

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9727 - L2 Version 2
Chandra X-Ray Center

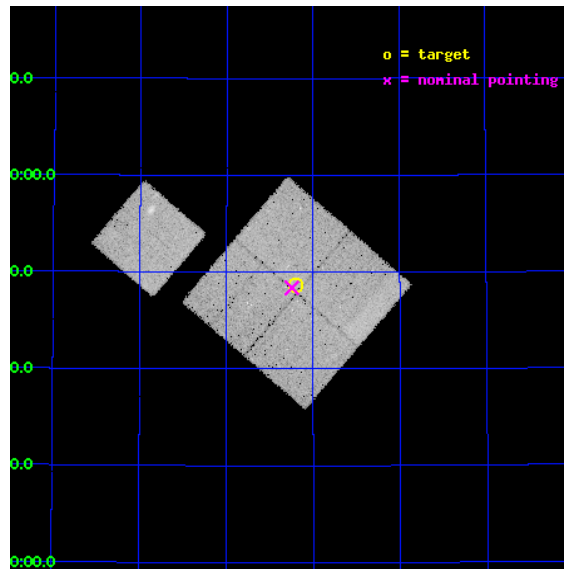
L2 Processing Date : May 21 2012

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1 Front

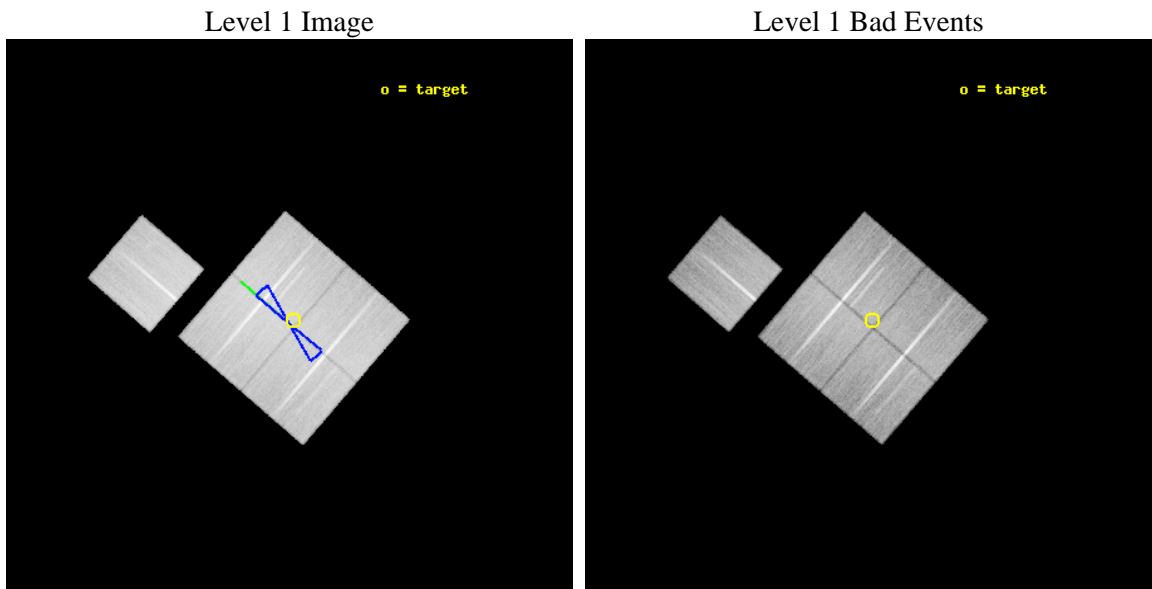
seq_num	900797	Sequence number
obs_id	9727	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.8	Observer's specified target RA [deg]
dec_targ	52.810611	Observer's specified target Dec [deg]
ra_nom	214.81131973388	Nominal RA [deg]
dec_nom	52.806338393663	Nominal Dec [deg]
roll_nom	310.69965620168	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35398.818291843	Sum of GTIs [s]
livetime	34936.306670629	Livetime [s]
ontime0	35401.959311903	Sum of GTIs [s]
ontime1	35405.100272298	Sum of GTIs [s]
ontime2	35401.959302008	Sum of GTIs [s]
ontime3	35398.818291843	Sum of GTIs [s]
ontime6	35398.818341672	Sum of GTIs [s]
l2events	124197	Number of level 2 events



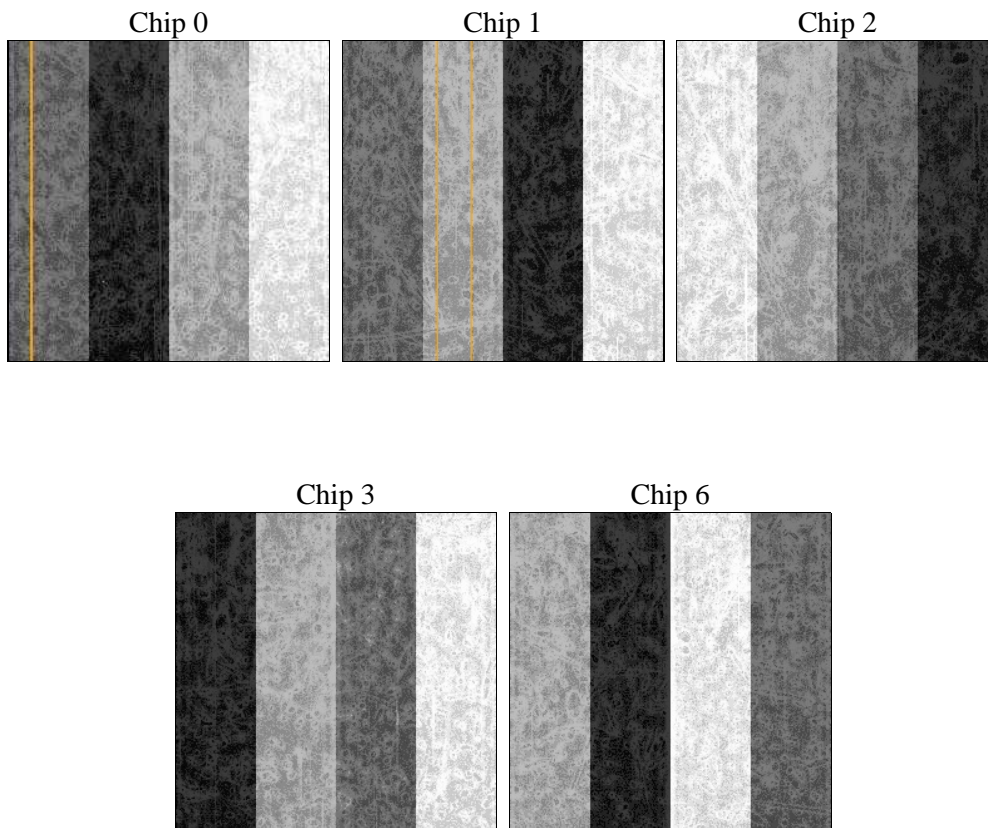
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35227.239000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	35398.818291843	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	35401.959311903	Sum of GTIs [s]
date	2012-05-21T09:37:26	Date and time of file creation	ontime1	35405.100272298	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	35401.959302008	Sum of GTIs [s]
			ontime3	35398.818291843	Sum of GTIs [s]
			ontime6	35398.818341672	Sum of GTIs [s]
			l1events	1491599	Number of level 1 events

2.1.4 Events

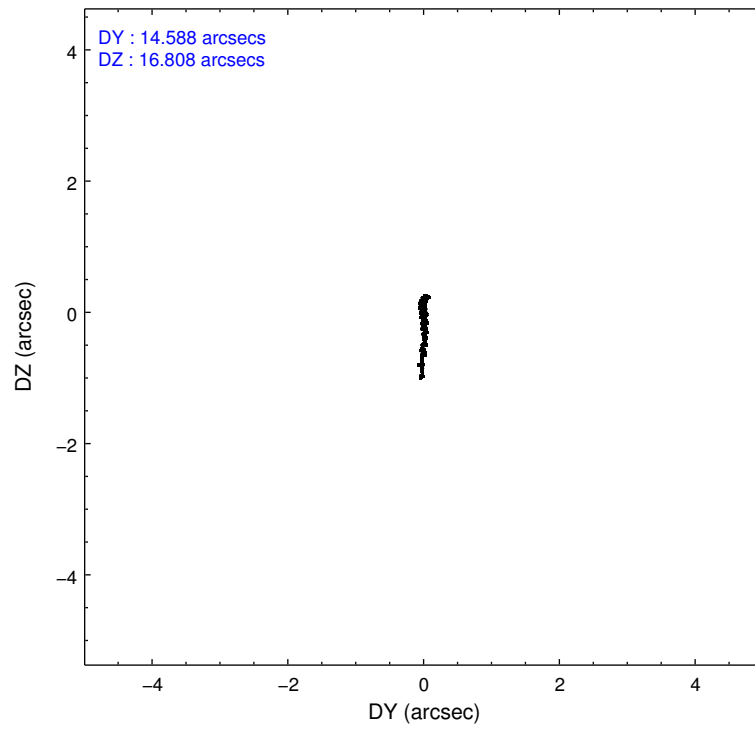
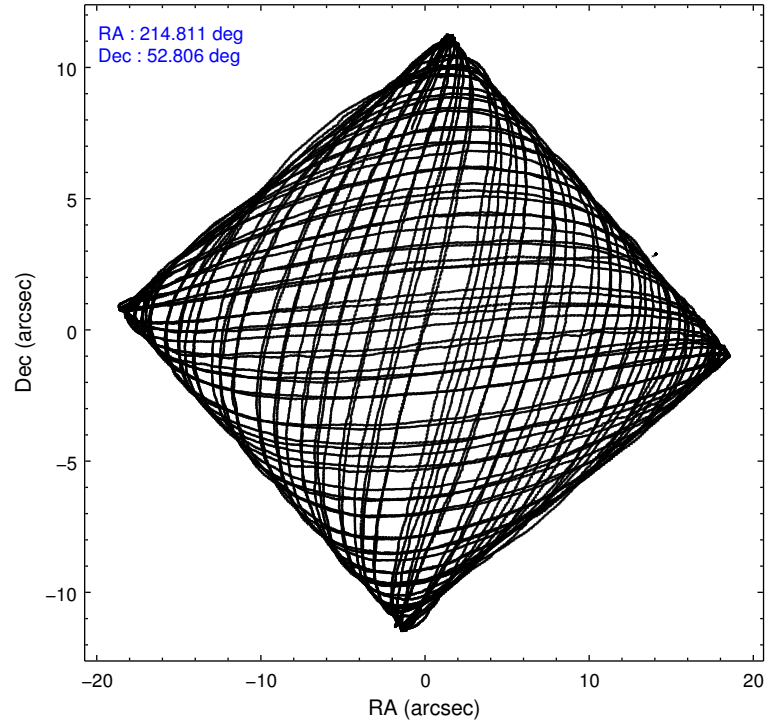
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	282880	286813	318374	300029	303503
rejected events	253405	254288	289601	272472	272459
rejected %	89%	88%	90%	90%	89%

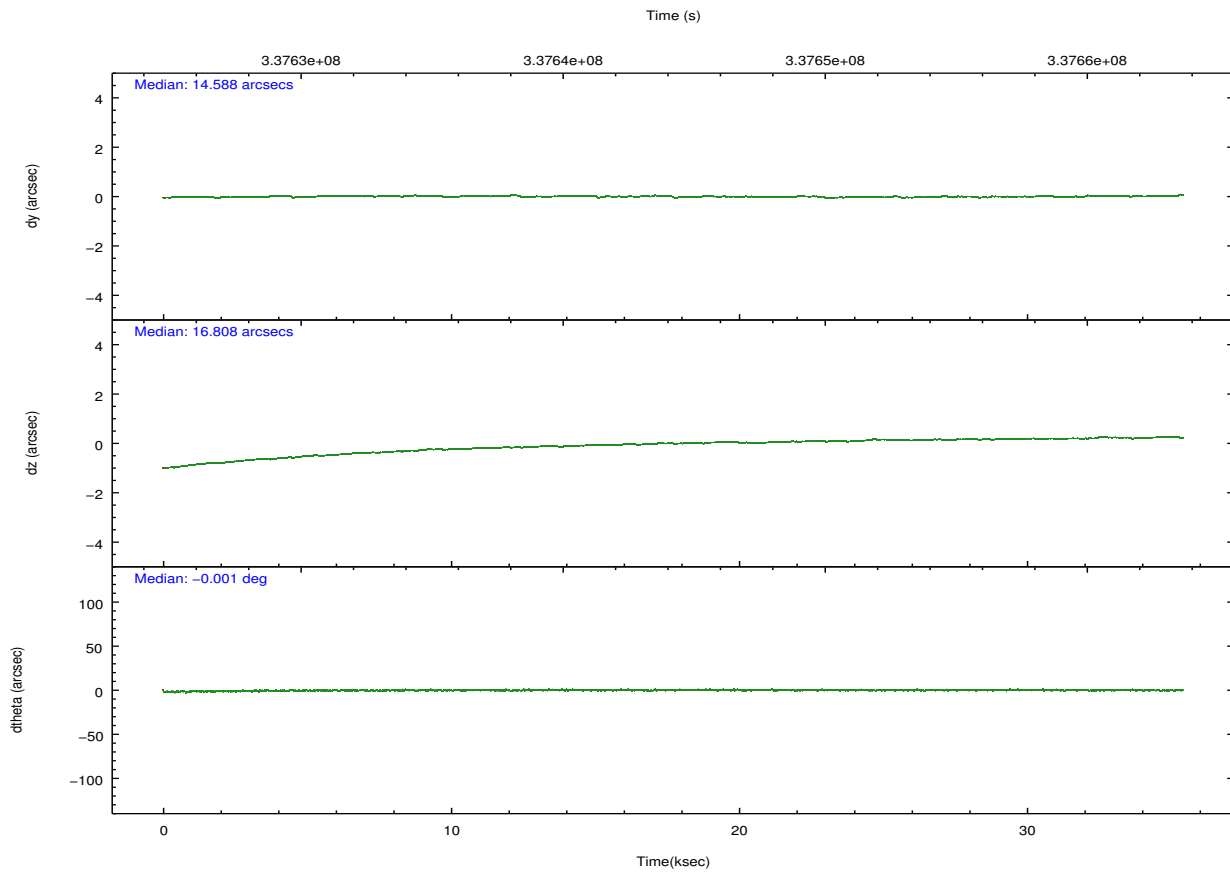
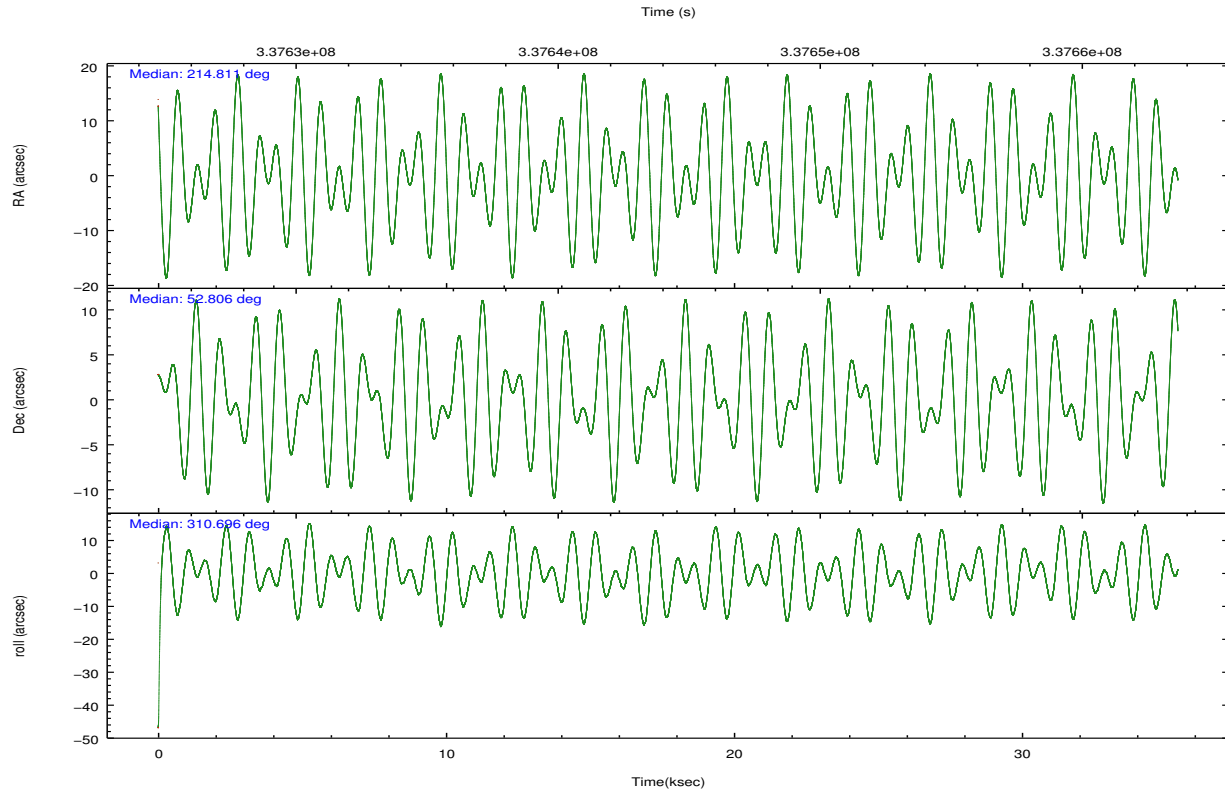
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10392	11956	10643	9853	11625
	3%	4%	3%	3%	3%
grade 1 events	156	158	171	190	149
	0%	0%	0%	0%	0%
grade 2 events	7526	7706	7302	6448	7016
	2%	2%	2%	2%	2%
grade 3 events	3426	3520	3119	3286	3342
	1%	1%	0%	1%	1%
grade 4 events	3163	3594	3197	3140	3375
	1%	1%	1%	1%	1%
grade 5 events	10713	12019	10106	12627	12305
	3%	4%	3%	4%	4%
grade 6 events	6089	6980	5474	5847	6759
	2%	2%	1%	1%	2%
grade 7 events	241415	240880	278362	258638	258932
	85%	83%	87%	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	214.768343	214.8113197338806	CCD I2 on	Y	Y
[deg] Pointing Dec	52.815312	52.80633839366261	CCD I3 on	Y	Y
[deg] Pointing Roll	310.525218	310.6996562016828	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)	337626666.184000	337625052.36508	Subarray requested	NONE	NONE
Observation start date	2008-09-12T17:10:01	2008-09-12T16:44:12	Alternating exposures requested	N	N
[s] Observation end time (MET)	337661893.184000	337662129.6919	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-09-13T02:57:08	2008-09-13T03:02:09			
Read mode	TIMED	TIMED			

2.3 Aspect





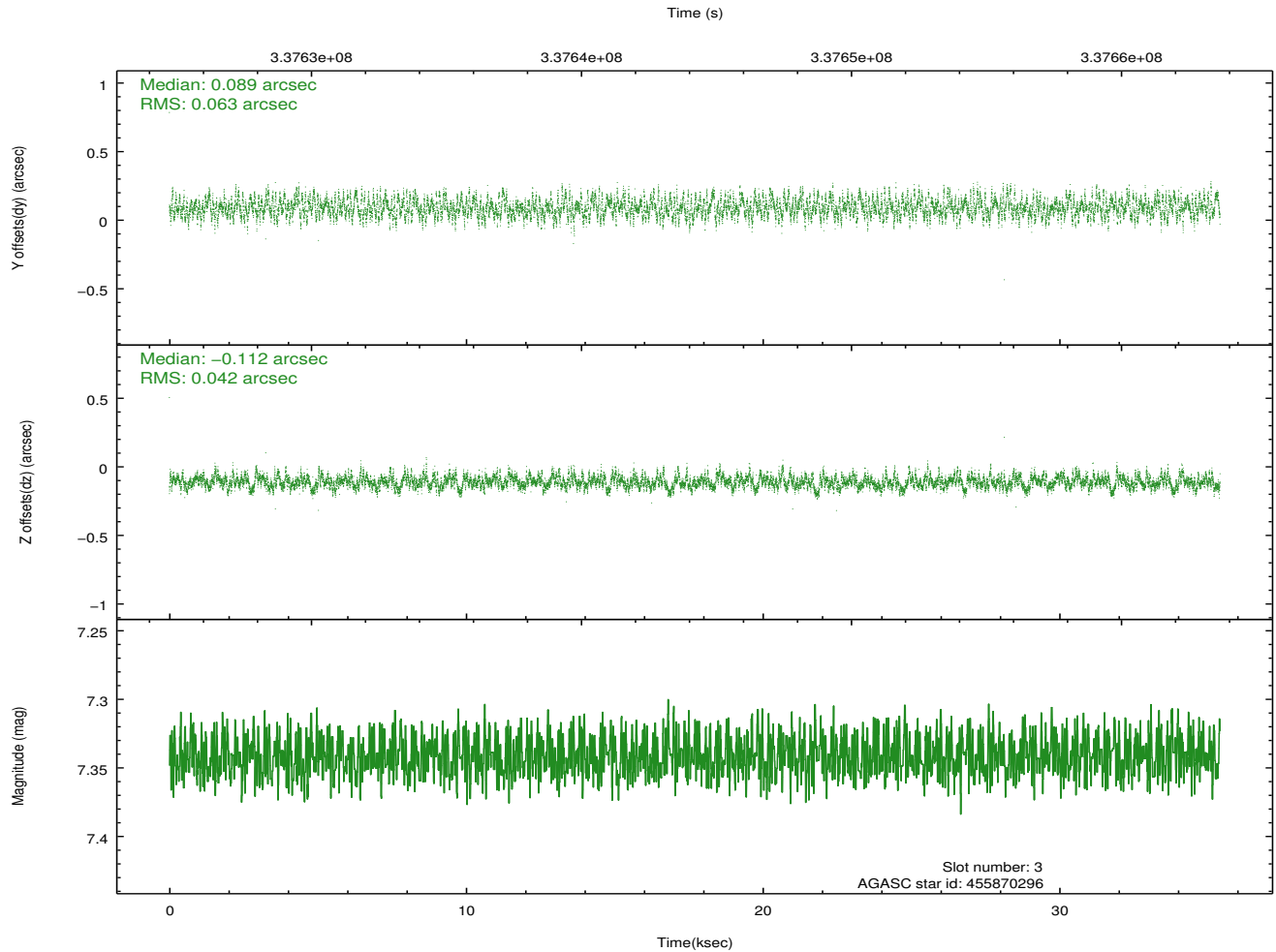
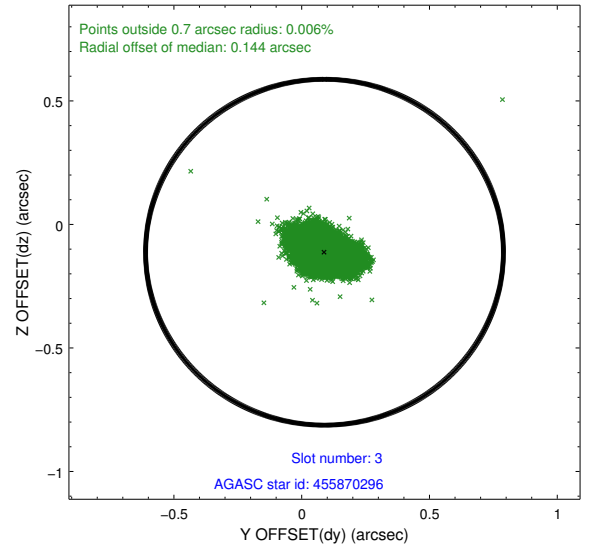
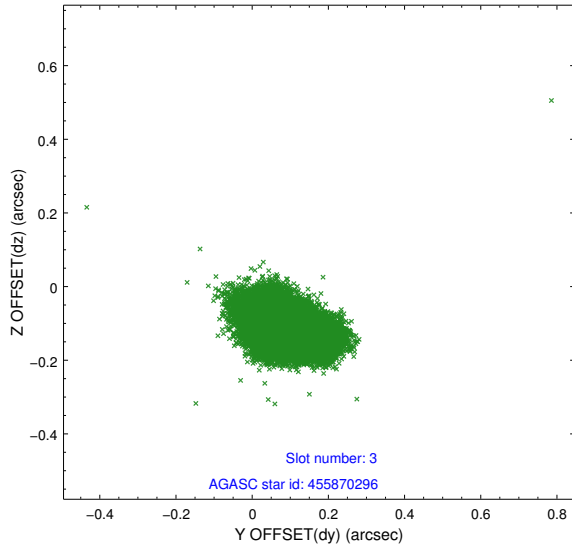
Slot Statistics

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	8638	0.058	-0.016	0.008	0.014	0.000000	0.000000	924.92	-840.37
1	FID	ACIS-I-5	7.02	8638	-0.208	0.066	0.007	0.014	0.000000	0.000000	-1823.40	1057.23
2	FID	ACIS-I-6	7.04	8638	0.059	0.020	0.010	0.021	0.000000	0.000000	390.47	1701.69
3	GUIDE	455870296	7.34	17270	0.089	-0.112	0.081	0.131	214.629779	52.033323	1940.94	-2062.07
4	GUIDE	455871352	8.12	17269	0.184	0.096	0.061	0.097	215.099961	52.172669	2233.82	-945.27
5	GUIDE	505806936	7.01	17274	-0.067	0.013	0.050	0.086	213.820815	52.535927	-593.42	-2221.56
6	GUIDE	505812088	8.14	17263	0.020	-0.013	0.071	0.113	214.186617	53.263562	-2043.99	99.74
7	GUIDE	505812376	7.66	17211	-0.235	0.015	0.059	0.094	214.039537	52.937930	-1368.95	-909.70

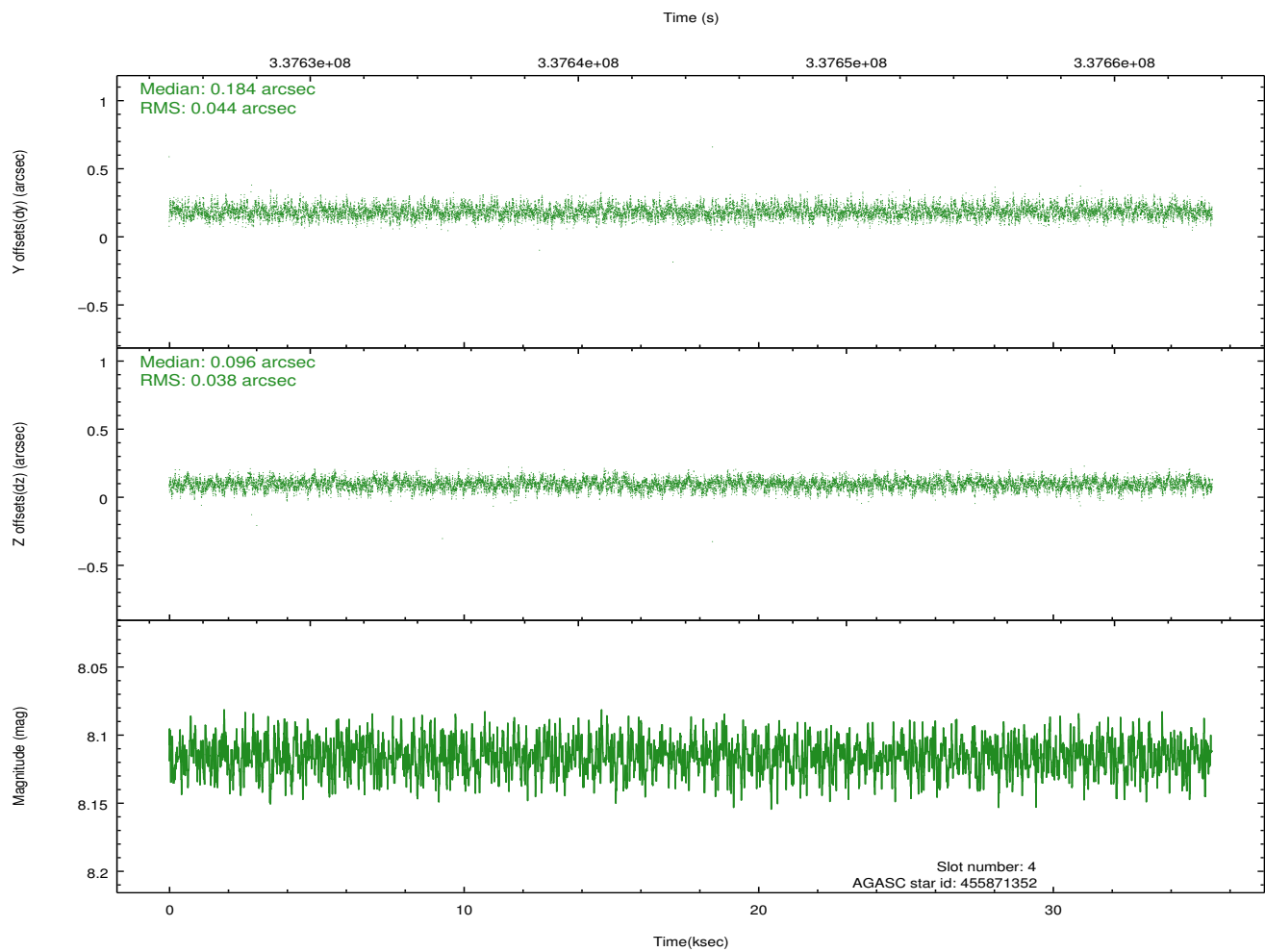
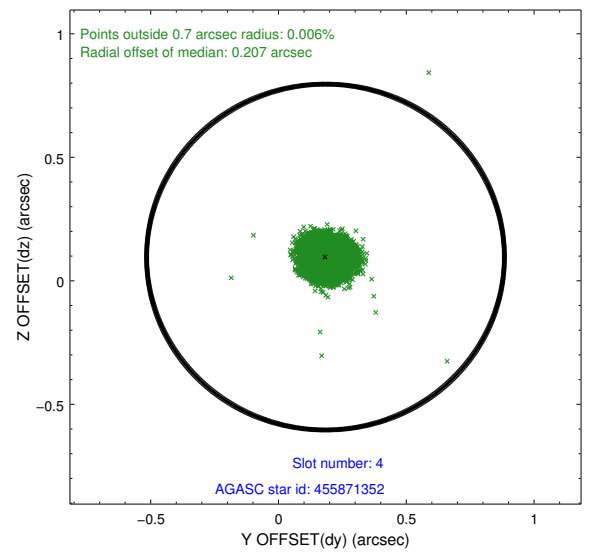
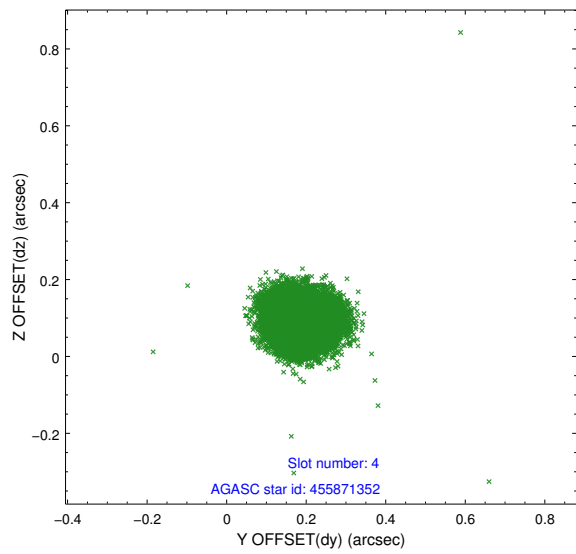
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2.4 Star Slots

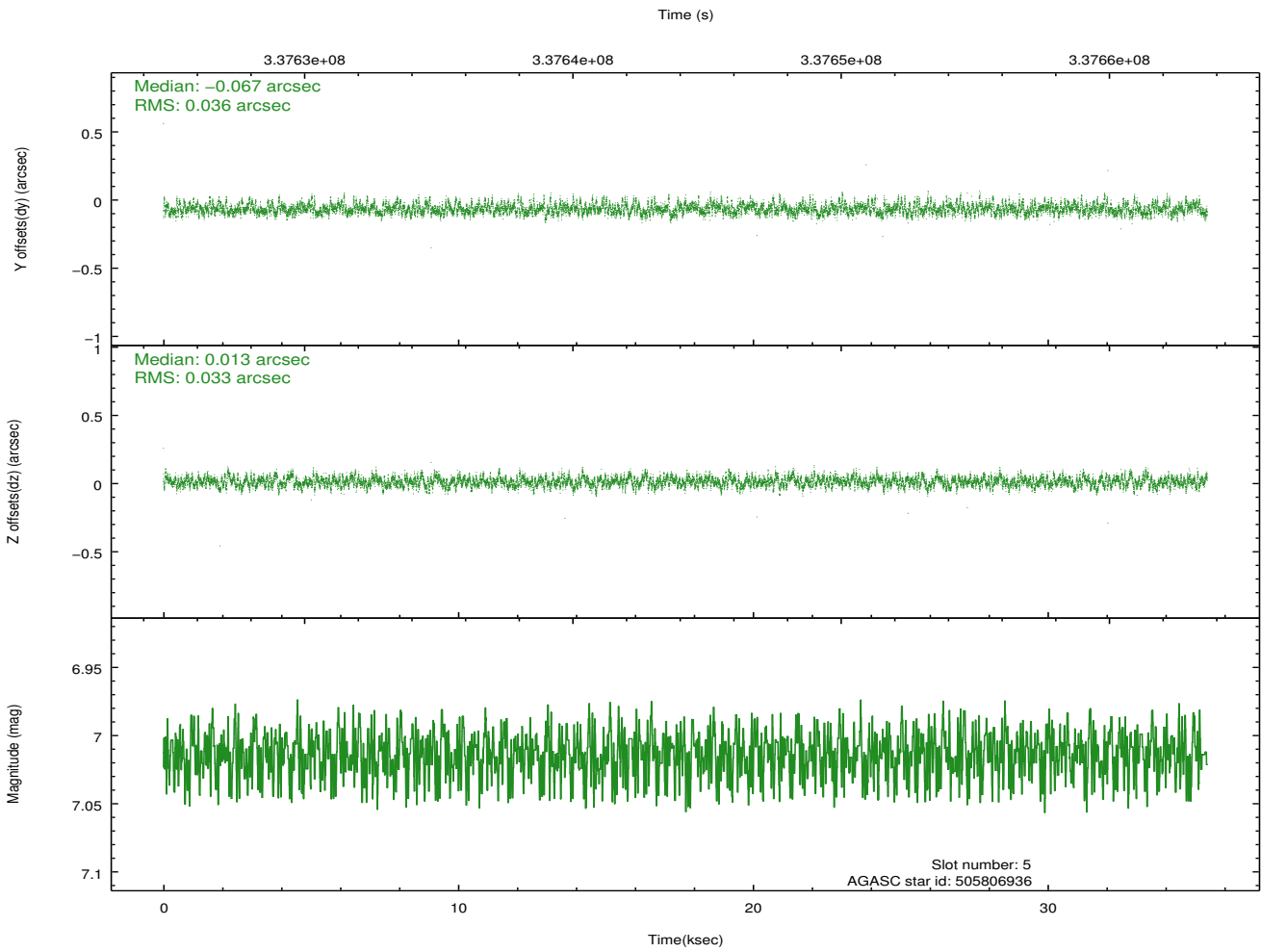
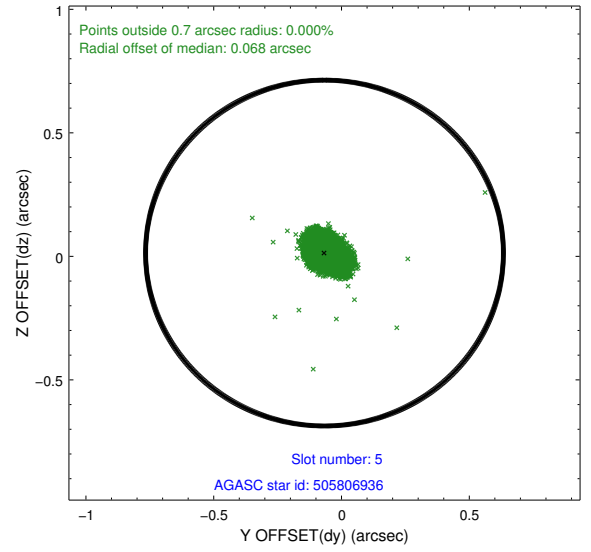
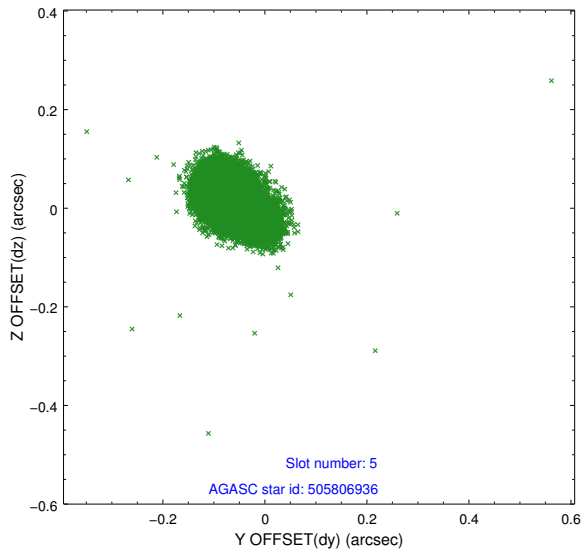
2.4.1 Slot 3



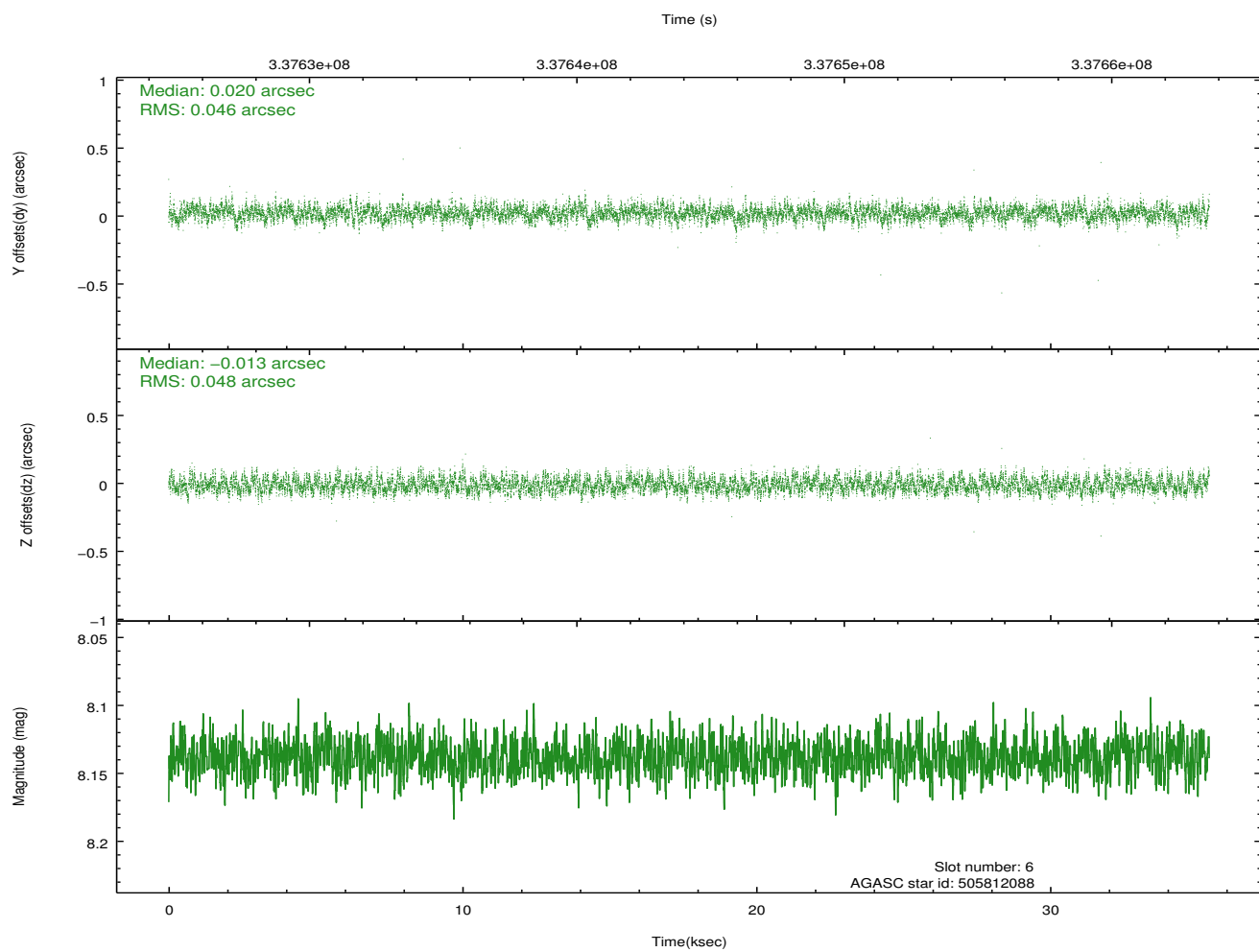
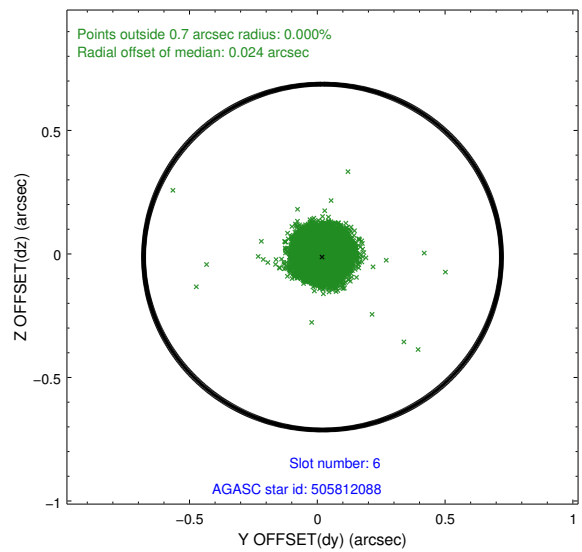
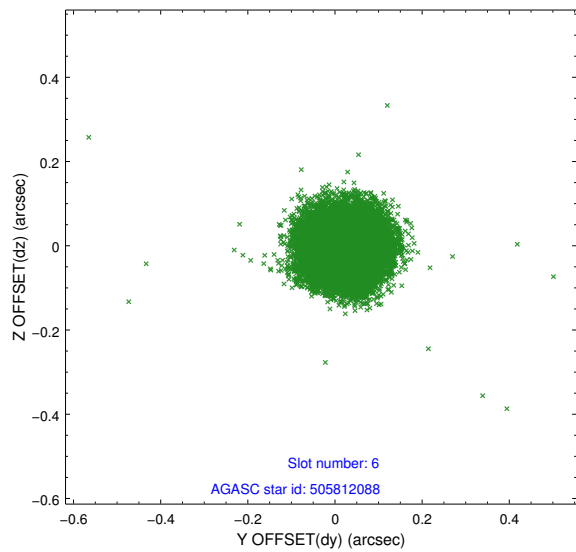
2.4.2 Slot 4



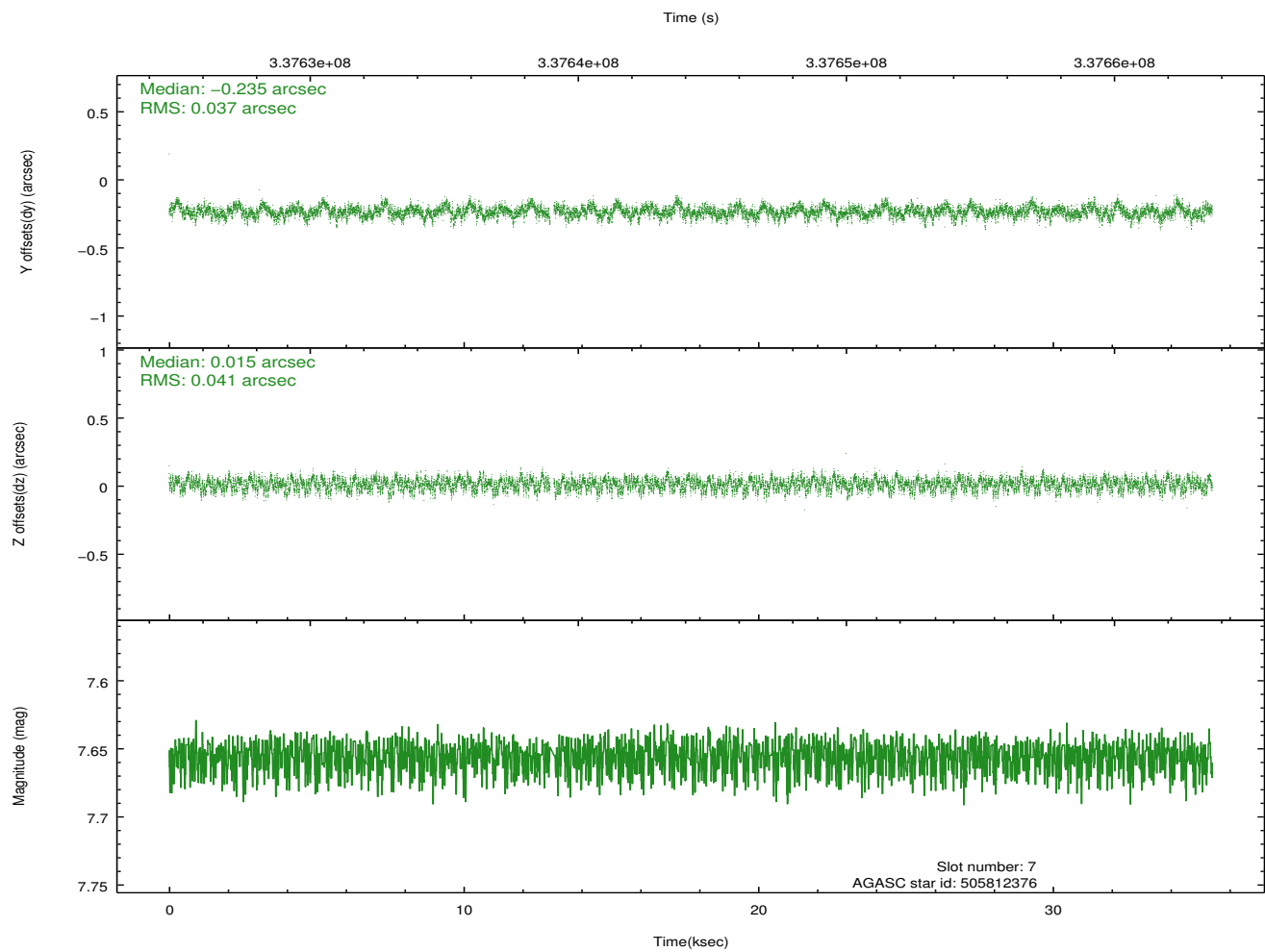
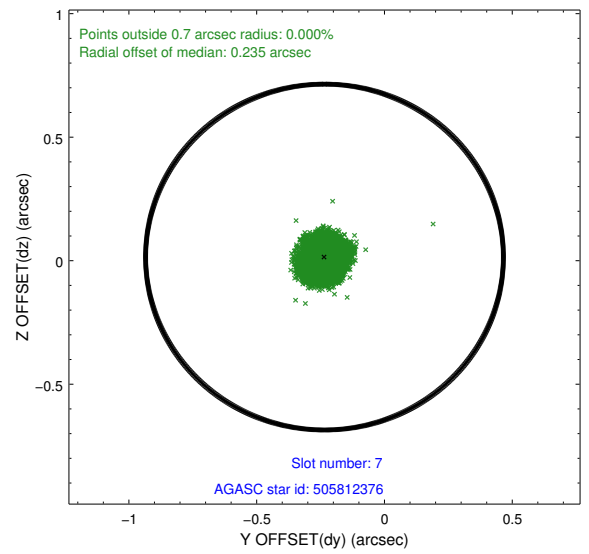
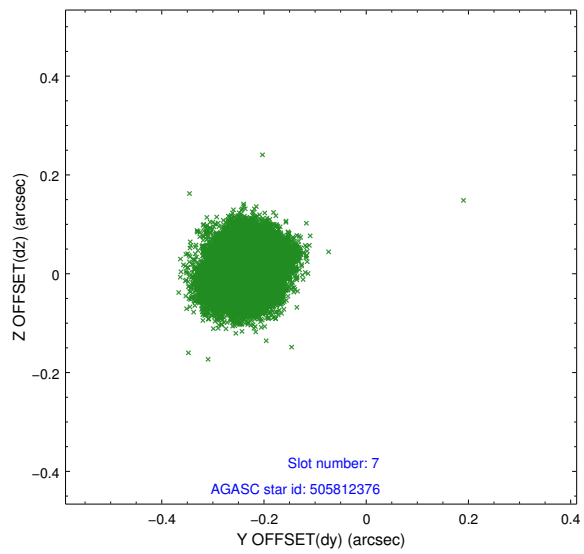
2.4.3 Slot 5



2.4.4 Slot 6

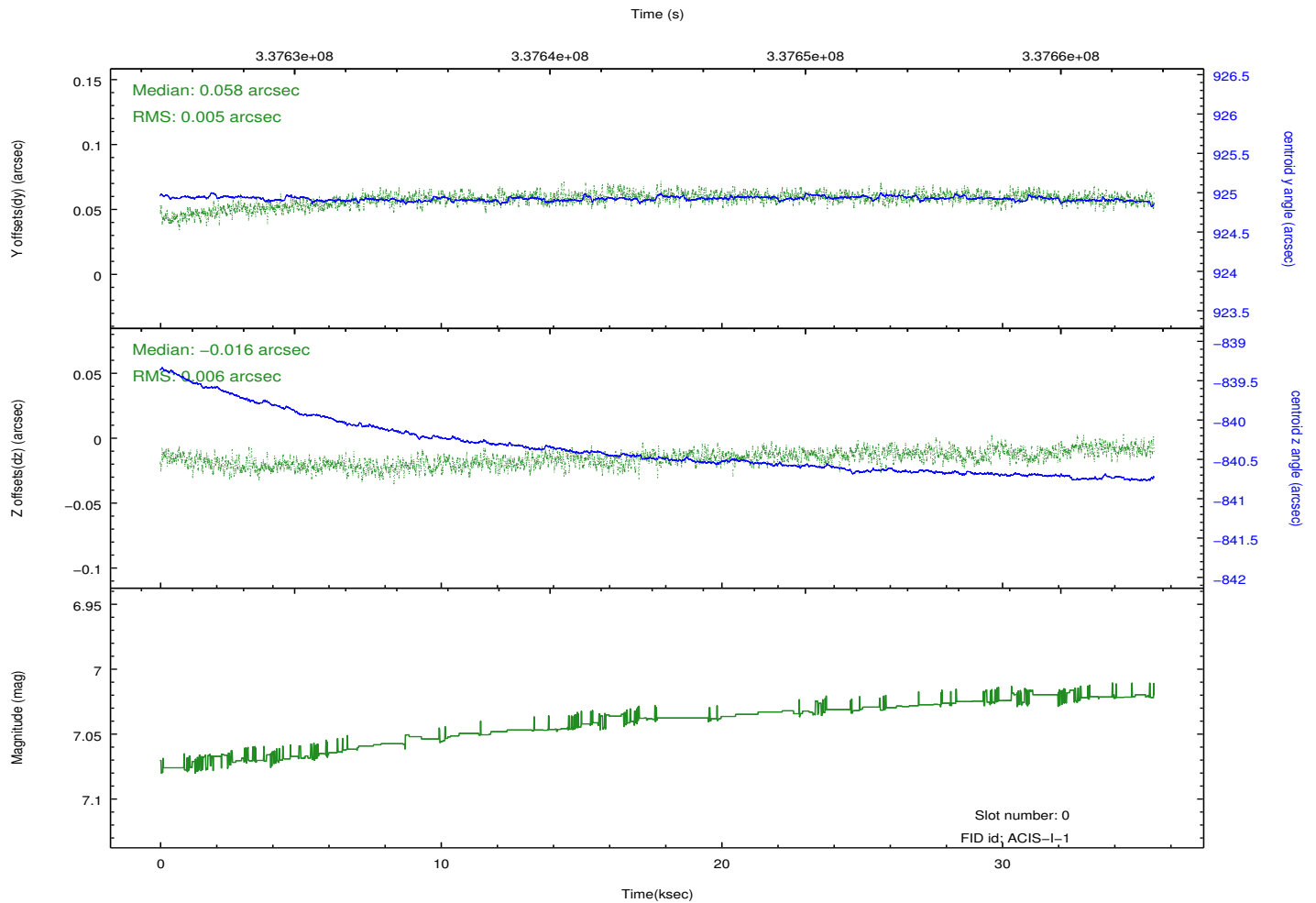
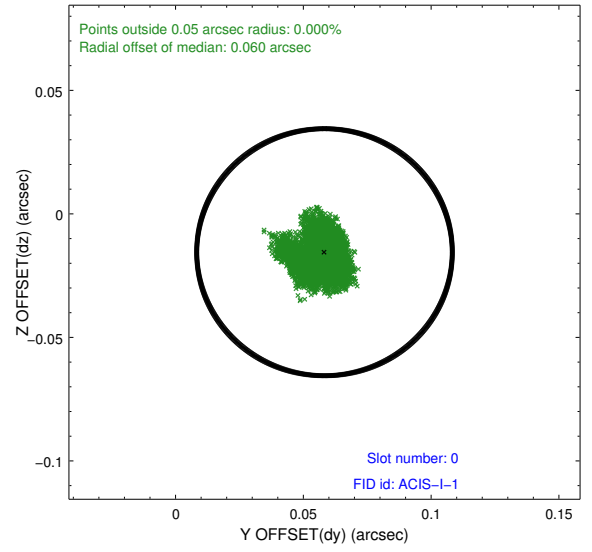
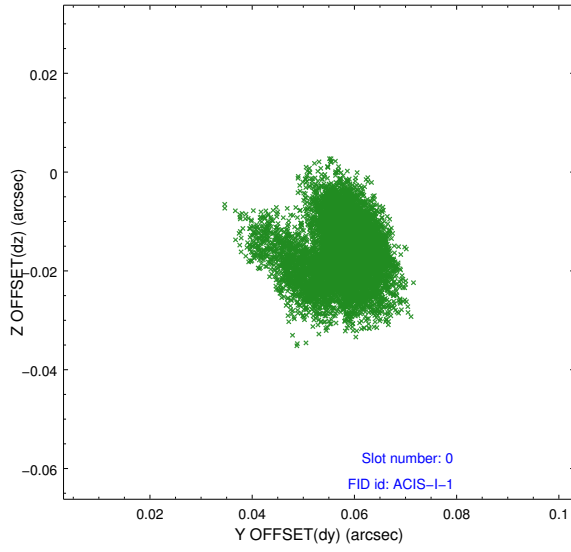


2.4.5 Slot 7

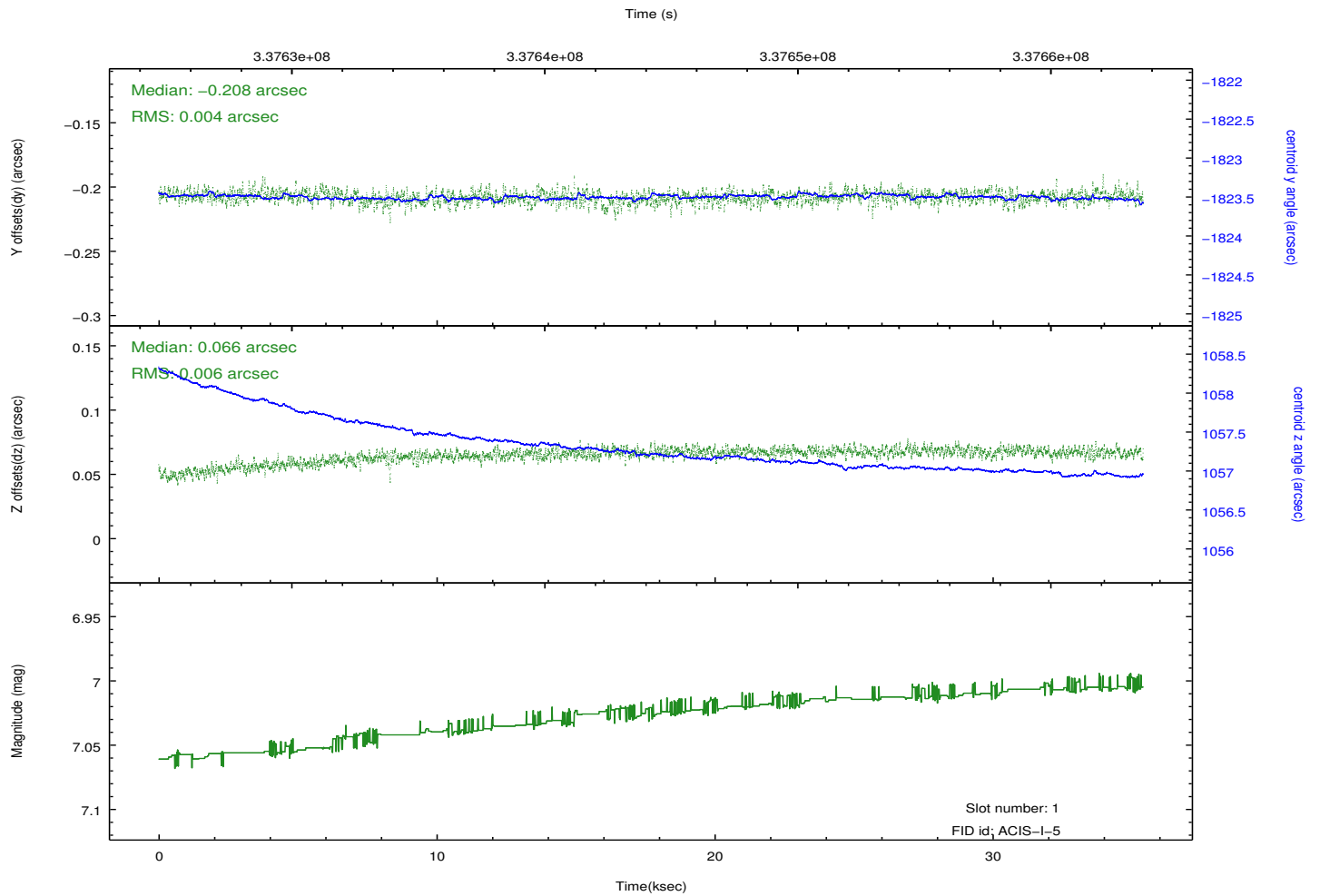
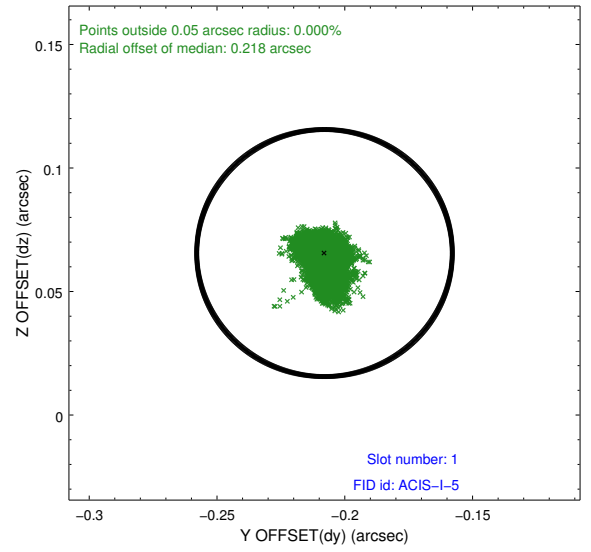
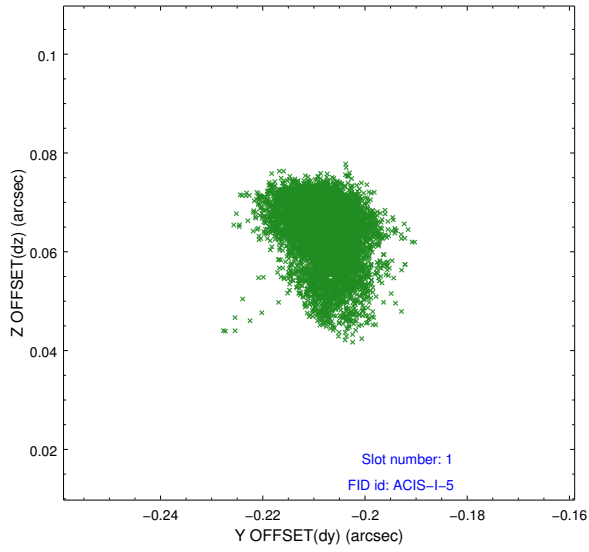


2.5 FID Slots

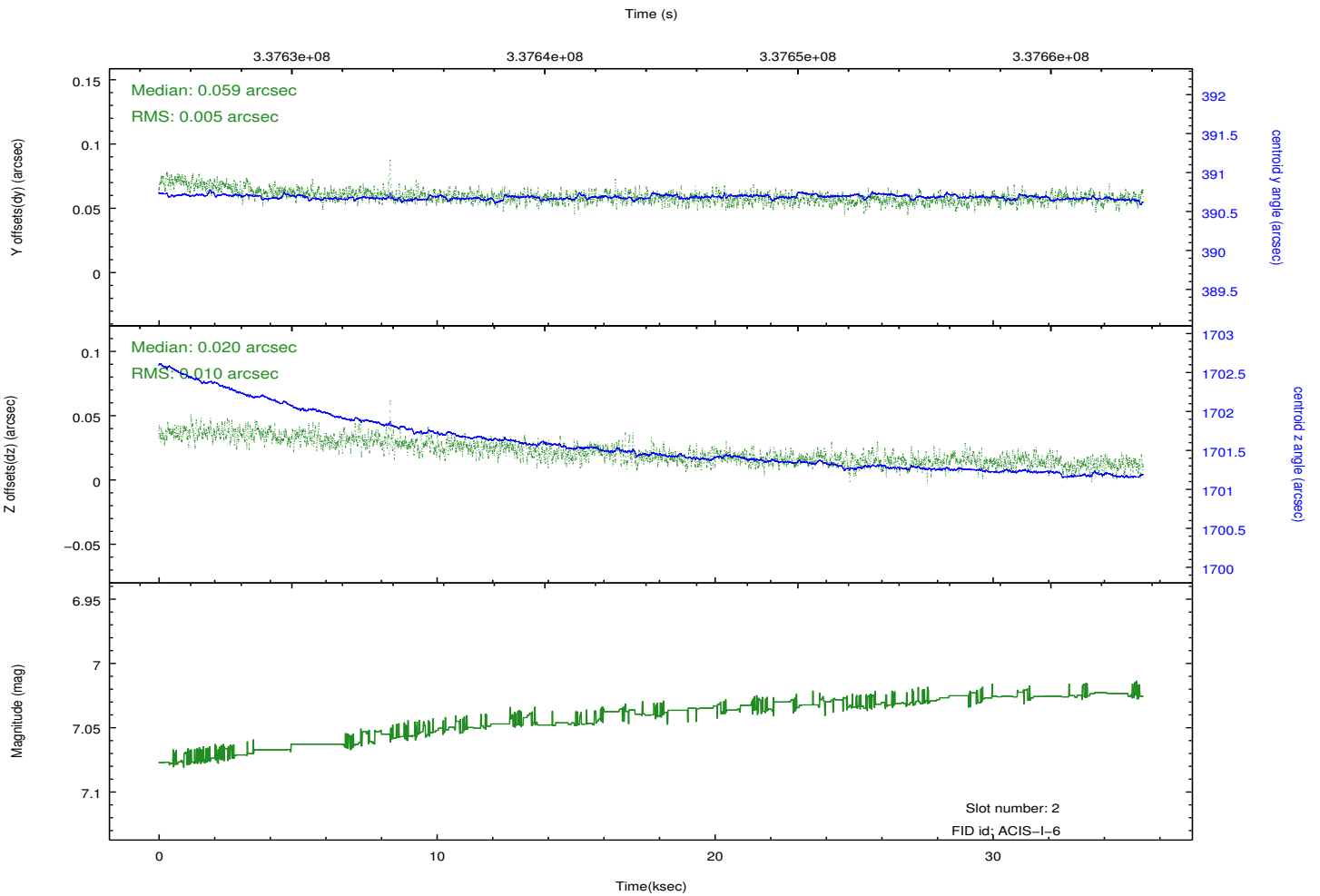
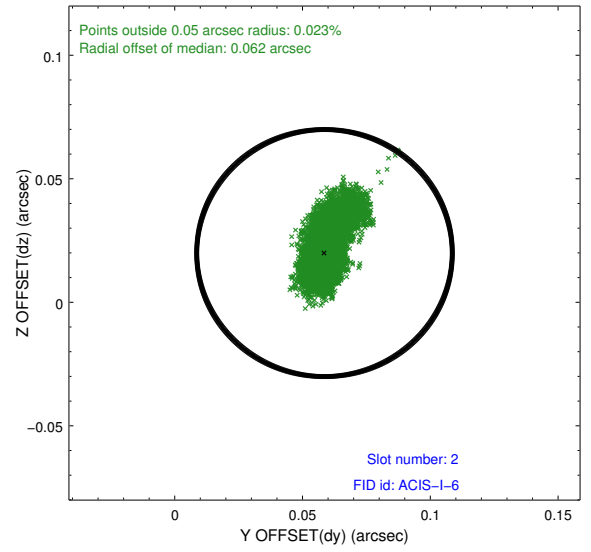
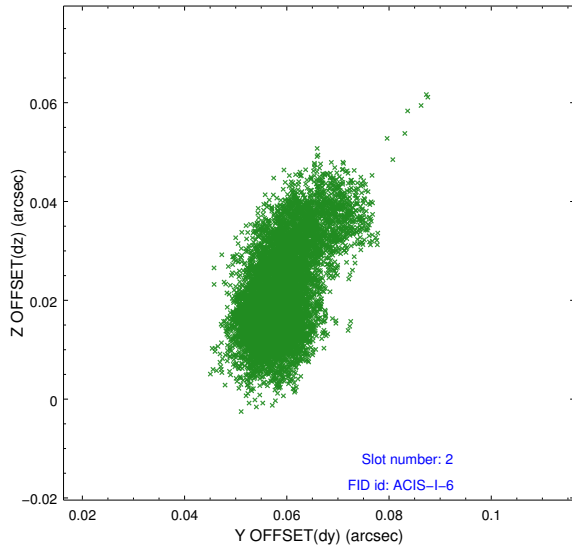
2.5.1 Slot 0



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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.3988182

A.2 Comments

Joint Proposal: Spitzer. Roll constraint met.