

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9740 - L2 Version 2
Chandra X-Ray Center

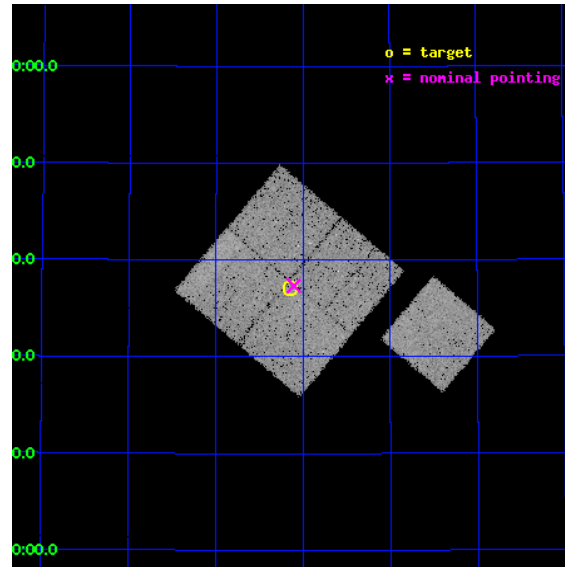
L2 Processing Date : Jun 2 2012

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1 Front

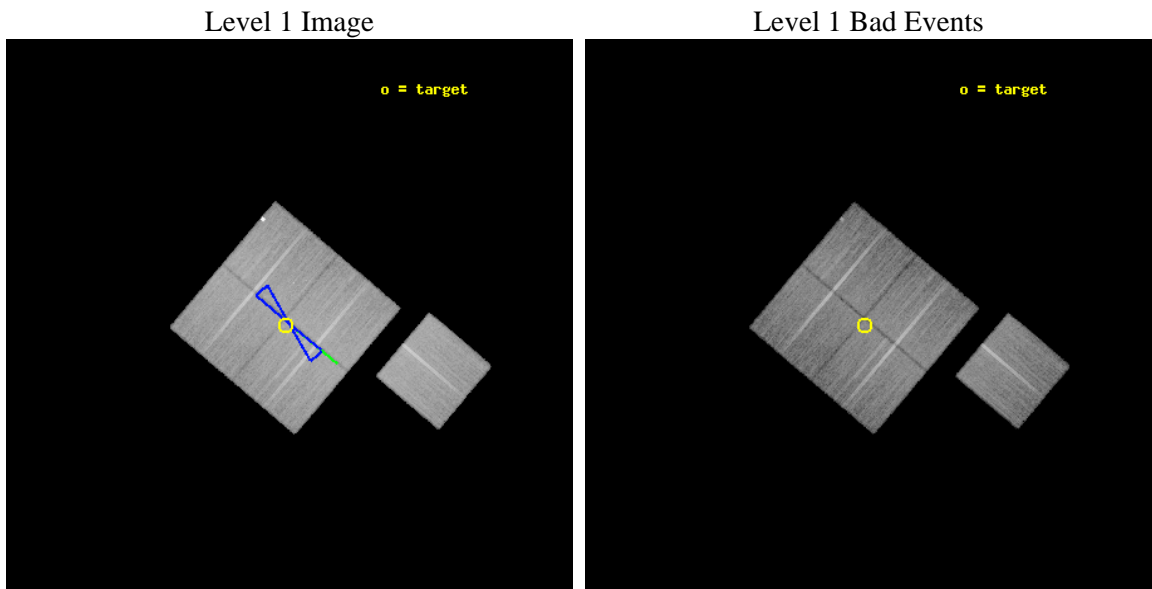
seq_num	900798	Sequence number
obs_id	9740	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.5375	Observer's specified target RA [deg]
dec_targ	52.617889	Observer's specified target Dec [deg]
ra_nom	214.52625464369	Nominal RA [deg]
dec_nom	52.622209489067	Nominal Dec [deg]
roll_nom	130.21762507219	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20644.954534888	Sum of GTIs [s]
livetime	20375.213005296	Livetime [s]
ontime0	20638.549404323	Sum of GTIs [s]
ontime1	20641.731464565	Sum of GTIs [s]
ontime2	20638.631564021	Sum of GTIs [s]
ontime3	20644.954534888	Sum of GTIs [s]
ontime6	20641.64936465	Sum of GTIs [s]
l2events	77335	Number of level 2 events



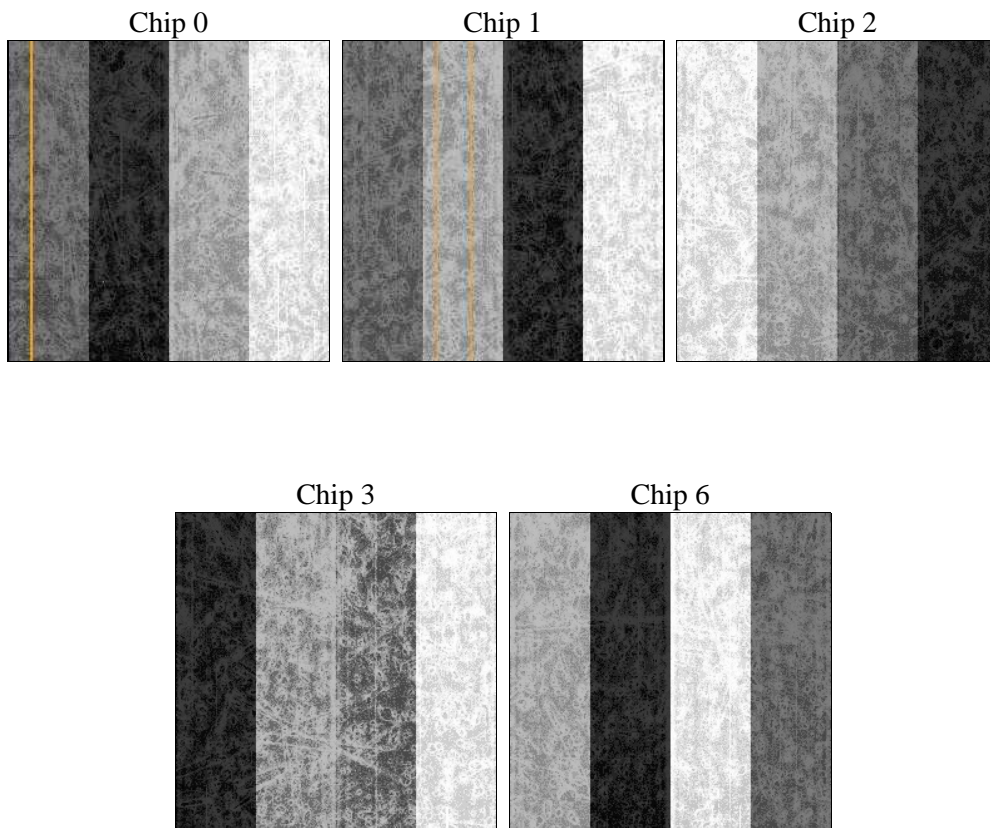
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20644.954534888	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	20638.549404323	Sum of GTIs [s]
date	2012-06-02T01:45:31	Date and time of file creation	ontime1	20641.731464565	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20638.631564021	Sum of GTIs [s]
			ontime3	20644.954534888	Sum of GTIs [s]
			ontime6	20641.64936465	Sum of GTIs [s]
			l1events	886713	Number of level 1 events

2.1.4 Events

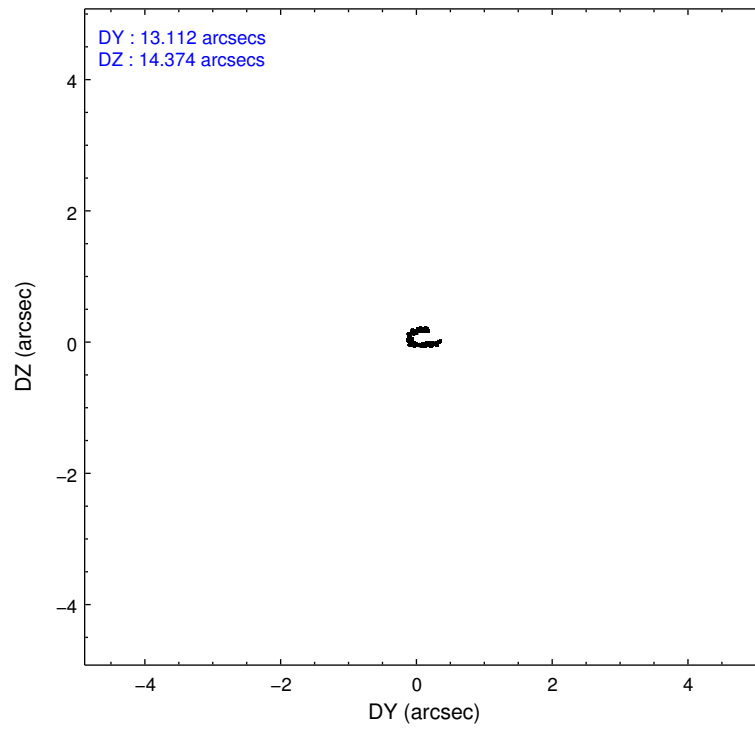
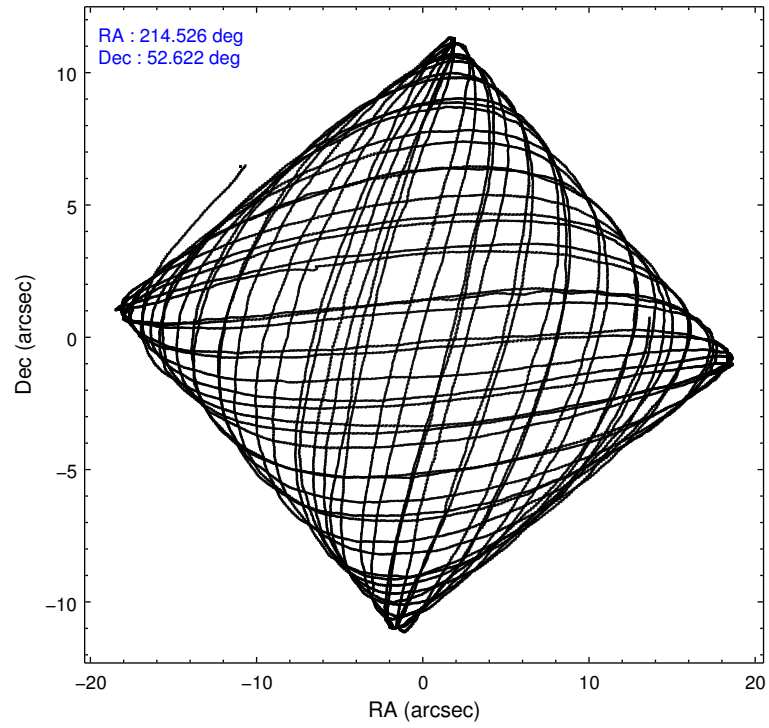
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	174390	165683	184627	179311	182702
rejected events	149797	145260	166531	162276	164040
rejected %	85%	87%	90%	90%	89%

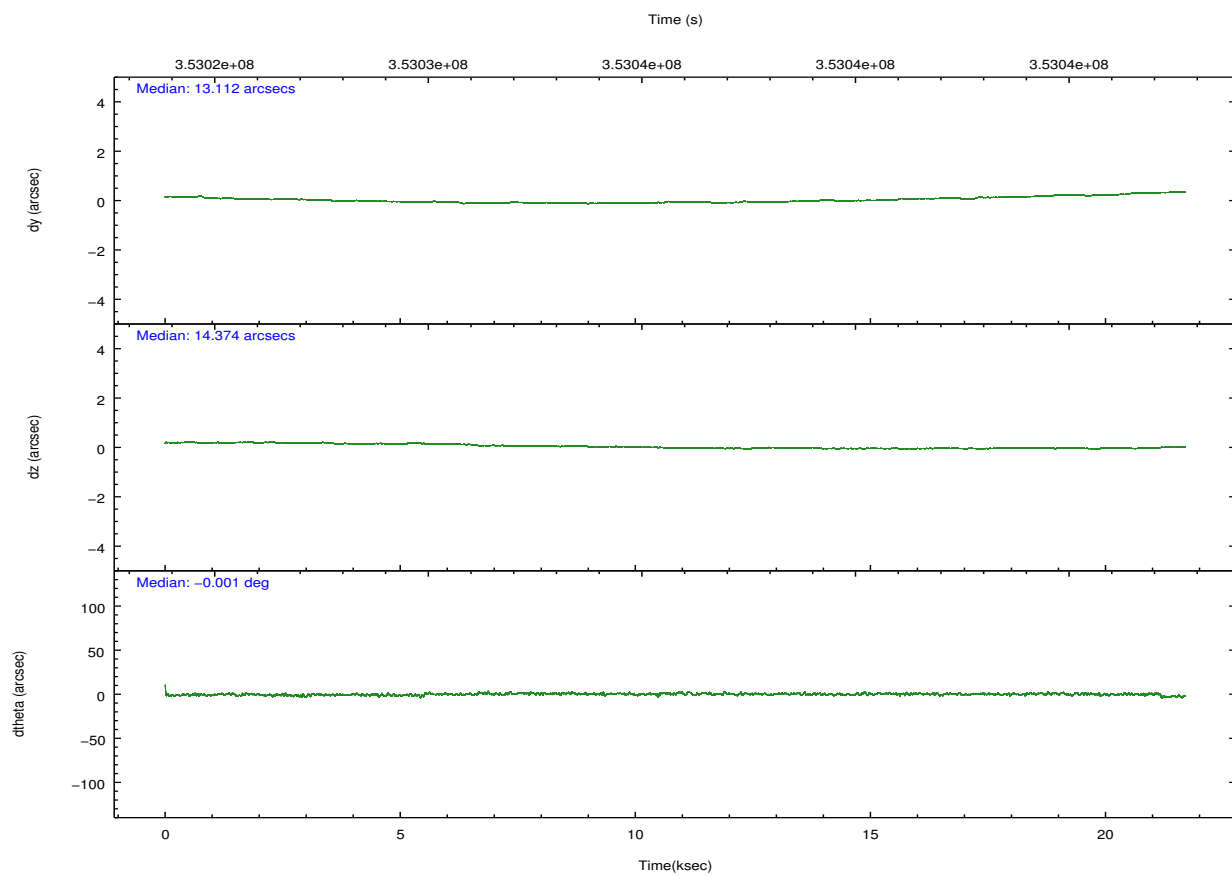
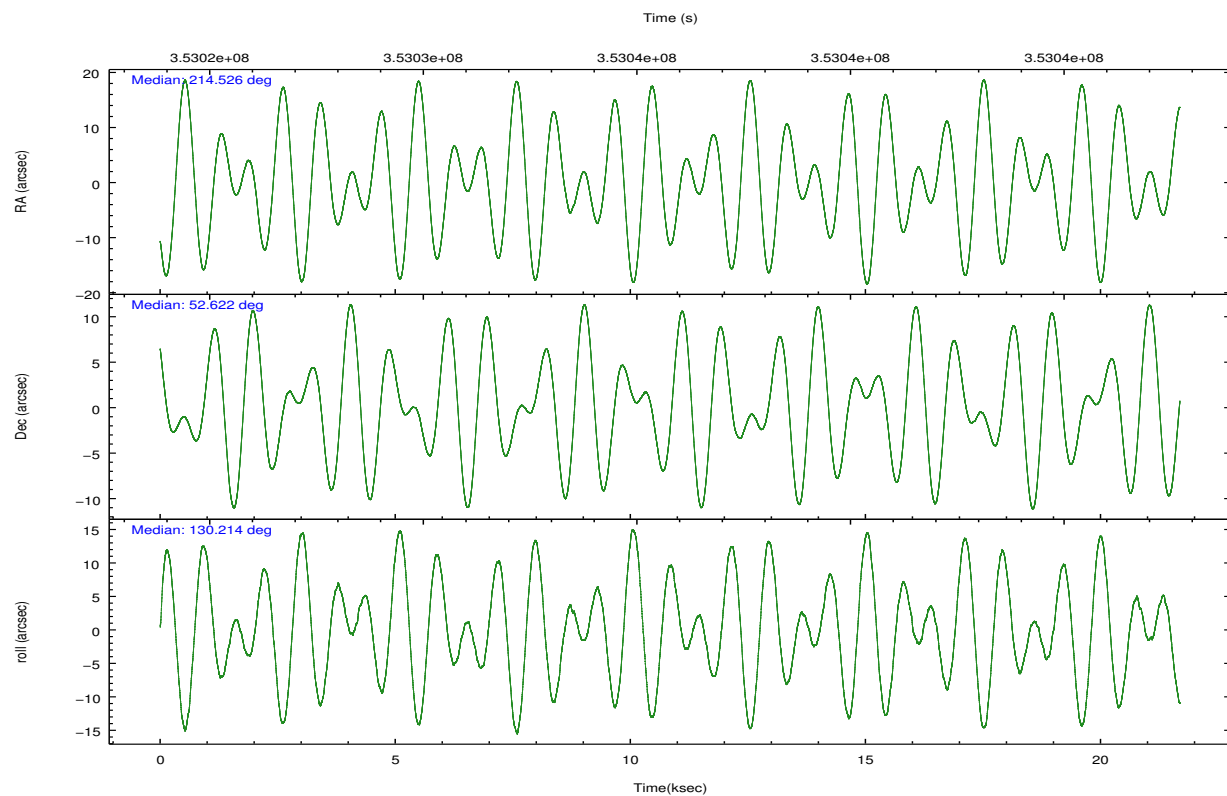
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	12579	7301	6358	5975	6335
	7%	4%	3%	3%	3%
grade 1 events	293	75	121	117	104
	0%	0%	0%	0%	0%
grade 2 events	4474	4687	4508	3809	4122
	2%	2%	2%	2%	2%
grade 3 events	2055	2131	1944	1906	2076
	1%	1%	1%	1%	1%
grade 4 events	1918	2199	1933	1885	2046
	1%	1%	1%	1%	1%
grade 5 events	6828	7017	6306	7482	7234
	3%	4%	3%	4%	3%
grade 6 events	3570	4107	3356	3461	4084
	2%	2%	1%	1%	2%
grade 7 events	142673	138166	160101	154676	156701
	81%	83%	86%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	214.568942	214.5262546436867	CCD I2 on	Y	Y
[deg] Pointing Dec	52.613020	52.62220948906668	CCD I3 on	Y	Y
[deg] Pointing Roll	129.975019	130.217625072194	CCD S0 on	N	N
[deg] Roll angle	50.000000	50.000000	CCD S1 on	N	N
[deg] Roll tolerance	10.000000	10.000000	CCD S2 on	O1	Y
Roll constraint allows 180D rotation	Y	Y	CCD S3 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S4 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S5 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	Number of optional ACIS chips dropped	0	0
[mm] SIM translation stage offset	0	-0.005018542100998502	On-chip summing requested	N	N
[s] Observation start time (MET)	353026019.184000	353024284.12602	Subarray requested	NONE	NONE
Observation start date	2009-03-09T22:45:53	2009-03-09T22:18:04	Alternating exposures requested	N	N
[s] Observation end time (MET)	353046619.184000	353047359.43967	[s] Primary exposure time	0.000000	3.1
Observation end date	2009-03-10T04:29:13	2009-03-10T04:42:39			
Read mode	TIMED	TIMED			

2.3 Aspect



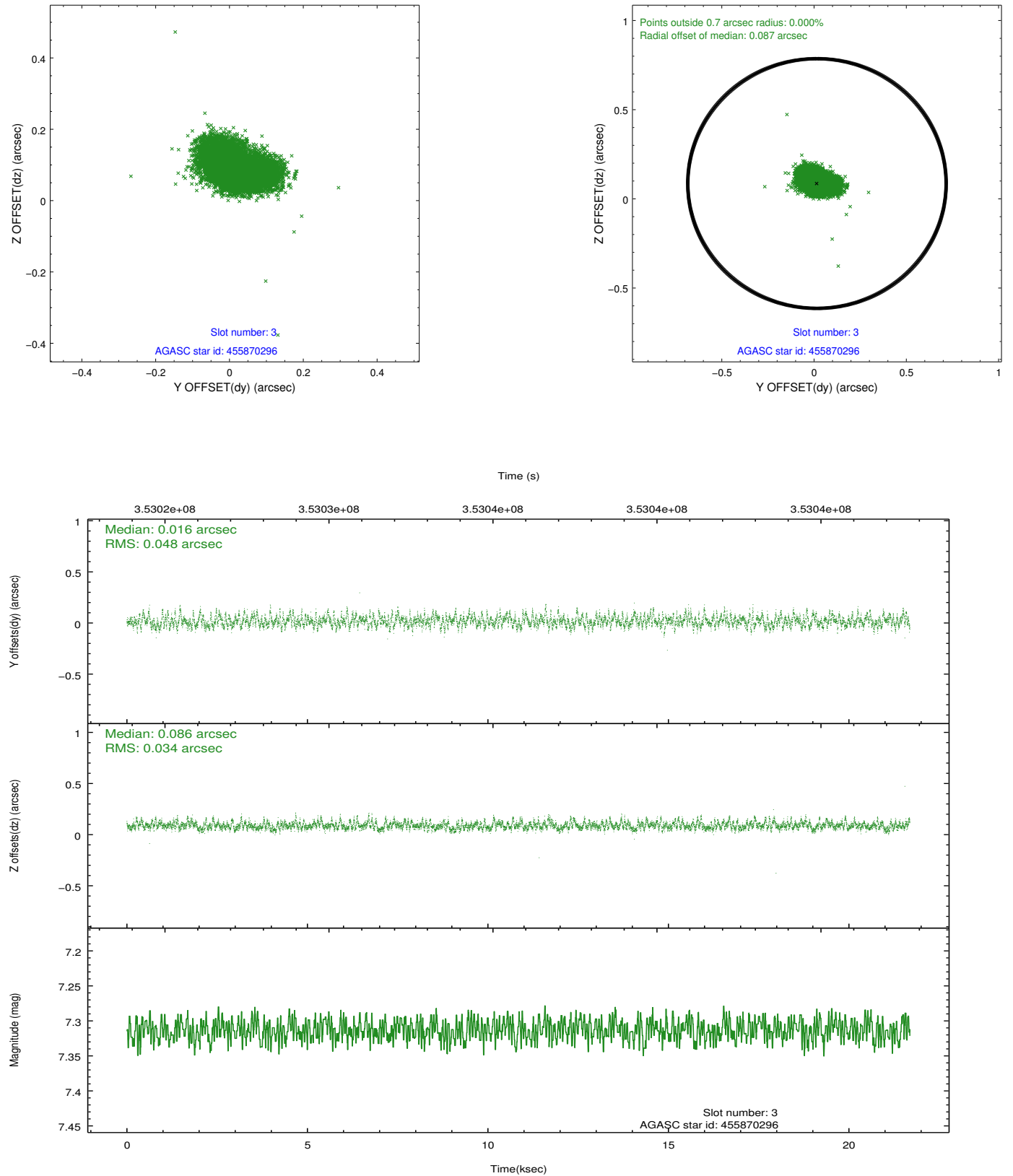


Slot Statistics

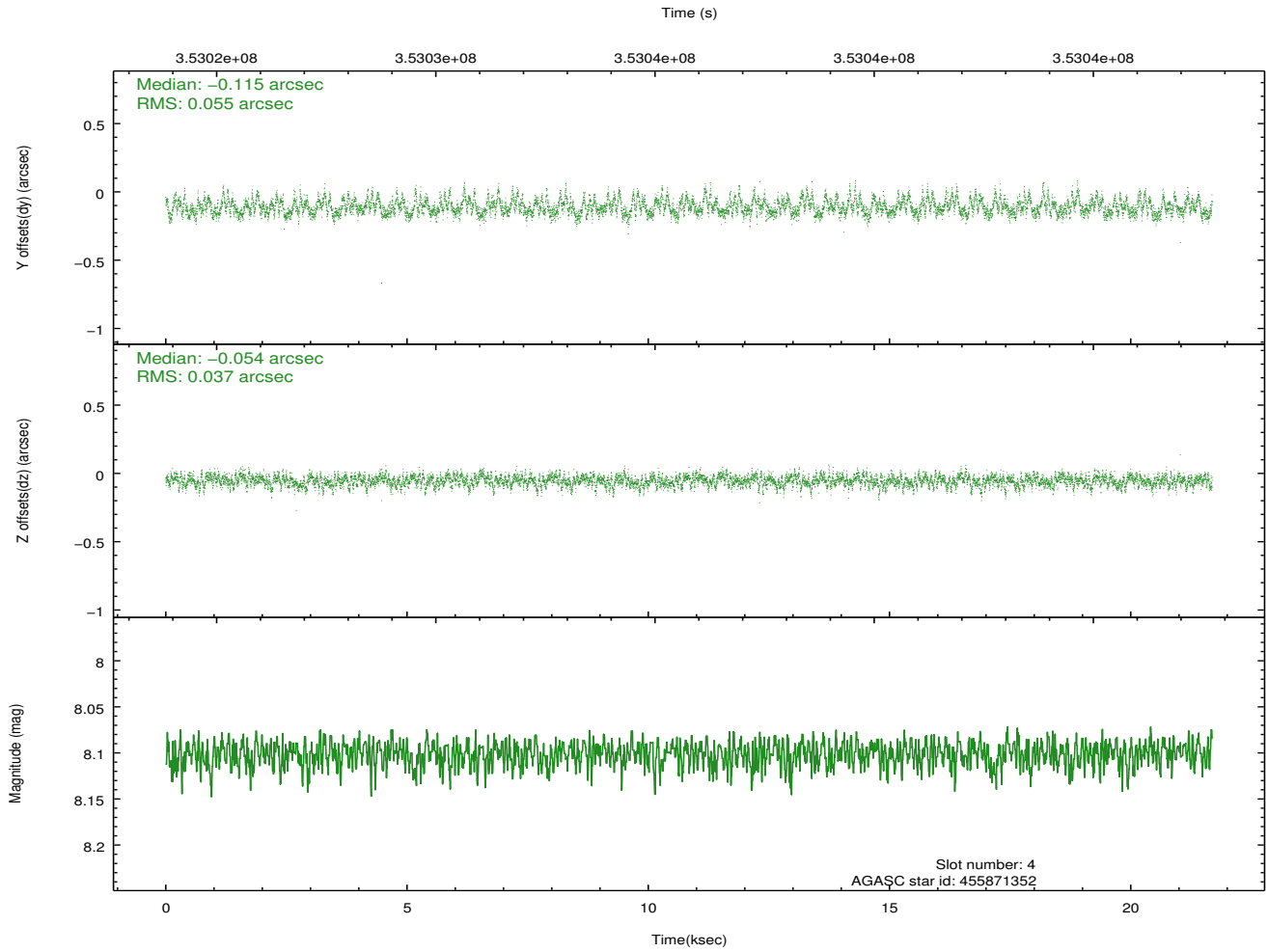
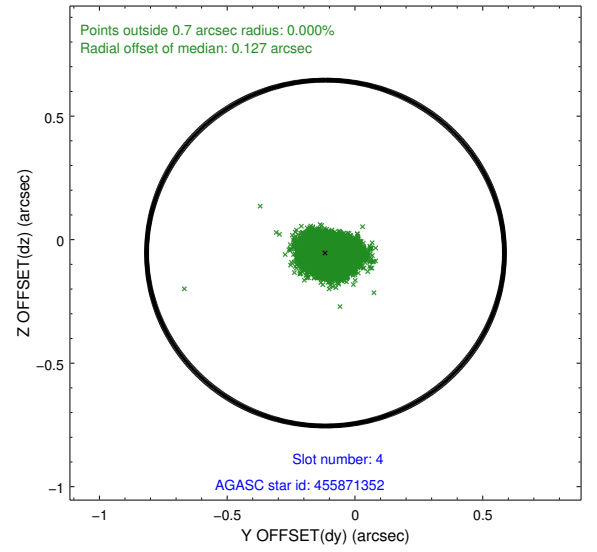
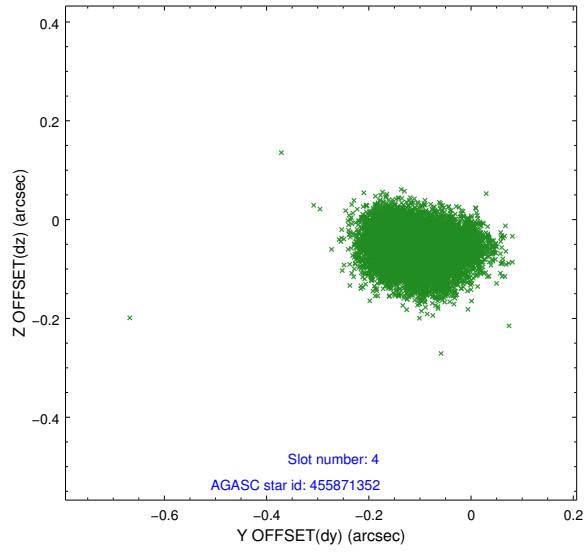
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	5290	-0.053	0.063	0.009	0.015	0.000000	0.000000	926.30	-837.95
1	FID	ACIS-I-2	6.96	5290	-0.145	-0.084	0.010	0.024	0.000000	0.000000	-767.79	-844.60
2	FID	ACIS-I-4	6.95	5289	0.100	0.089	0.010	0.020	0.000000	0.000000	2146.29	1061.79
3	GUIDE	455870296	7.31	10580	0.016	0.086	0.062	0.105	214.629779	52.033323	-1685.63	1237.66
4	GUIDE	455871352	8.10	10579	-0.115	-0.054	0.069	0.114	215.099961	52.172669	-1964.79	117.39
5	GUIDE	505806936	7.01	10581	0.008	-0.069	0.075	0.119	213.820815	52.535927	846.26	1428.42
6	GUIDE	505812088	8.18	10579	0.015	0.090	0.072	0.118	214.186617	53.263562	2325.67	-874.58
7	GUIDE	505812376	7.63	10579	0.068	-0.061	0.047	0.080	214.039537	52.937930	1638.02	126.19

2.4 Star Slots

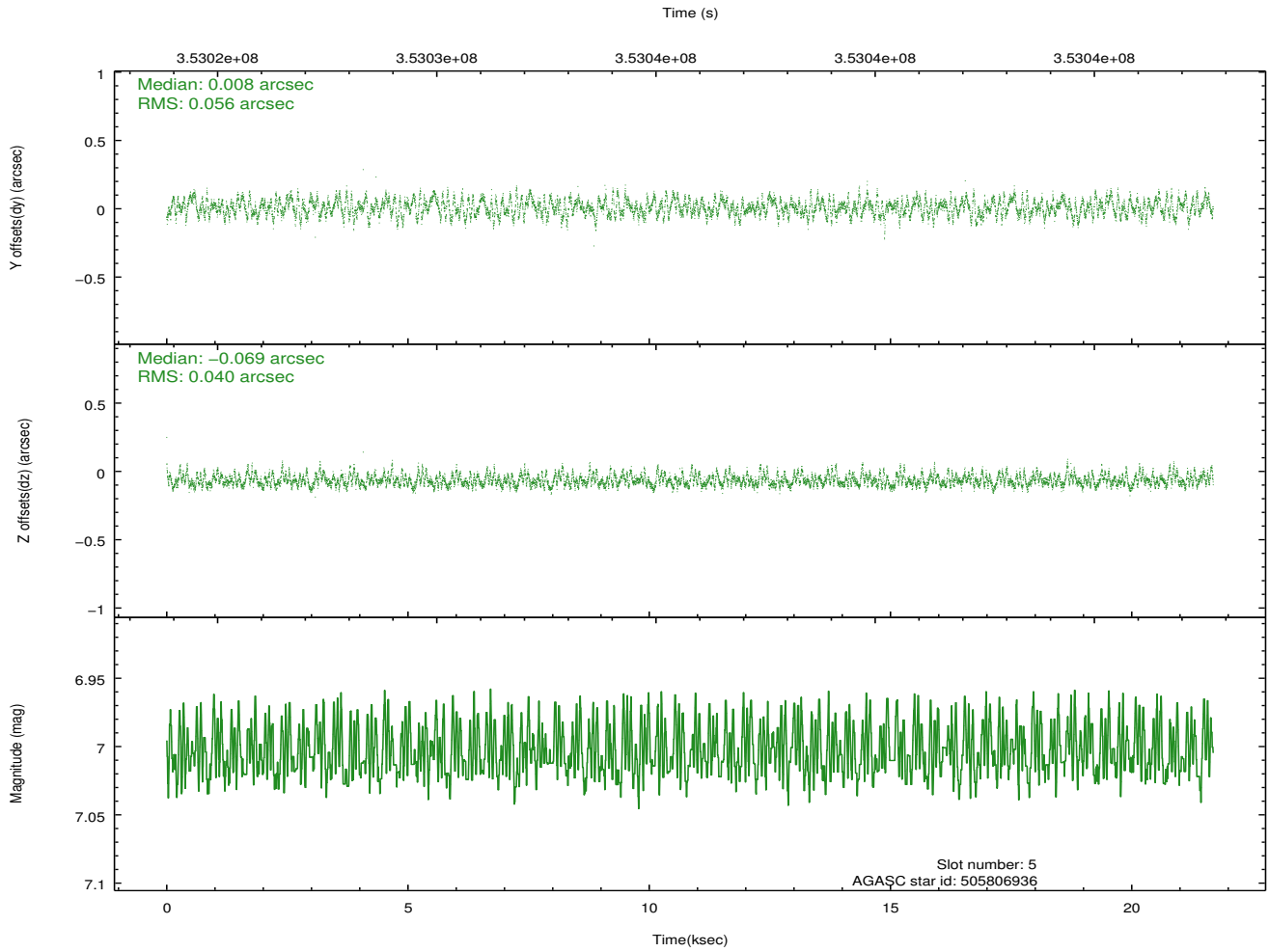
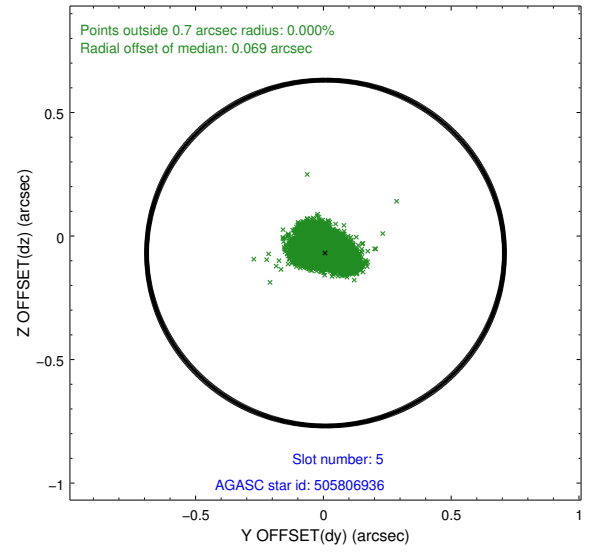
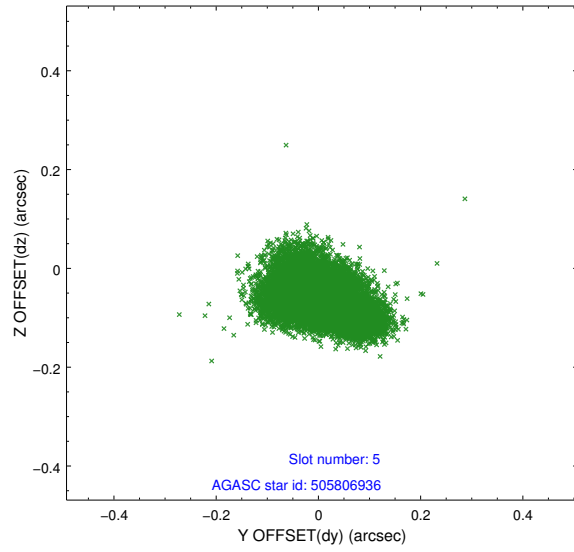
2.4.1 Slot 3



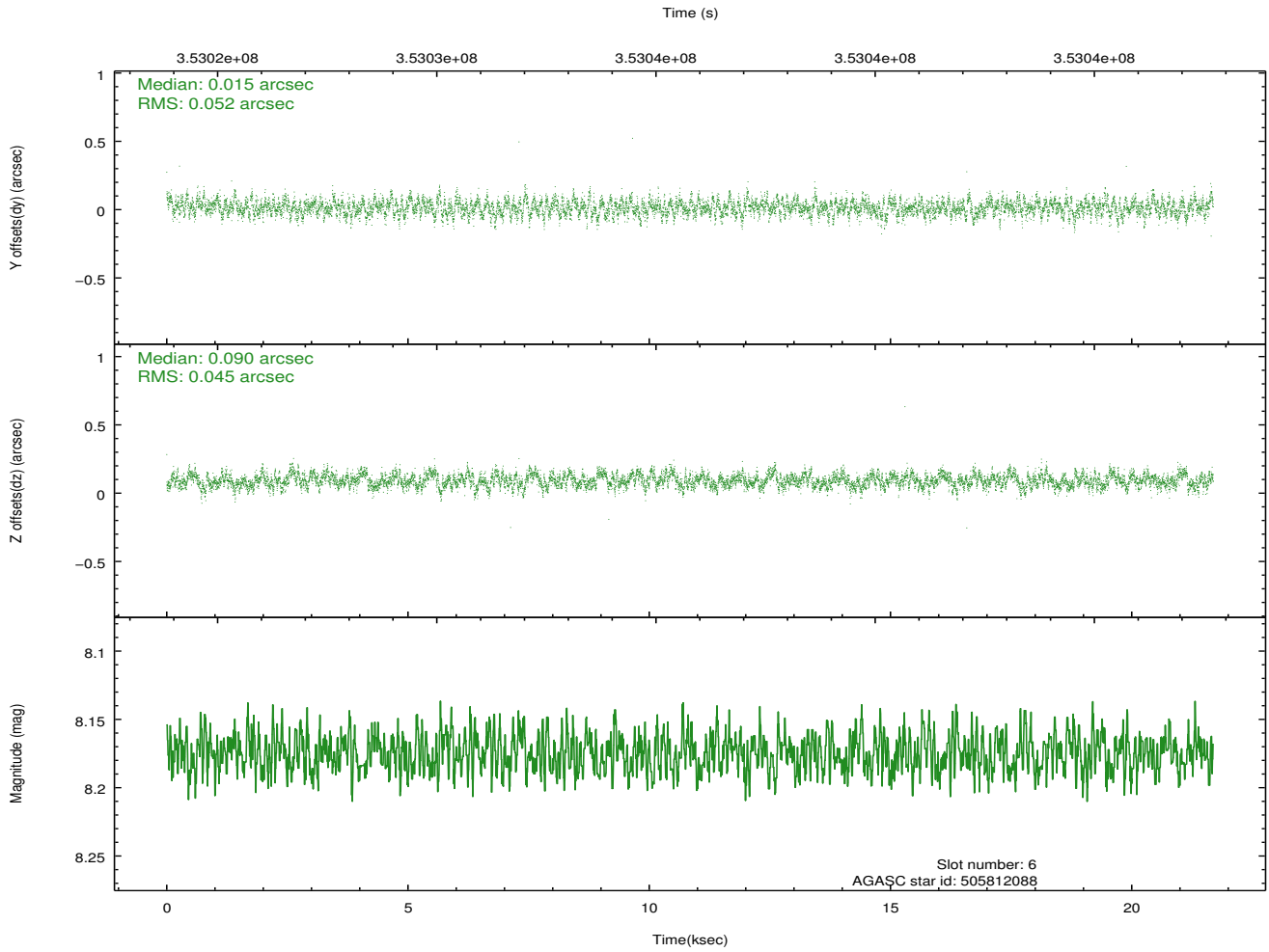
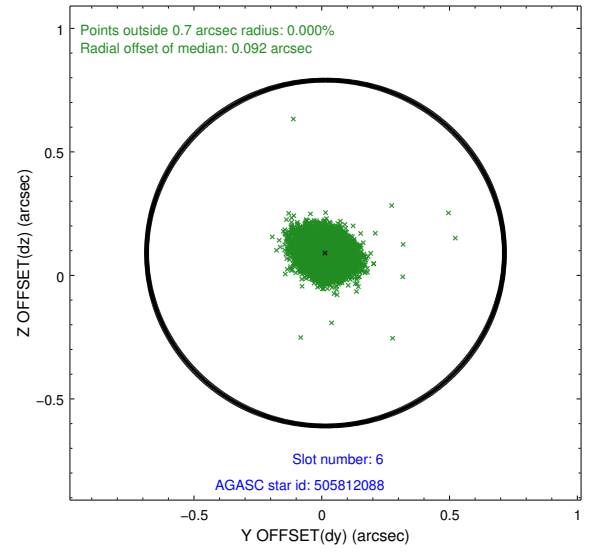
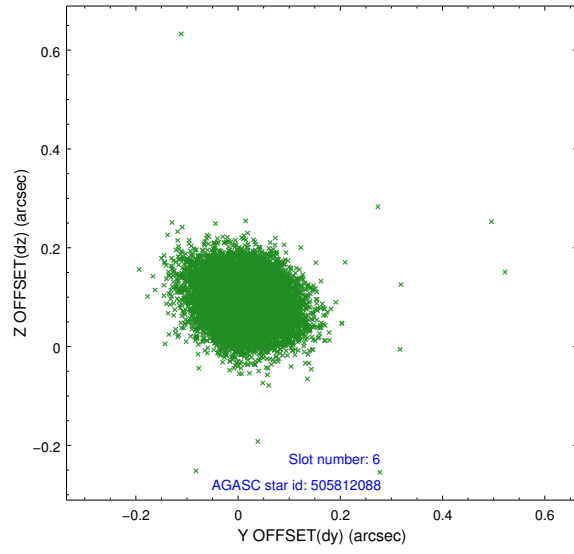
2.4.2 Slot 4



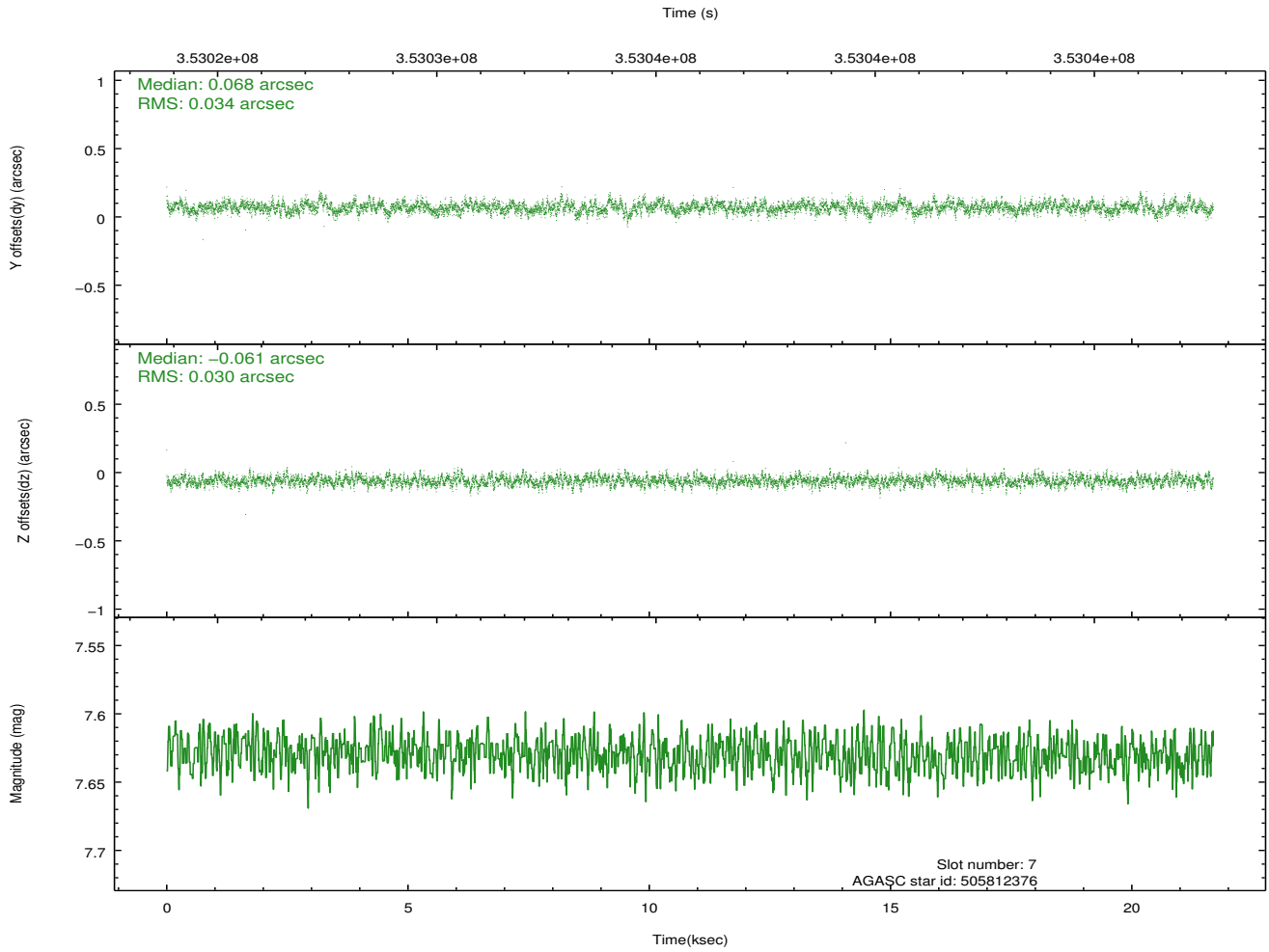
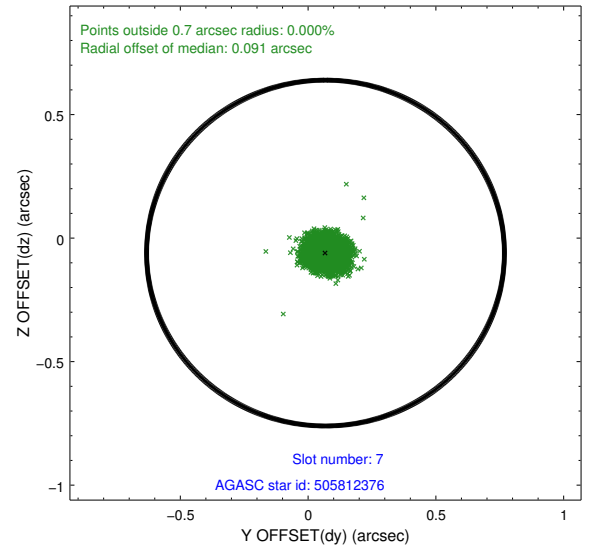
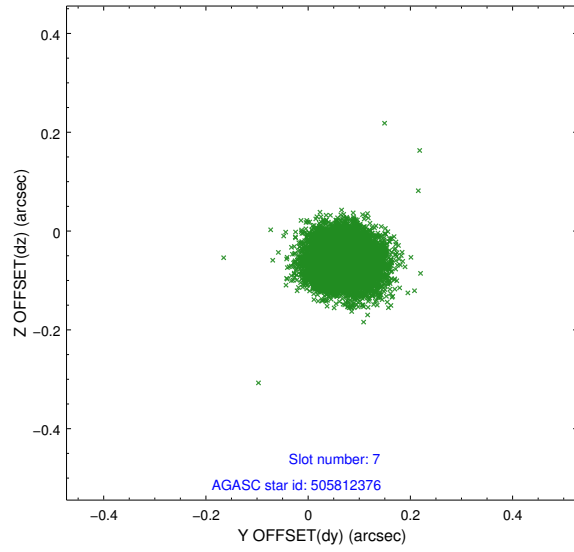
2.4.3 Slot 5



2.4.4 Slot 6

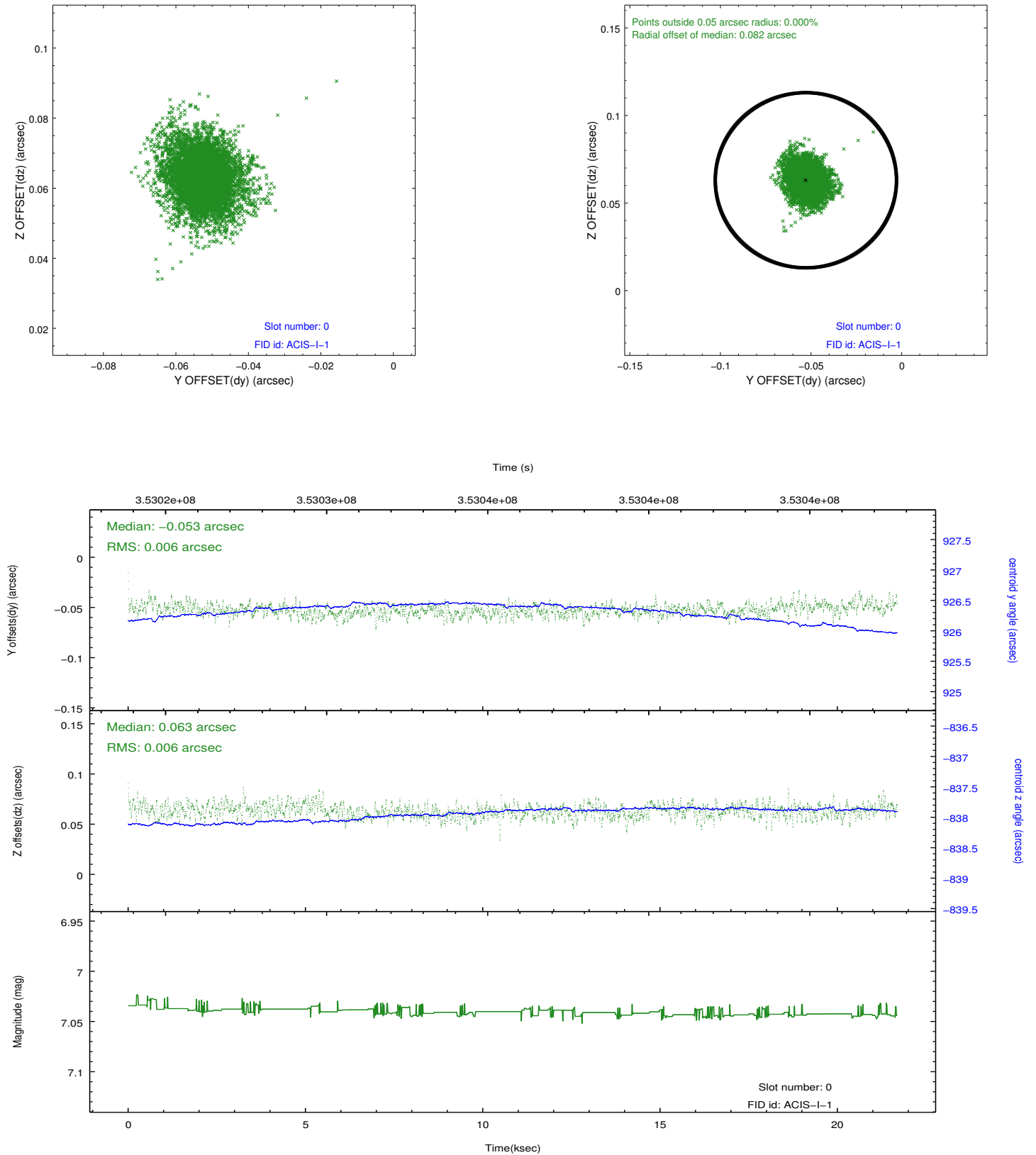


2.4.5 Slot 7

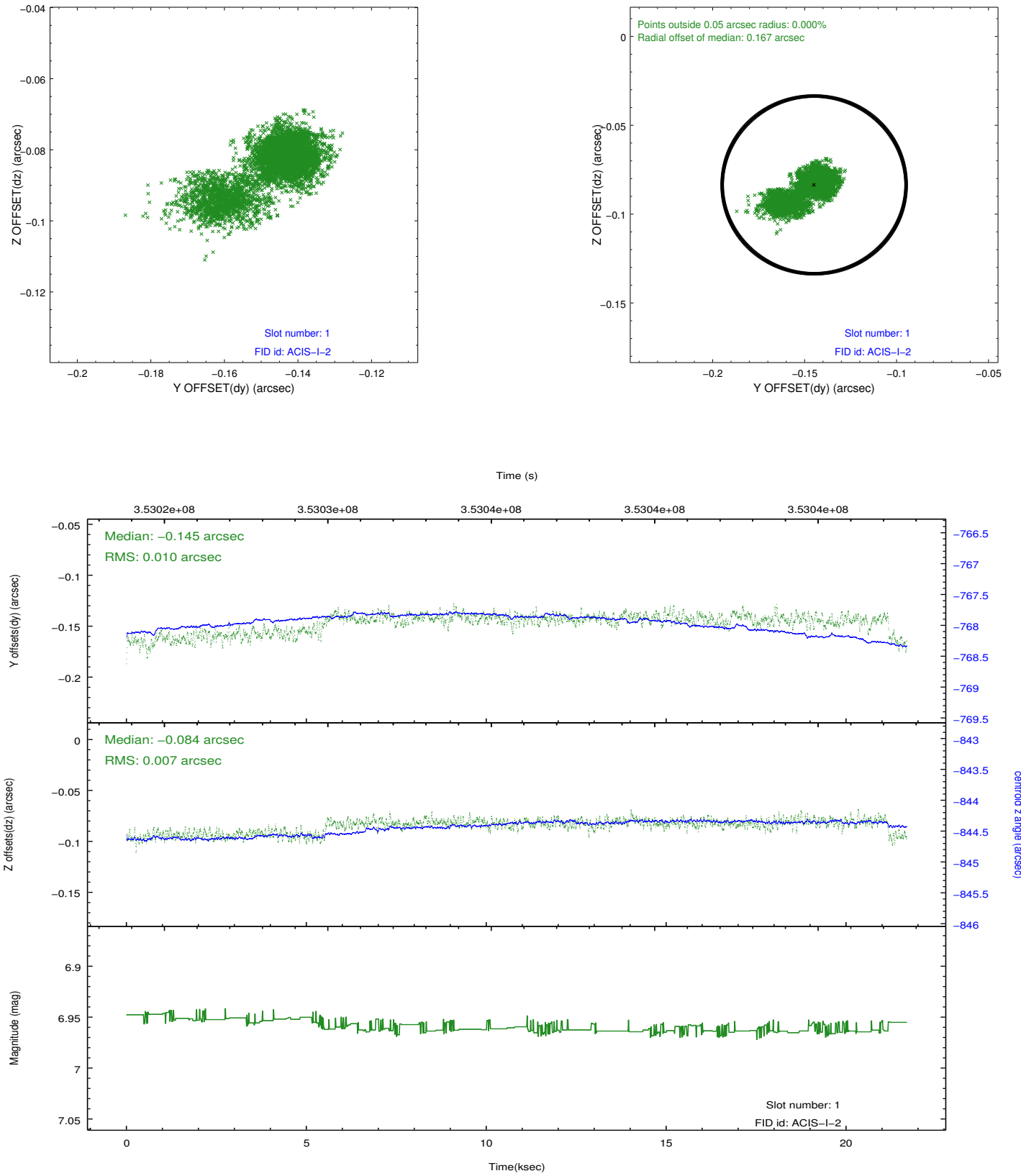


2.5 FID Slots

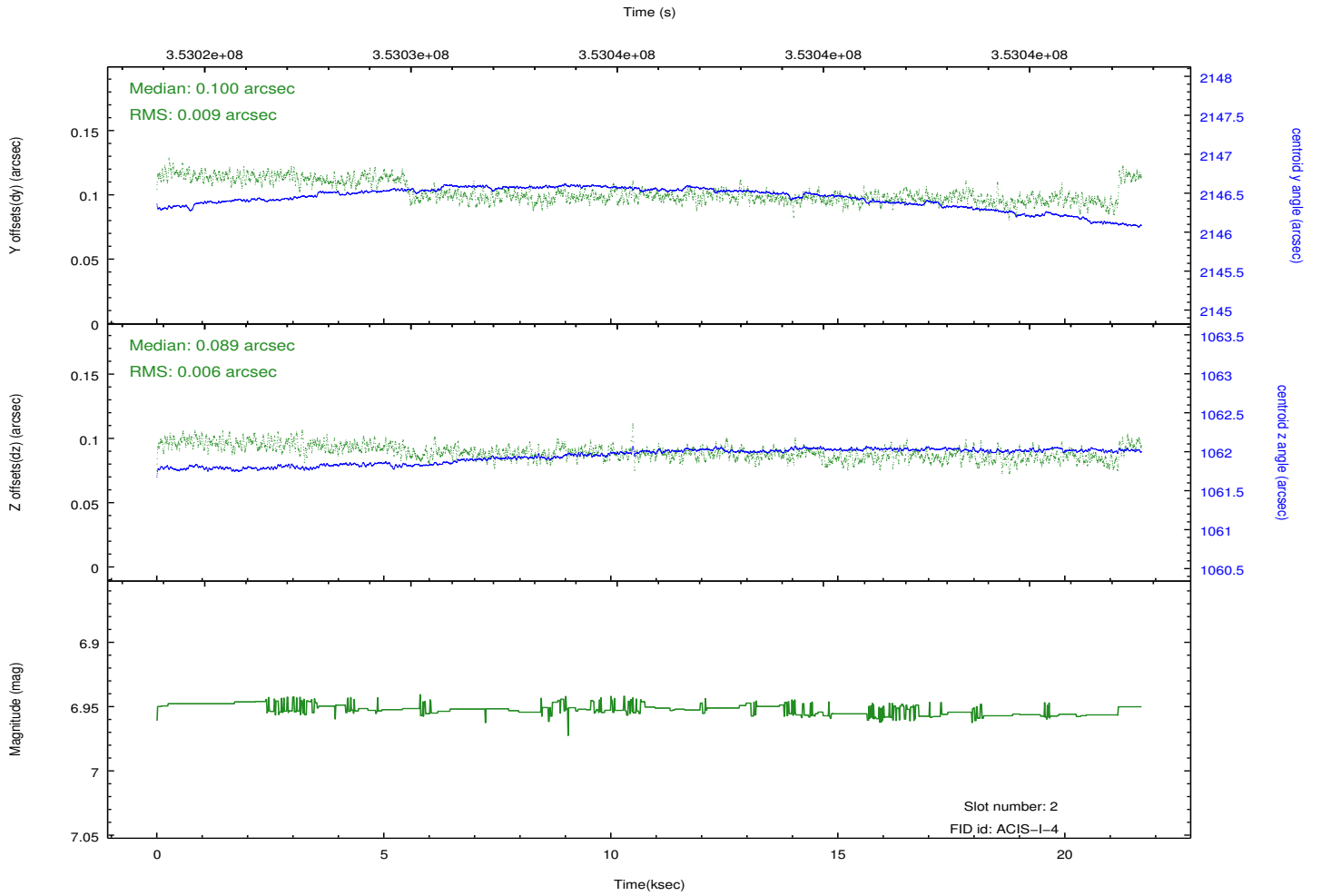
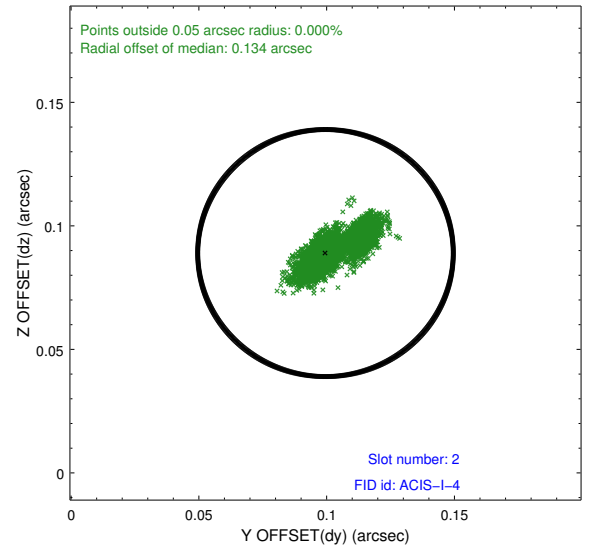
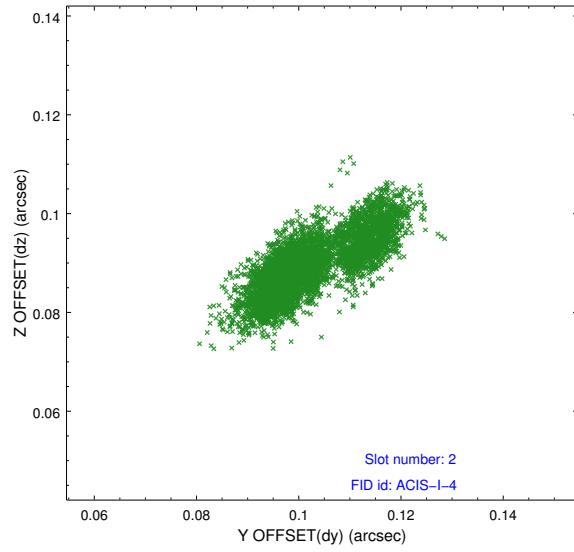
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.6429001

A.2 Comments

Joint Proposal: Spitzer. Roll constraint met.