

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9075 - L2 Version 2
Chandra X-Ray Center

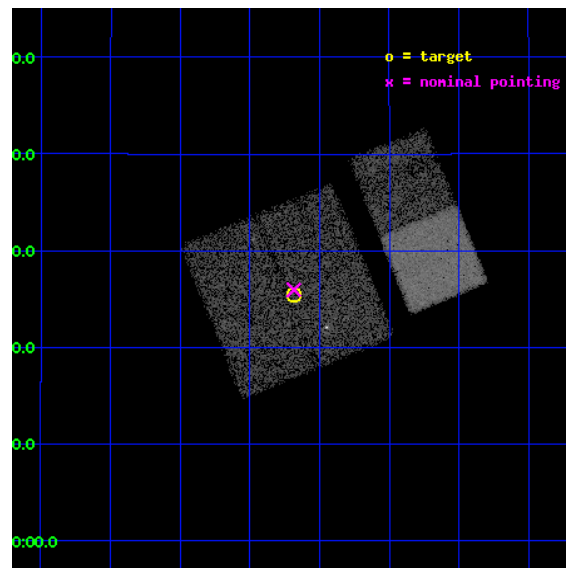
L2 Processing Date : May 10 2012

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

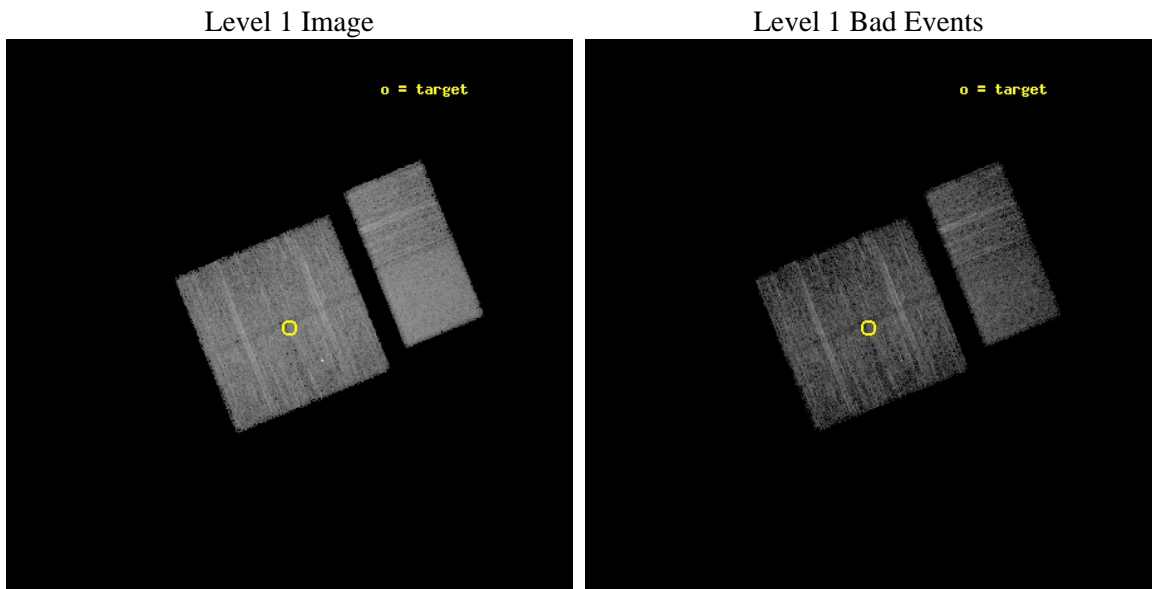
seq_num	400926	Sequence number
obs_id	9075	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J19267+1325	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	291.670833	Observer's specified target RA [deg]
dec_targ	13.425	Observer's specified target Dec [deg]
ra_nom	291.67118223451	Nominal RA [deg]
dec_nom	13.4327927974	Nominal Dec [deg]
roll_nom	67.846036584433	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4757.1126237512	Sum of GTIs [s]
livetime	4696.8751993199	Livetime [s]
ontime0	4756.9895037413	Sum of GTIs [s]
ontime1	4757.0305437446	Sum of GTIs [s]
ontime2	4757.0715837479	Sum of GTIs [s]
ontime3	4757.1126237512	Sum of GTIs [s]
ontime6	4757.1947037578	Sum of GTIs [s]
ontime7	4757.1536438465	Sum of GTIs [s]
l2events	52090	Number of level 2 events



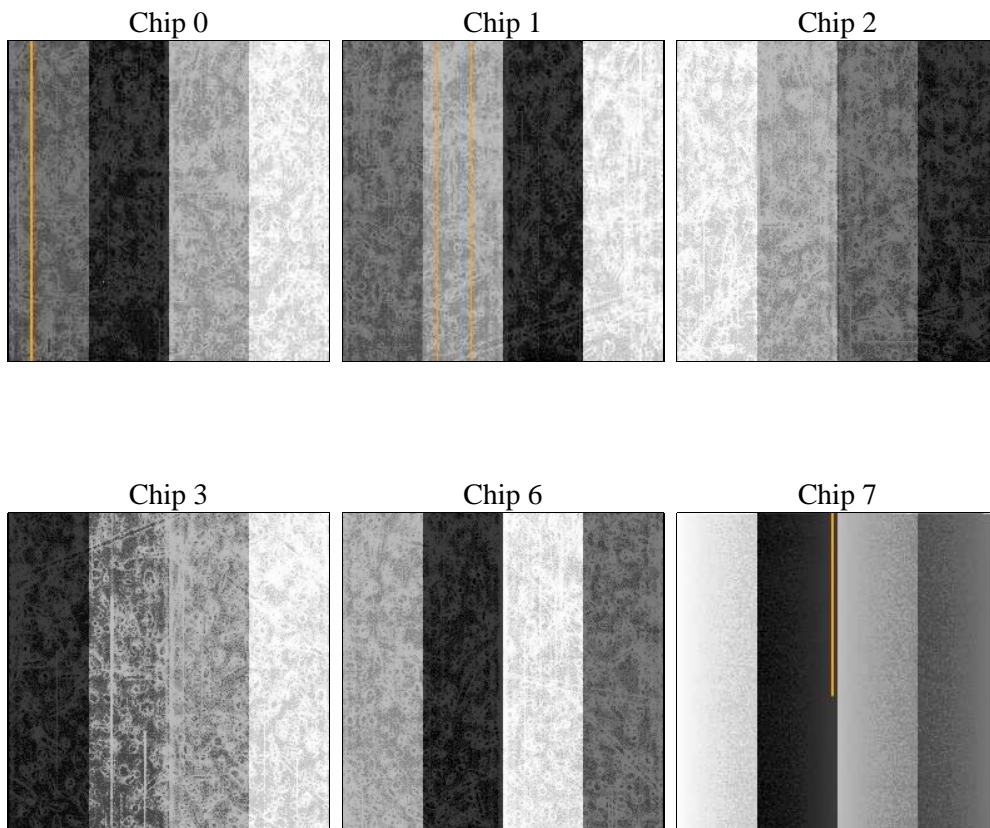
2 OBI

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	4757.1126237512	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4756.9895037413	Sum of GTIs [s]
date	2012-05-10T09:07:57	Date and time of file creation	ontime1	4757.0305437446	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4757.0715837479	Sum of GTIs [s]
			ontime3	4757.1126237512	Sum of GTIs [s]
			ontime6	4757.1947037578	Sum of GTIs [s]
			ontime7	4757.1536438465	Sum of GTIs [s]
			l1events	293715	Number of level 1 events

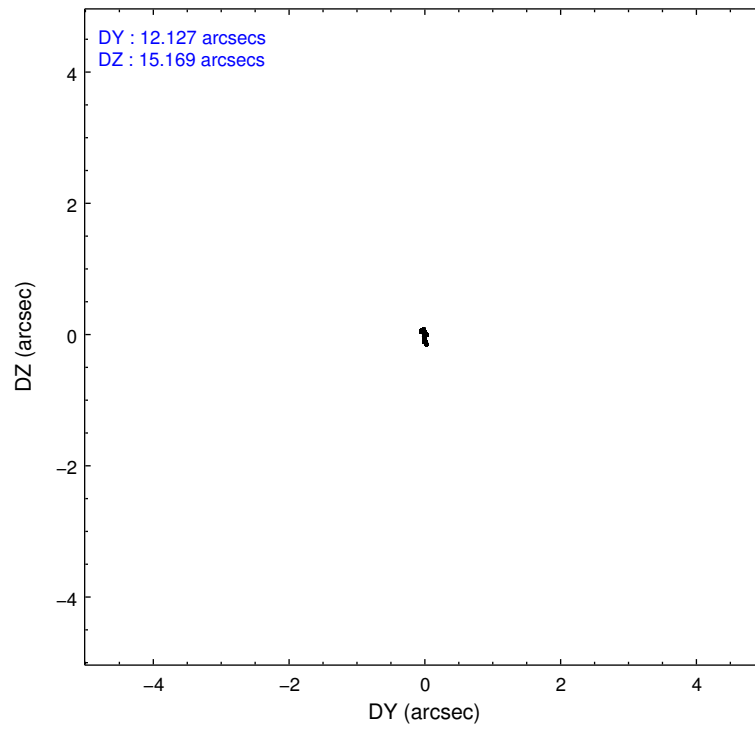
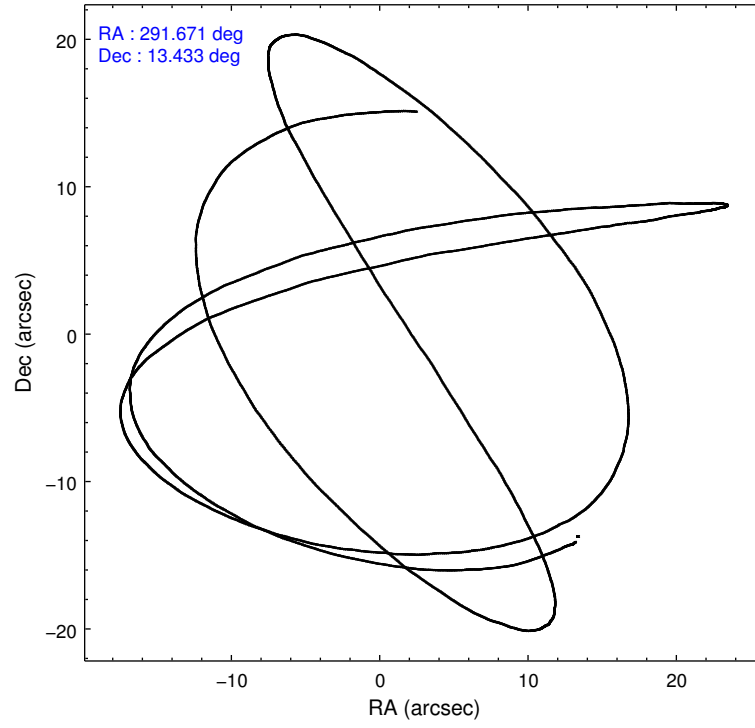
2.1.4 Events

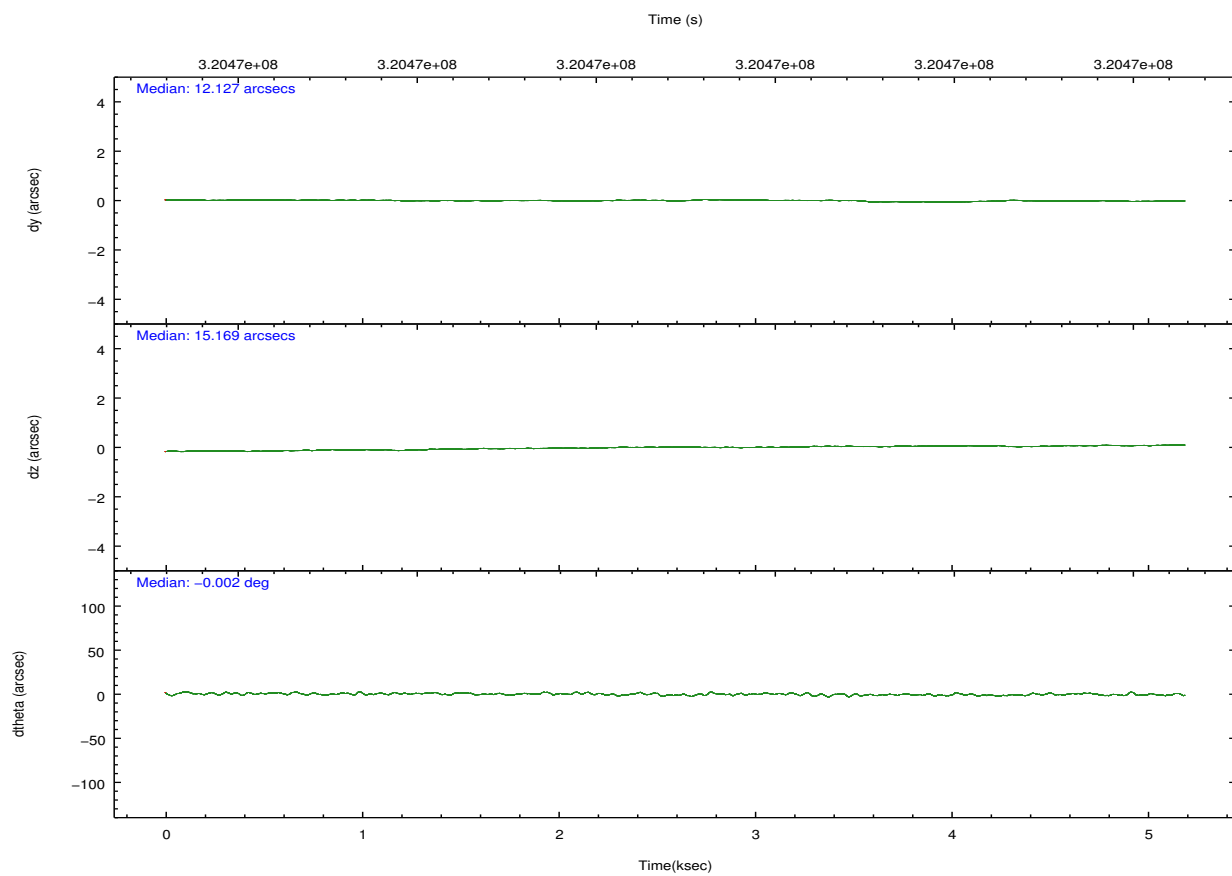
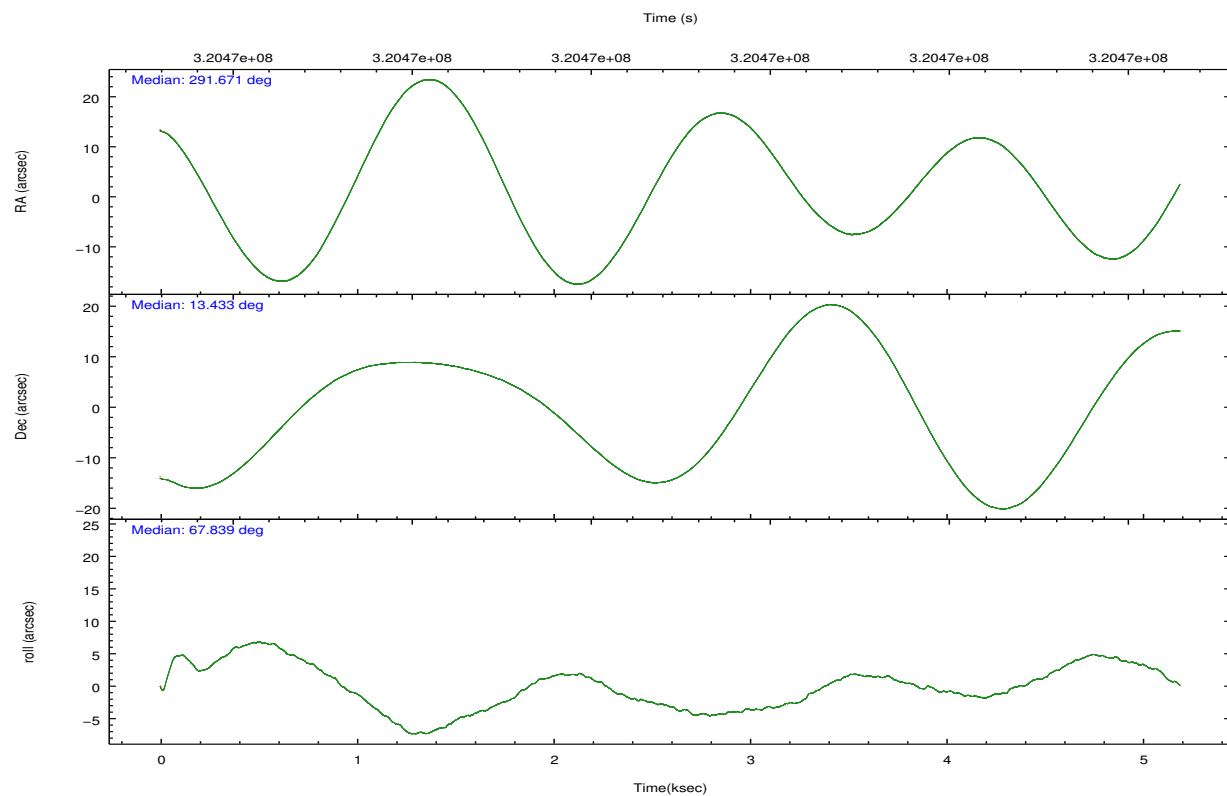
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	43140	43938	46801	47839	48215	63782	grade 0 events	2362	2243	2463	3652	2066	2181
rejected events	37404	38076	41391	40565	42642	37060		5%	5%	5%	7%	4%	3%
rejected %	86%	86%	88%	84%	88%	58%	grade 1 events	27	18	33	97	35	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	1322	1383	1089	1304	1299	5508
								3%	3%	2%	2%	2%	8%
							grade 3 events	568	572	472	593	543	2219
								1%	1%	1%	1%	1%	3%
							grade 4 events	502	540	484	626	519	2255
								1%	1%	1%	1%	1%	3%
							grade 5 events	1881	1965	1875	2231	2312	5903
								4%	4%	4%	4%	4%	9%
							grade 6 events	984	1132	904	1107	1146	14559
								2%	2%	1%	2%	2%	22%
							grade 7 events	35494	36085	39481	38229	40295	31089
								82%	82%	84%	79%	83%	48%

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	291.675510	291.6711822345053	CCD I2 on	Y	Y
[deg] Pointing Dec	13.405830	13.4327927973996	CCD I3 on	Y	Y
[deg] Pointing Roll	67.636349	67.84603658443312	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)	320467034.184000	320466445.15464	CCD S5 on	N	N
Observation start date	2008-02-27T02:36:09	2008-02-27T02:27:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	320472034.184000	320472526.99244	On-chip summing requested	N	N
Observation end date	2008-02-27T03:59:29	2008-02-27T04:08:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



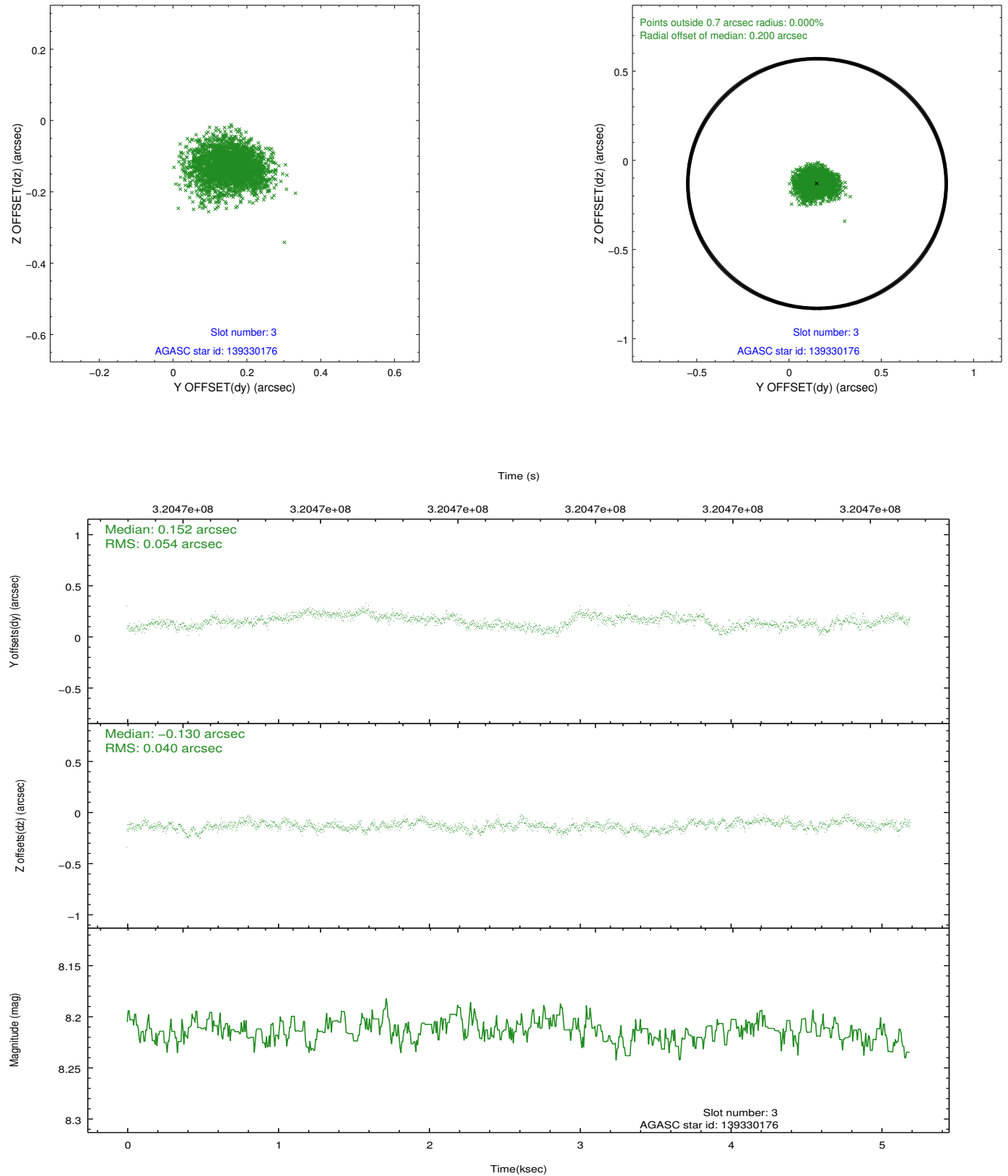


Slot Statistics

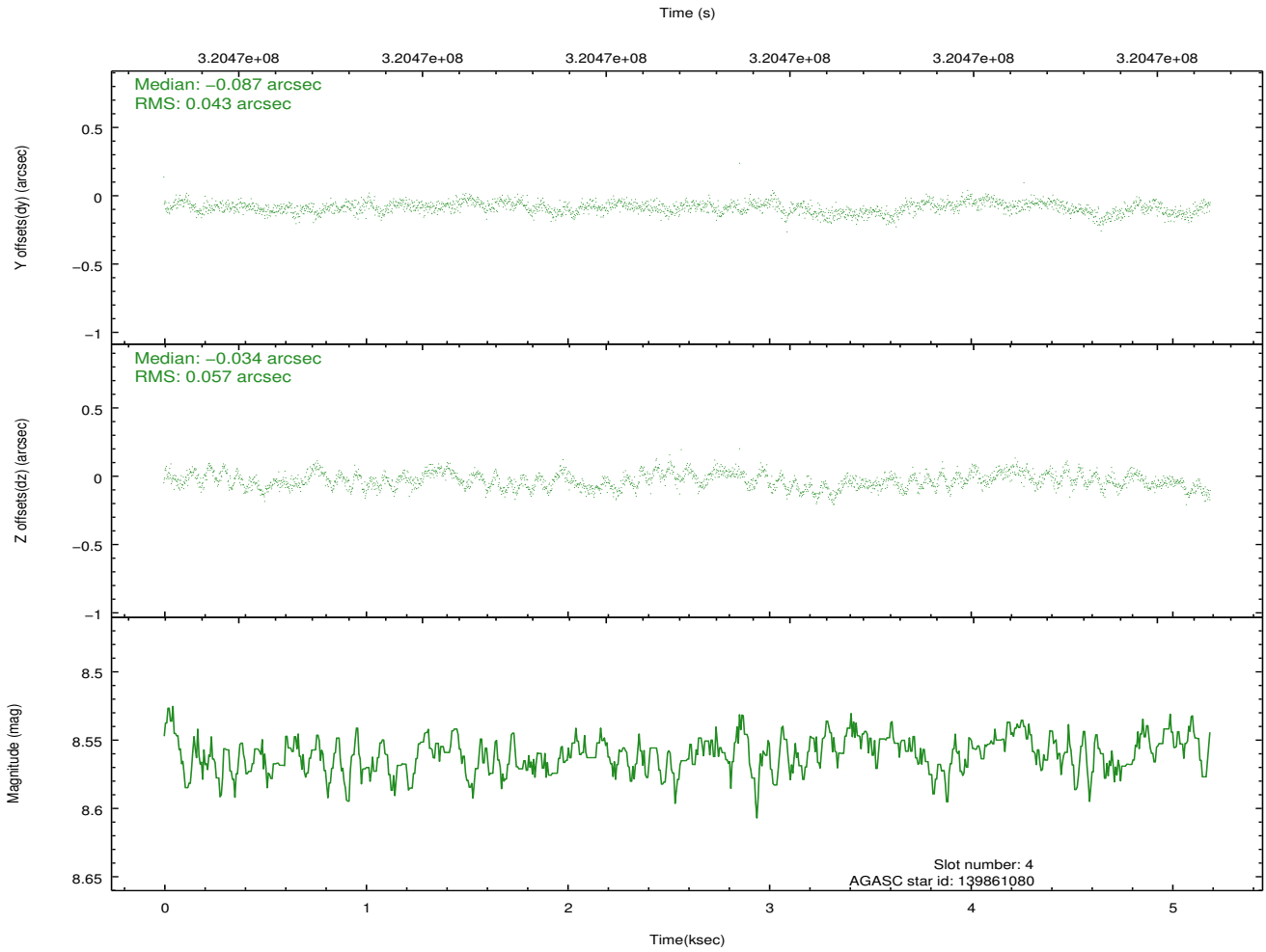
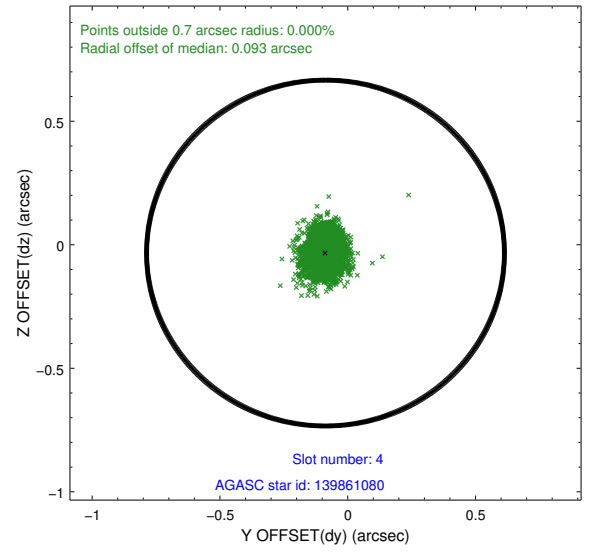
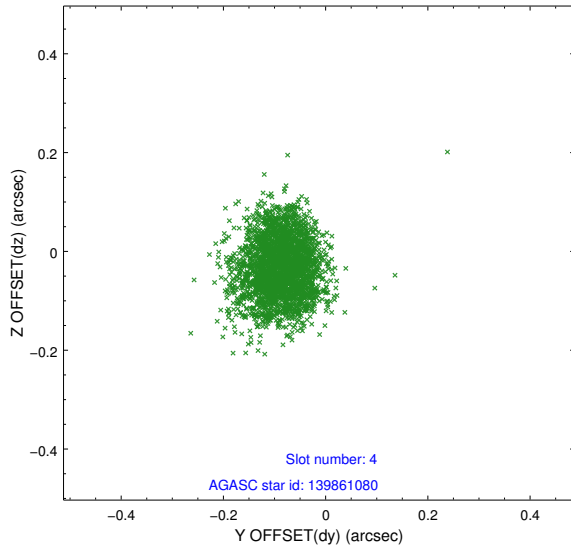
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1267	-0.061	0.038	0.010	0.018	0.000000	0.000000	927.35	-838.72
1	FID	ACIS-I-2	7.14	1267	-0.134	-0.071	0.007	0.011	0.000000	0.000000	-766.17	-845.85
2	FID	ACIS-I-4	7.16	1267	0.097	0.101	0.007	0.014	0.000000	0.000000	2146.87	1060.55
3	GUIDE	139330176	8.21	2533	0.152	-0.130	0.073	0.114	291.236556	12.996804	-1944.68	863.23
4	GUIDE	139861080	8.56	2532	-0.087	-0.034	0.076	0.120	291.366435	13.701100	572.76	1404.24
5	GUIDE	139861200	8.57	2532	0.073	0.270	0.085	0.133	292.302138	13.185412	106.74	-2331.88
6	GUIDE	139861296	9.66	2527	-0.316	-0.076	0.138	0.222	291.998545	13.475149	663.18	-952.10
7	GUIDE	139862072	9.40	2528	0.170	-0.032	0.109	0.174	291.502033	13.385206	-297.72	532.66

2.4 Star Slots

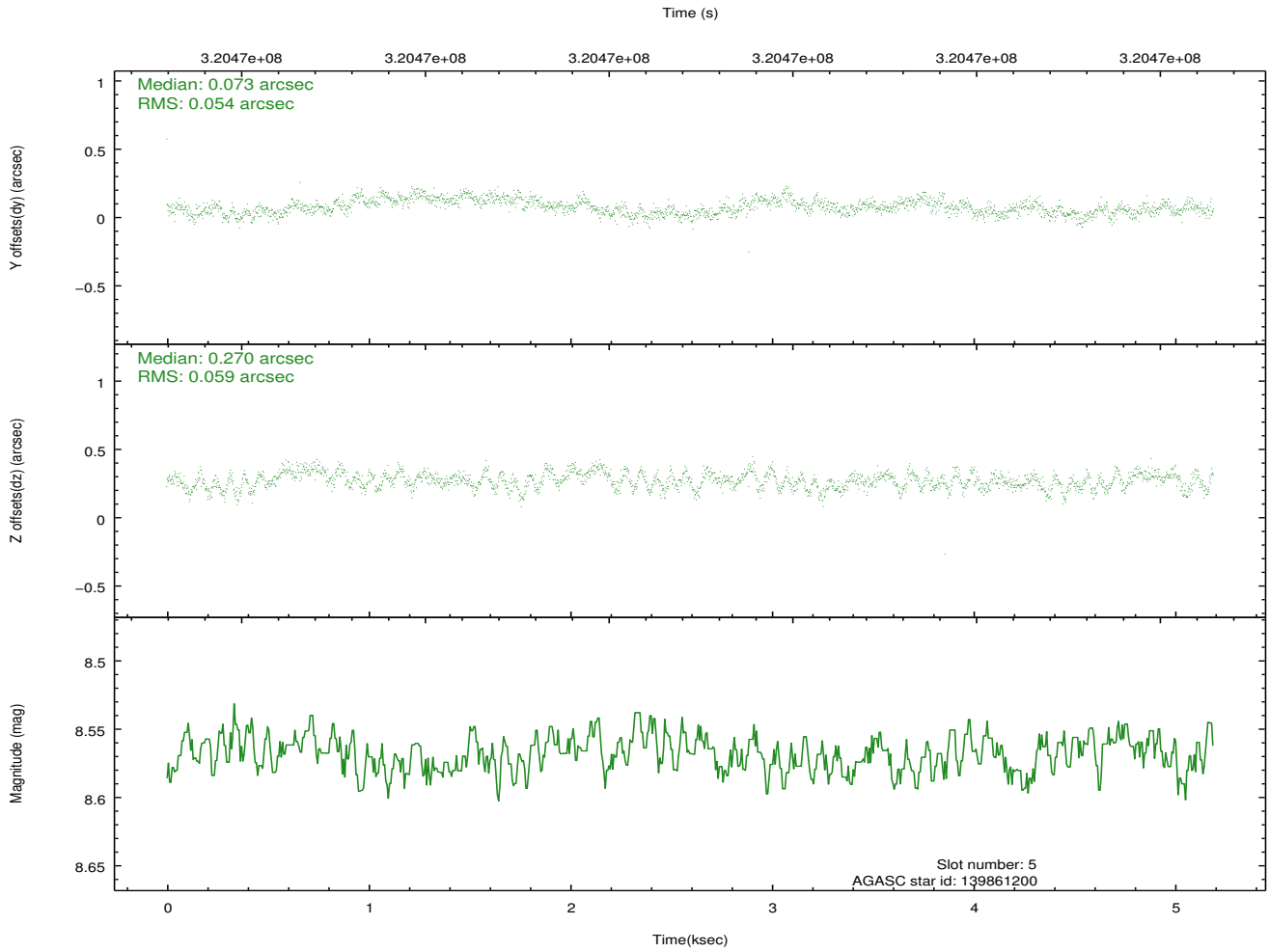
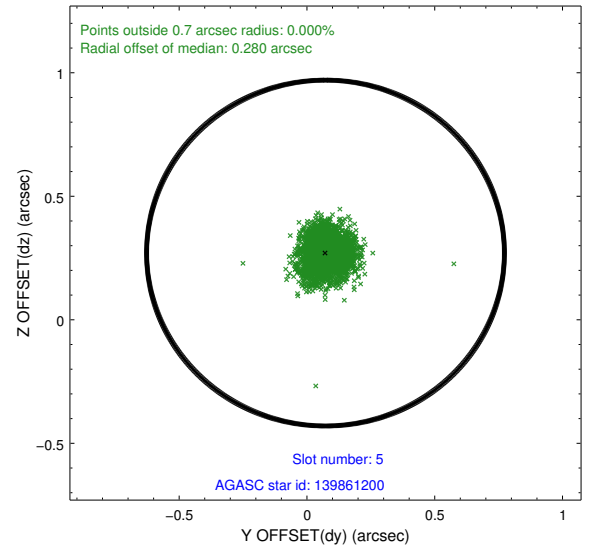
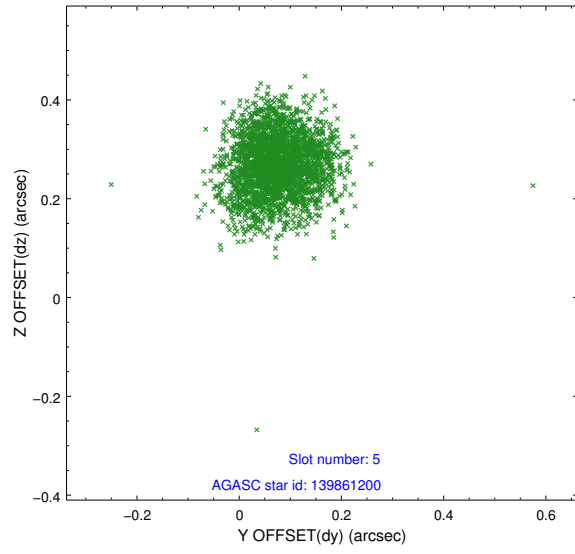
2.4.1 Slot 3



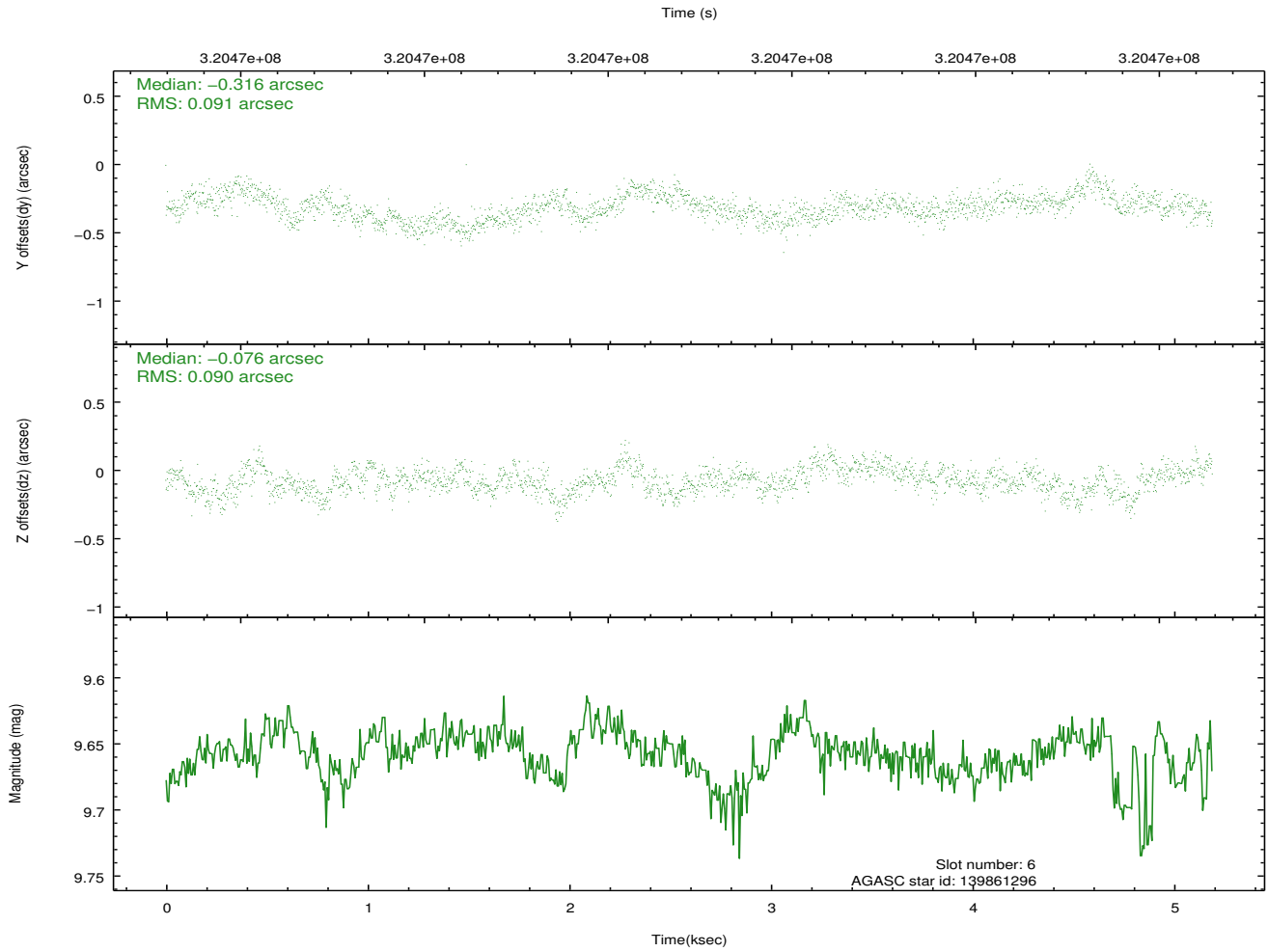
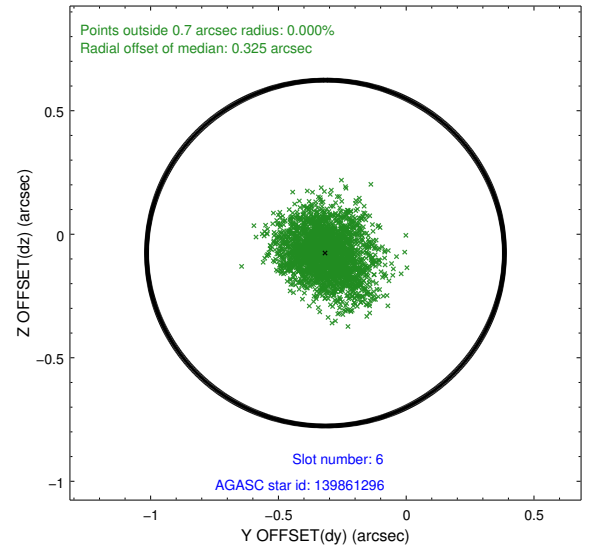
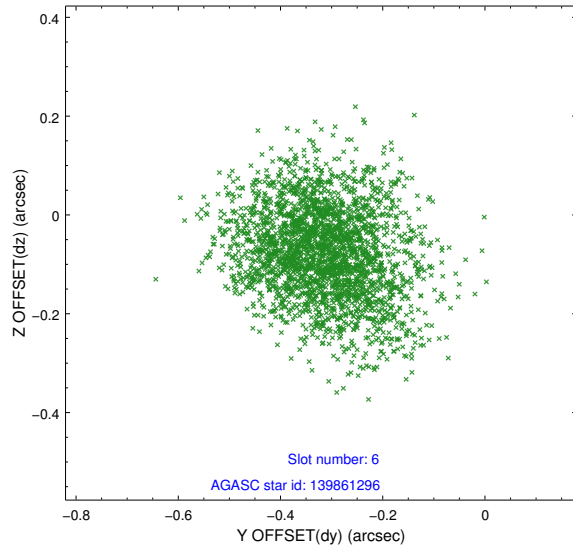
2.4.2 Slot 4



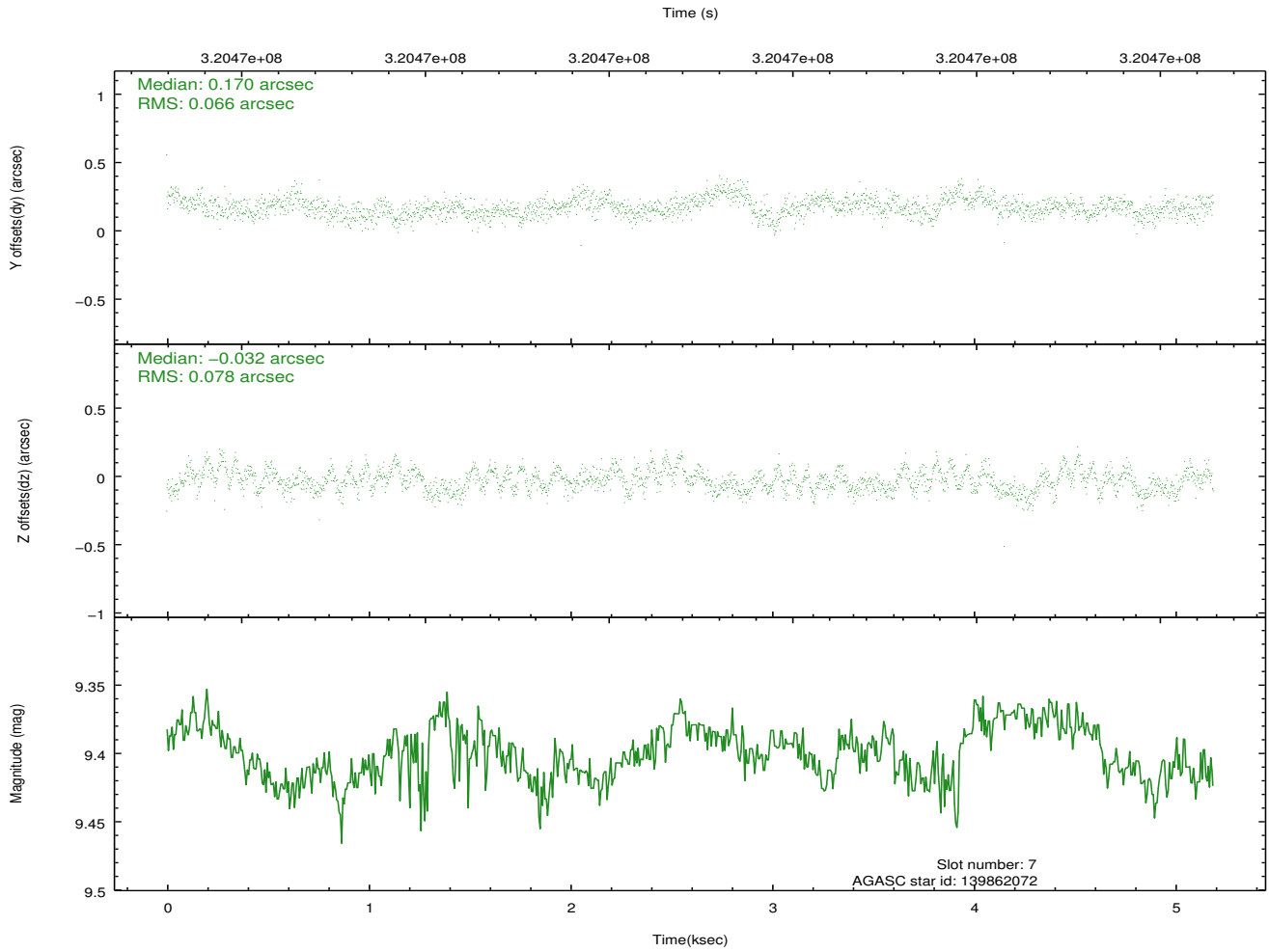
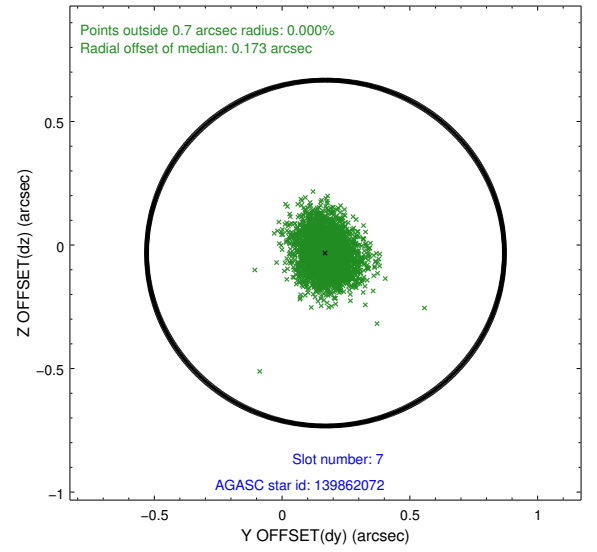
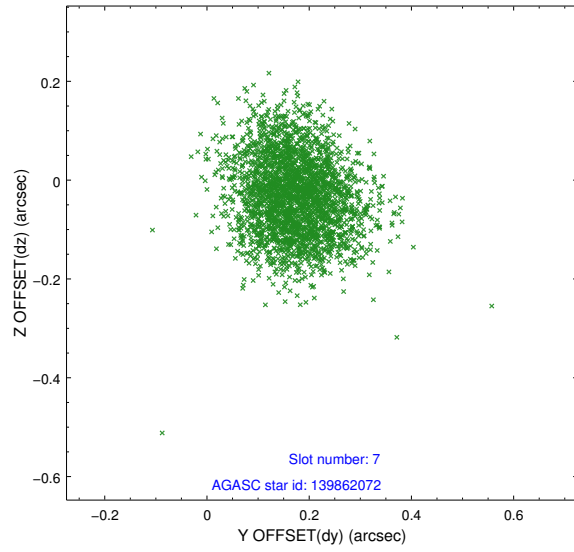
2.4.3 Slot 5



2.4.4 Slot 6

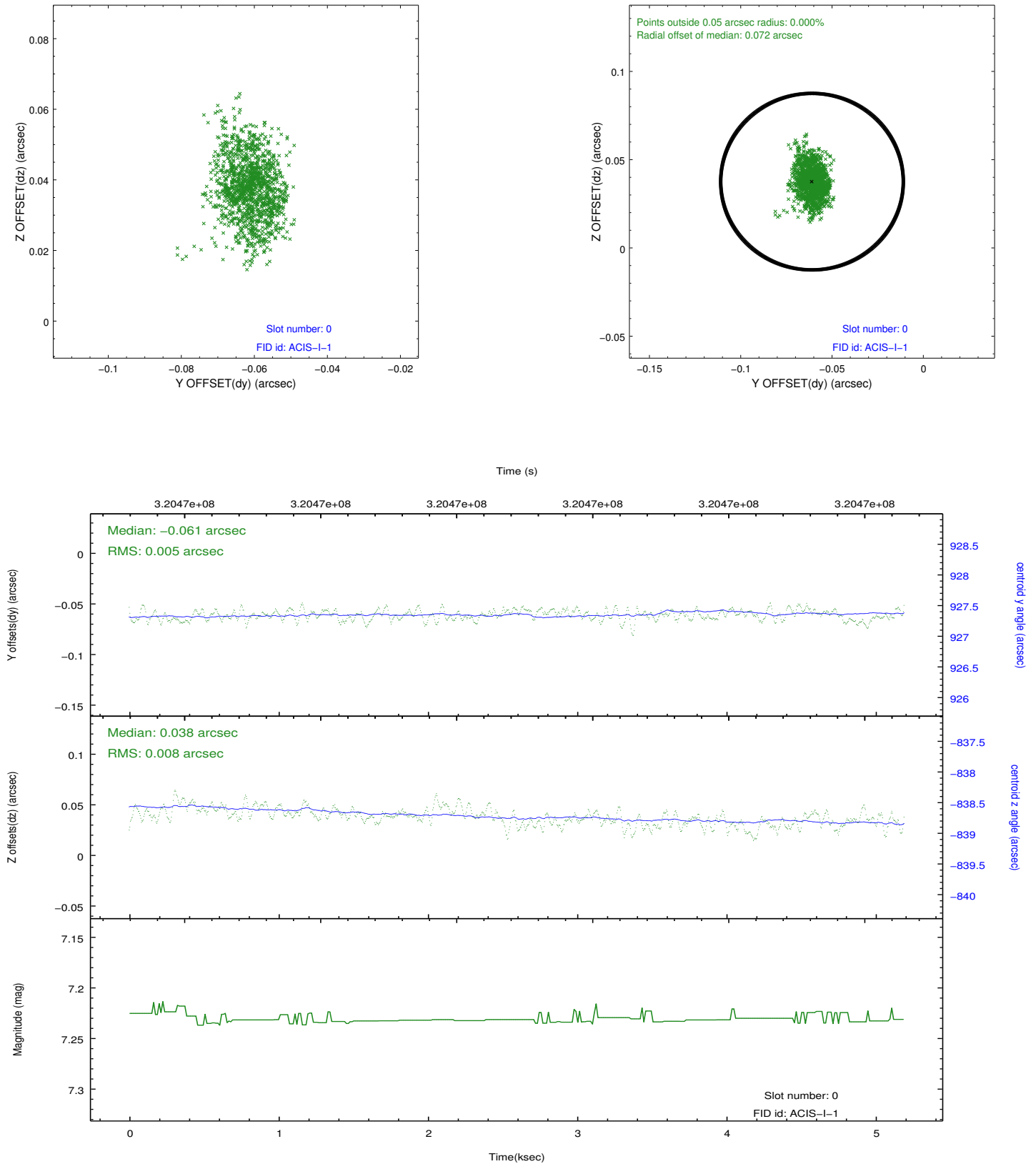


2.4.5 Slot 7

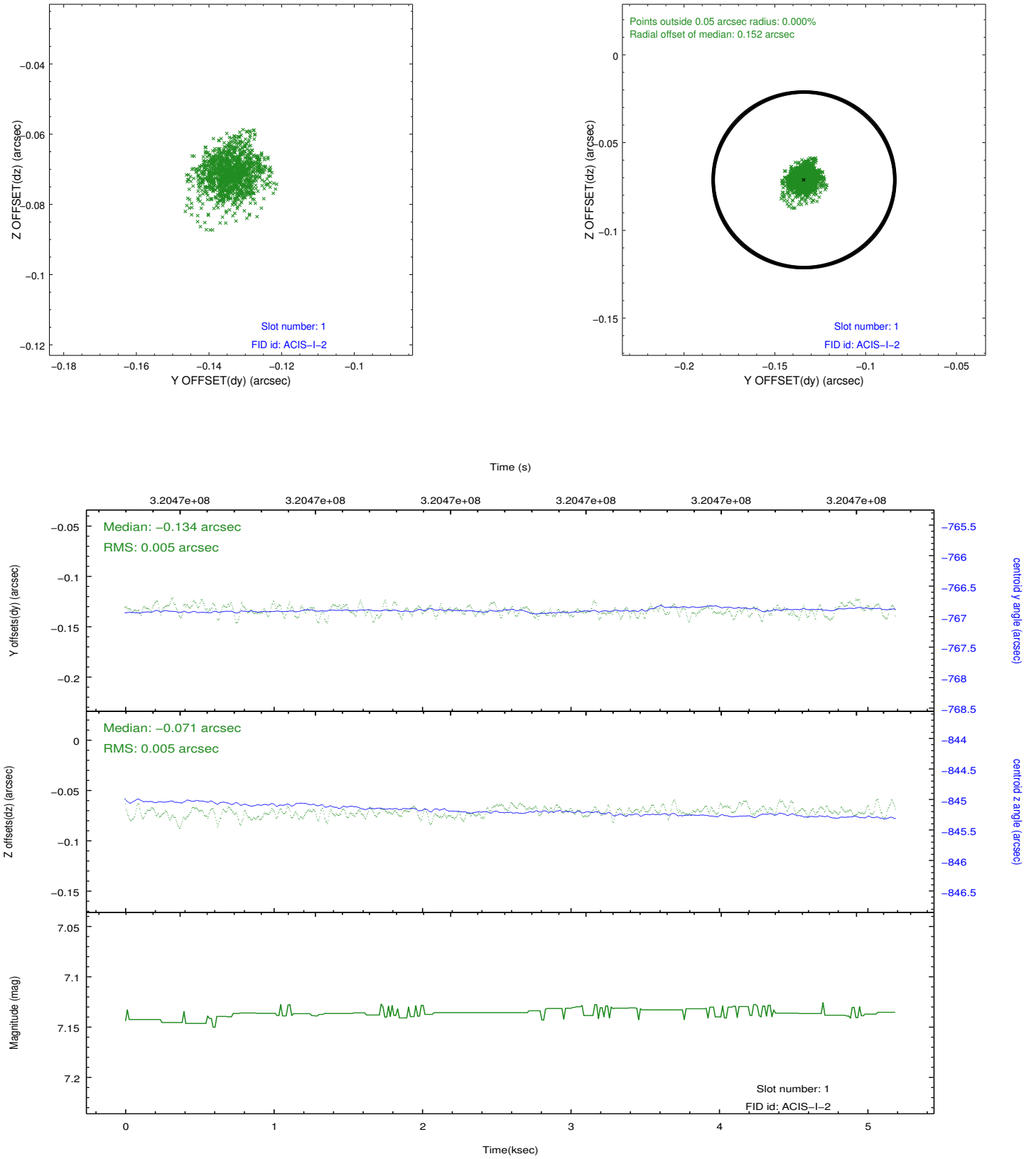


2.5 FID Slots

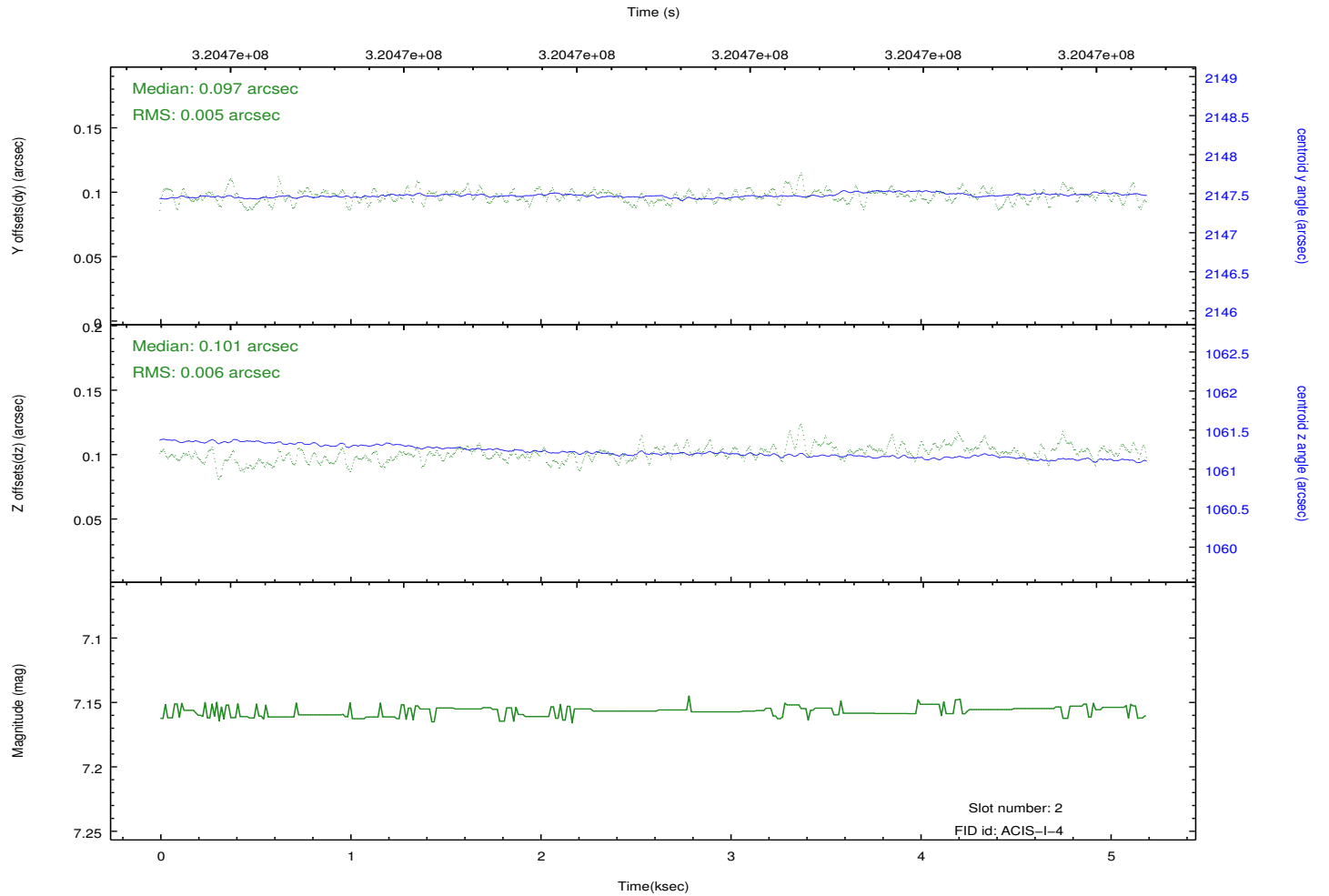
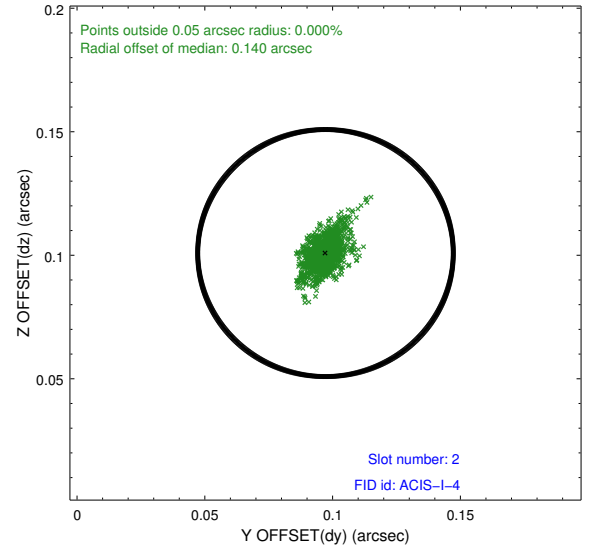
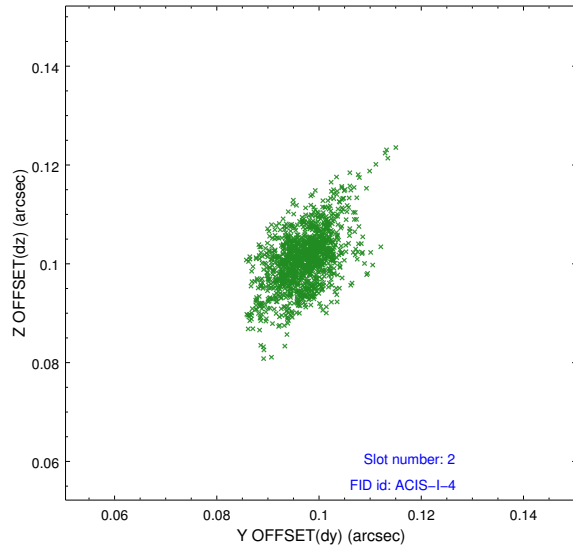
2.5.1 Slot 0



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	4.75839998

A.2 Comments

Joint Proposal: NOAO. Time preference met.