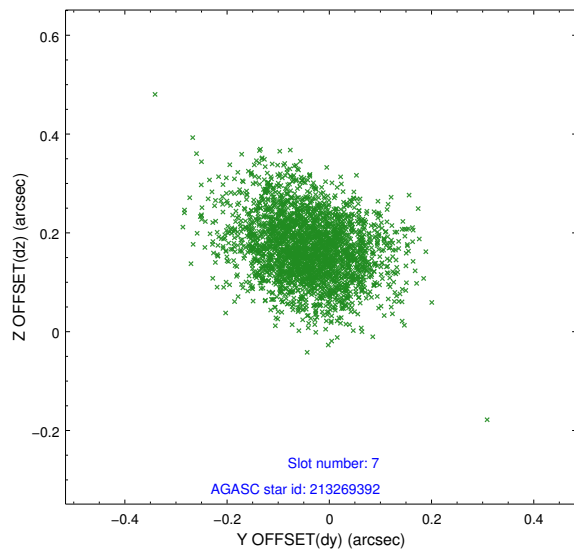
2.4.3 Slot 5



2.4.4 Slot 6

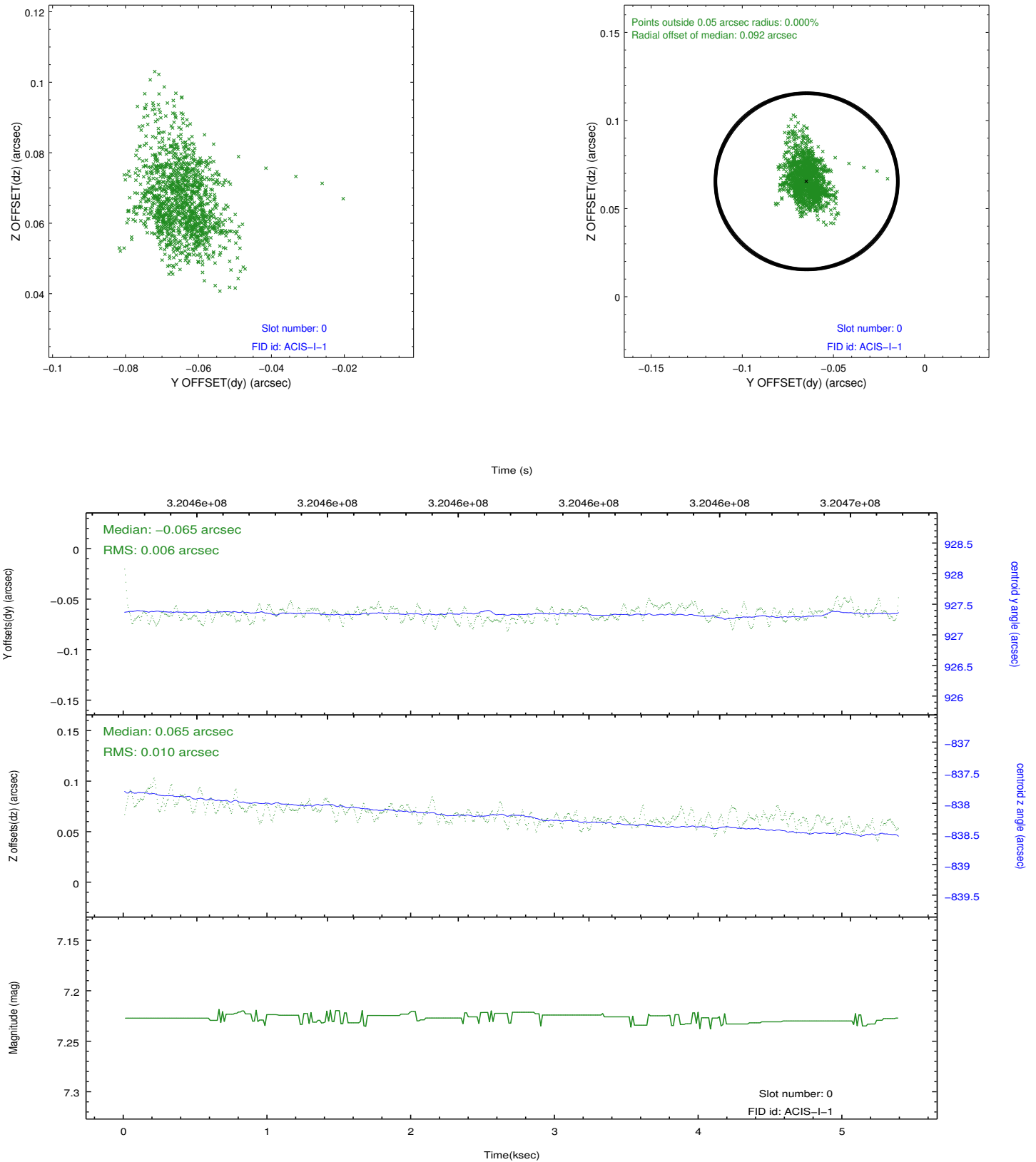


2.4.5 Slot 7

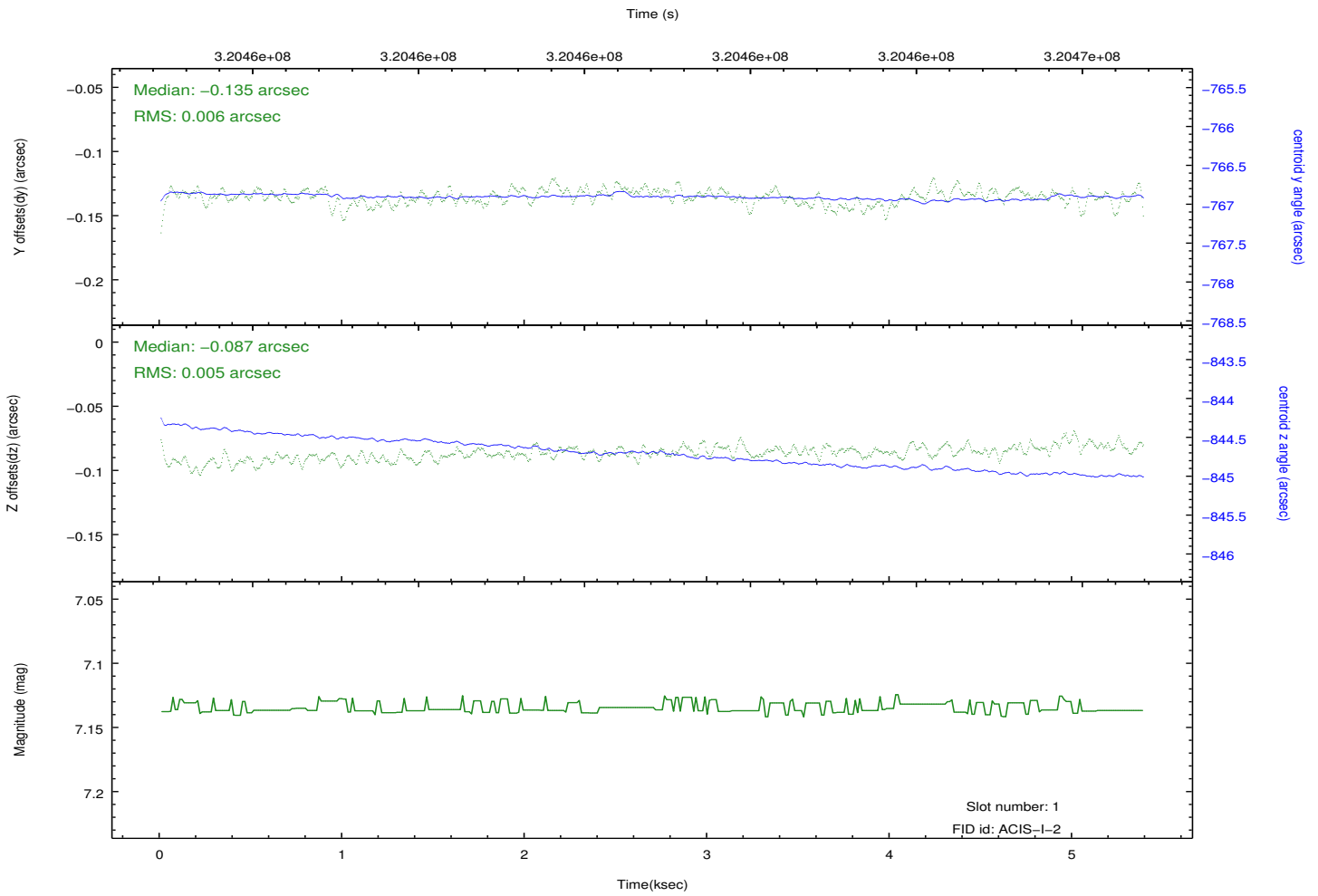
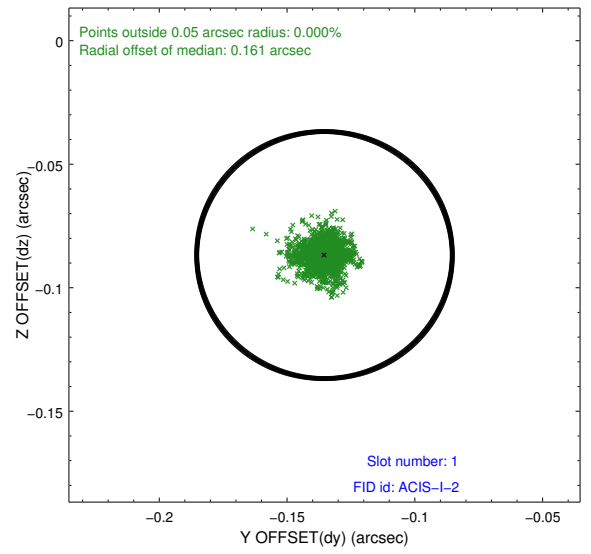
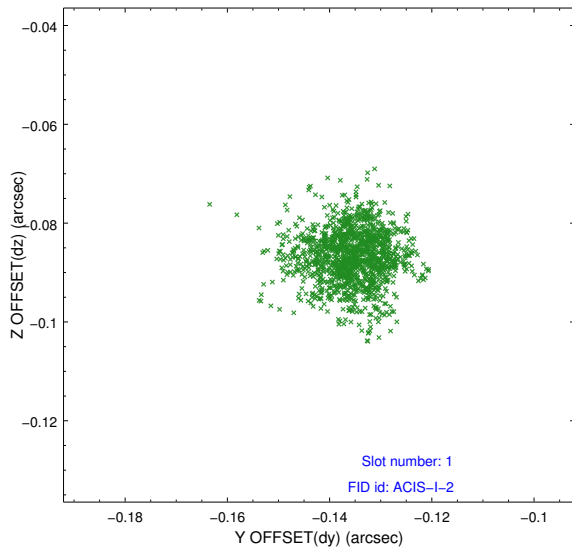


2.5 FID Slots

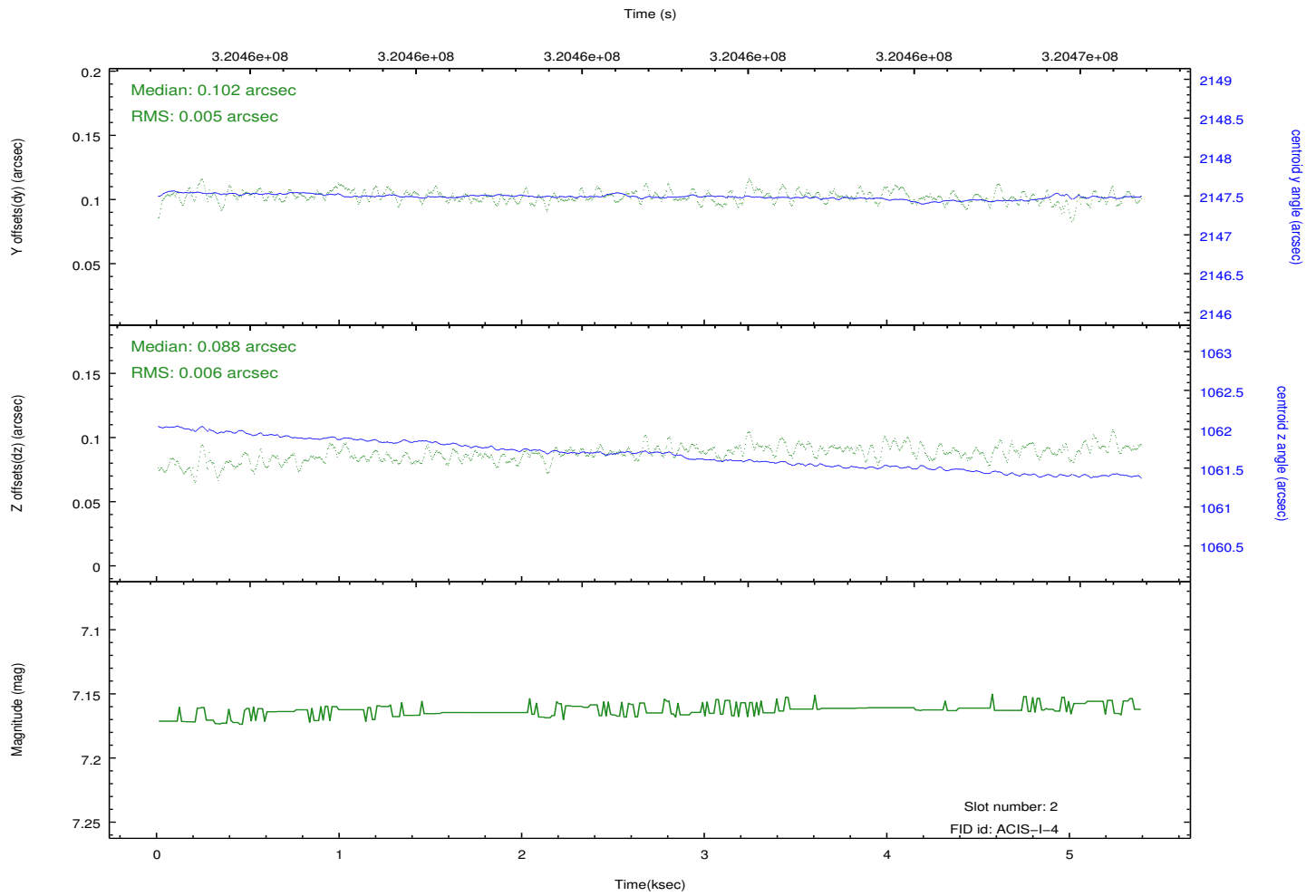
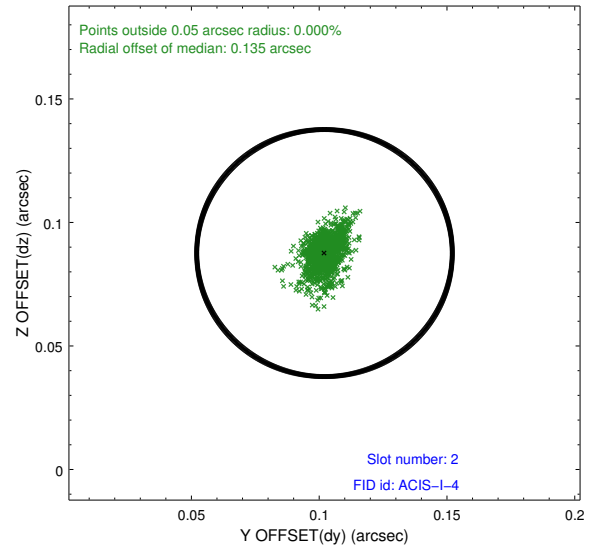
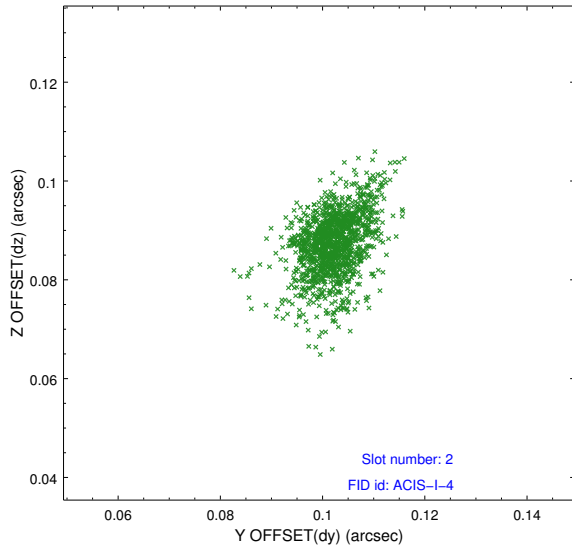
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95039998

A.2 Comments

Joint Proposal: NOAO. Time preference met.