

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9726 - L2 Version 2
Chandra X-Ray Center

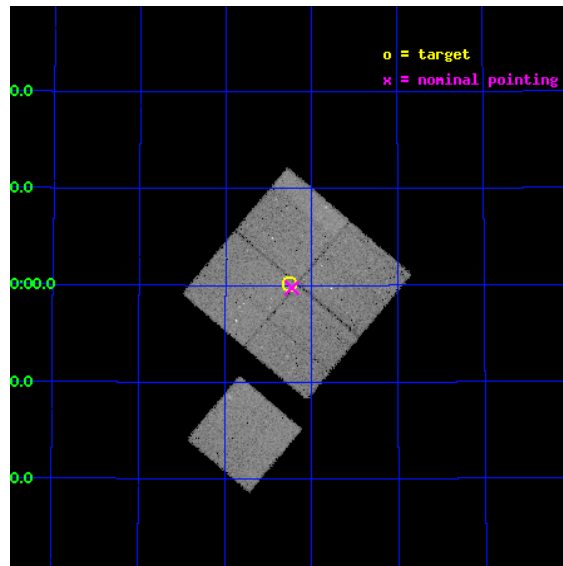
L2 Processing Date : May 16 2012

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1 Front

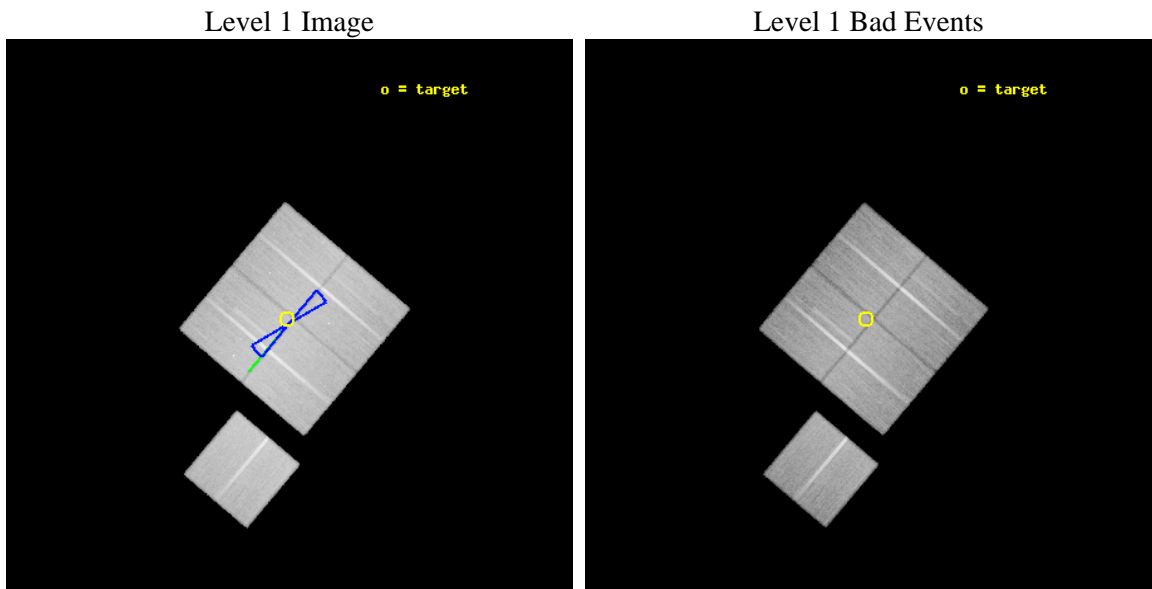
seq_num	900796	Sequence number
obs_id	9726	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.05736870058	Nominal RA [deg]
dec_nom	52.995874271527	Nominal Dec [deg]
roll_nom	220.21445289265	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40144.959318459	Sum of GTIs [s]
livetime	39620.435870674	Livetime [s]
ontime0	40144.959338486	Sum of GTIs [s]
ontime1	40138.677357912	Sum of GTIs [s]
ontime2	40141.818328321	Sum of GTIs [s]
ontime3	40144.959318459	Sum of GTIs [s]
ontime6	40141.818368137	Sum of GTIs [s]
l2events	137588	Number of level 2 events



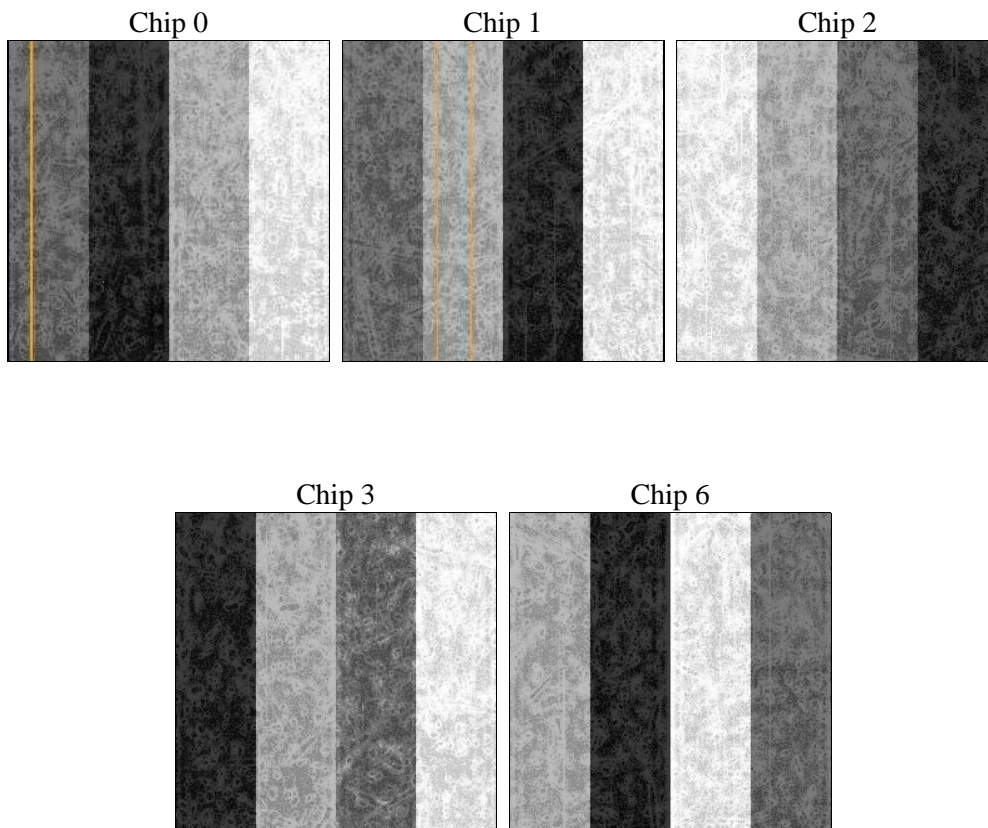
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	40144.959318459	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	40144.959338486	Sum of GTIs [s]
date	2012-05-16T04:04:35	Date and time of file creation	ontime1	40138.677357912	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	40141.818328321	Sum of GTIs [s]
			ontime3	40144.959318459	Sum of GTIs [s]
			ontime6	40141.818368137	Sum of GTIs [s]
			l1events	1583145	Number of level 1 events

2.1.4 Events

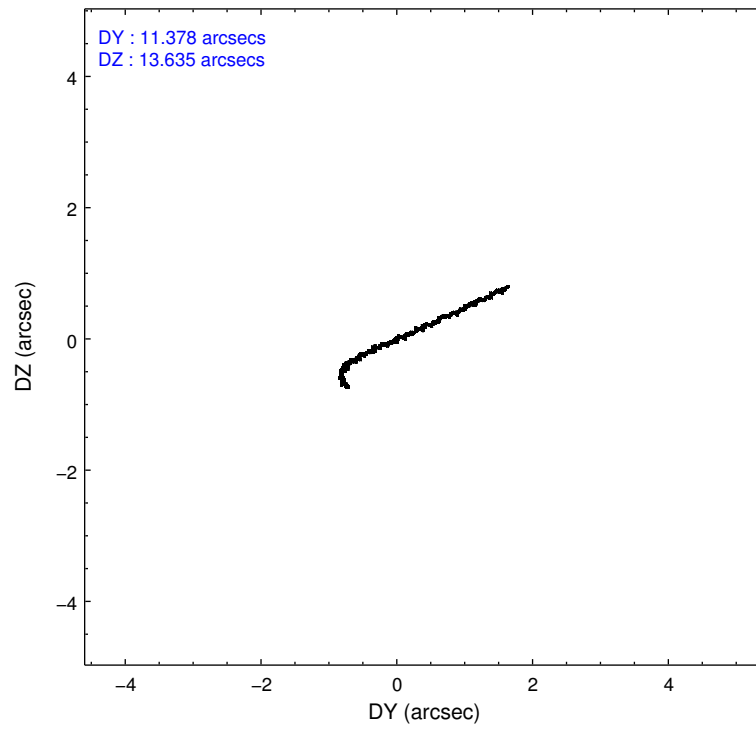
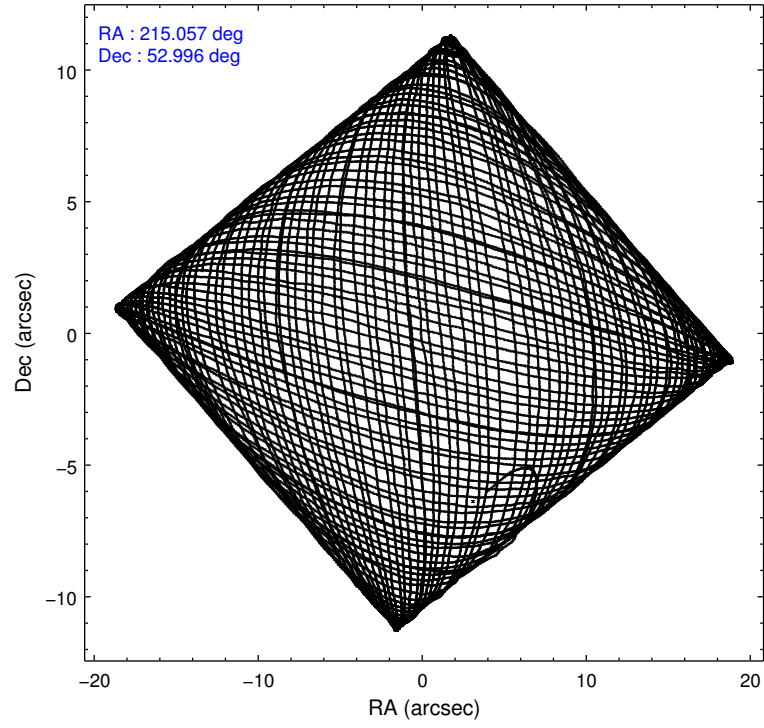
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	299162	302649	337317	319600	324417
rejected events	266259	265851	305684	287799	291724
rejected %	89%	87%	90%	90%	89%

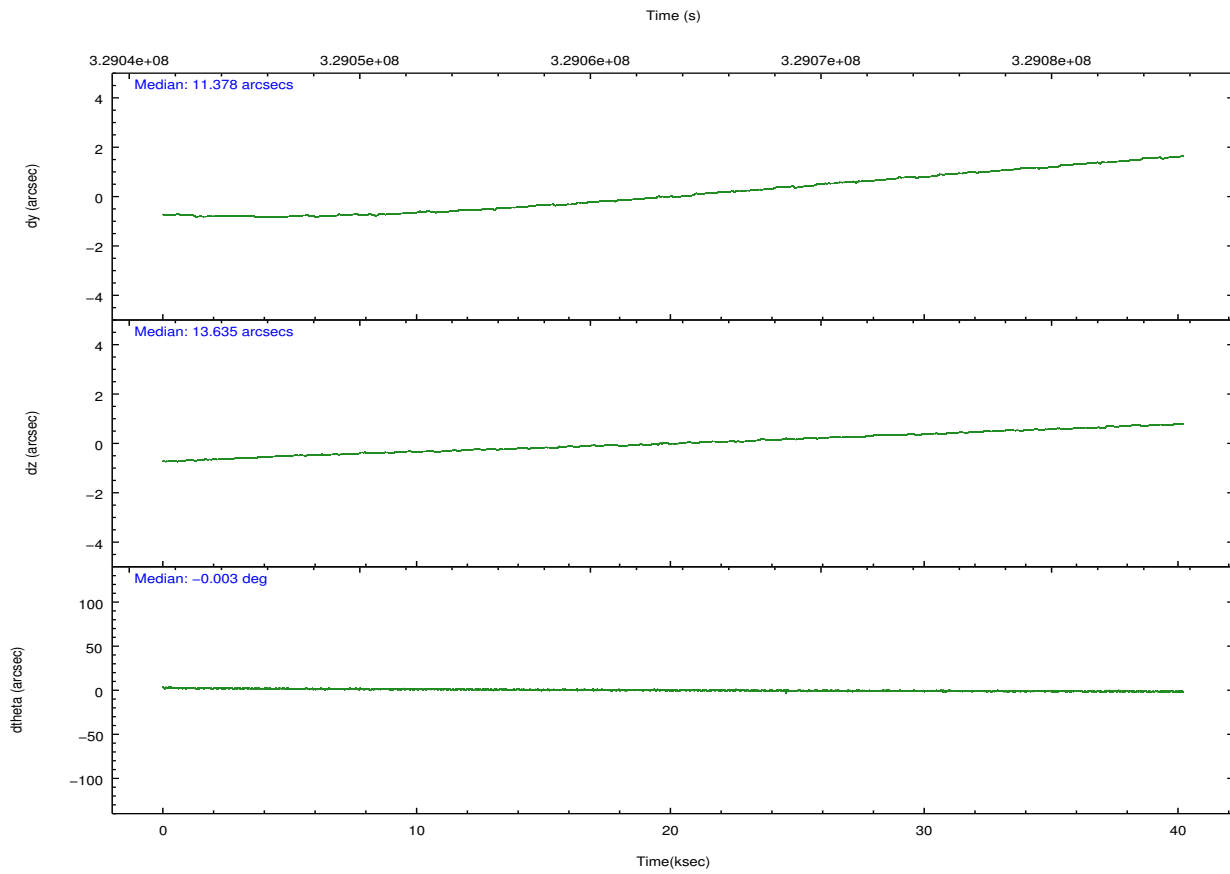
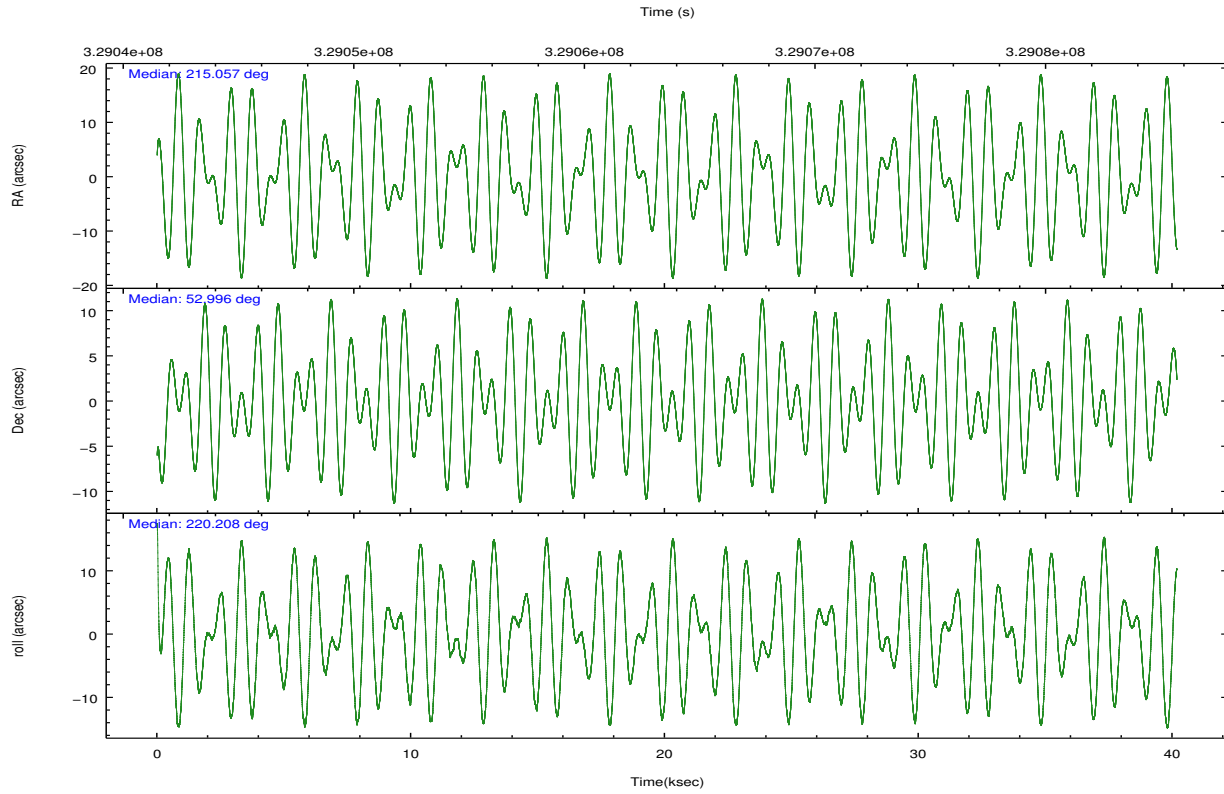
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11709	13432	11073	11498	11057
	3%	4%	3%	3%	3%
grade 1 events	192	169	180	186	170
	0%	0%	0%	0%	0%
grade 2 events	7995	8271	7800	6991	7374
	2%	2%	2%	2%	2%
grade 3 events	3627	4005	3303	3499	3576
	1%	1%	0%	1%	1%
grade 4 events	3405	3869	3535	3467	3583
	1%	1%	1%	1%	1%
grade 5 events	11706	12684	10759	13222	12934
	3%	4%	3%	4%	3%
grade 6 events	6174	7224	5929	6353	7109
	2%	2%	1%	1%	2%
grade 7 events	254354	252995	294738	274384	278614
	85%	83%	87%	85%	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	215.072665	215.0573687005808	CCD I2 on	Y	Y
[deg] Pointing Dec	53.021792	52.99587427152721	CCD I3 on	Y	Y
[deg] Pointing Roll	219.993539	220.2144528926529	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)	329043684.184000	329042704.10981	Subarray requested	NONE	NONE
Observation start date	2008-06-05T09:00:19	2008-06-05T08:45:04	Alternating exposures requested	N	N
[s] Observation end time (MET)	329083684.184000	329084384.19934	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-06-05T20:06:59	2008-06-05T20:19:44			
Read mode	TIMED	TIMED			

2.3 Aspect



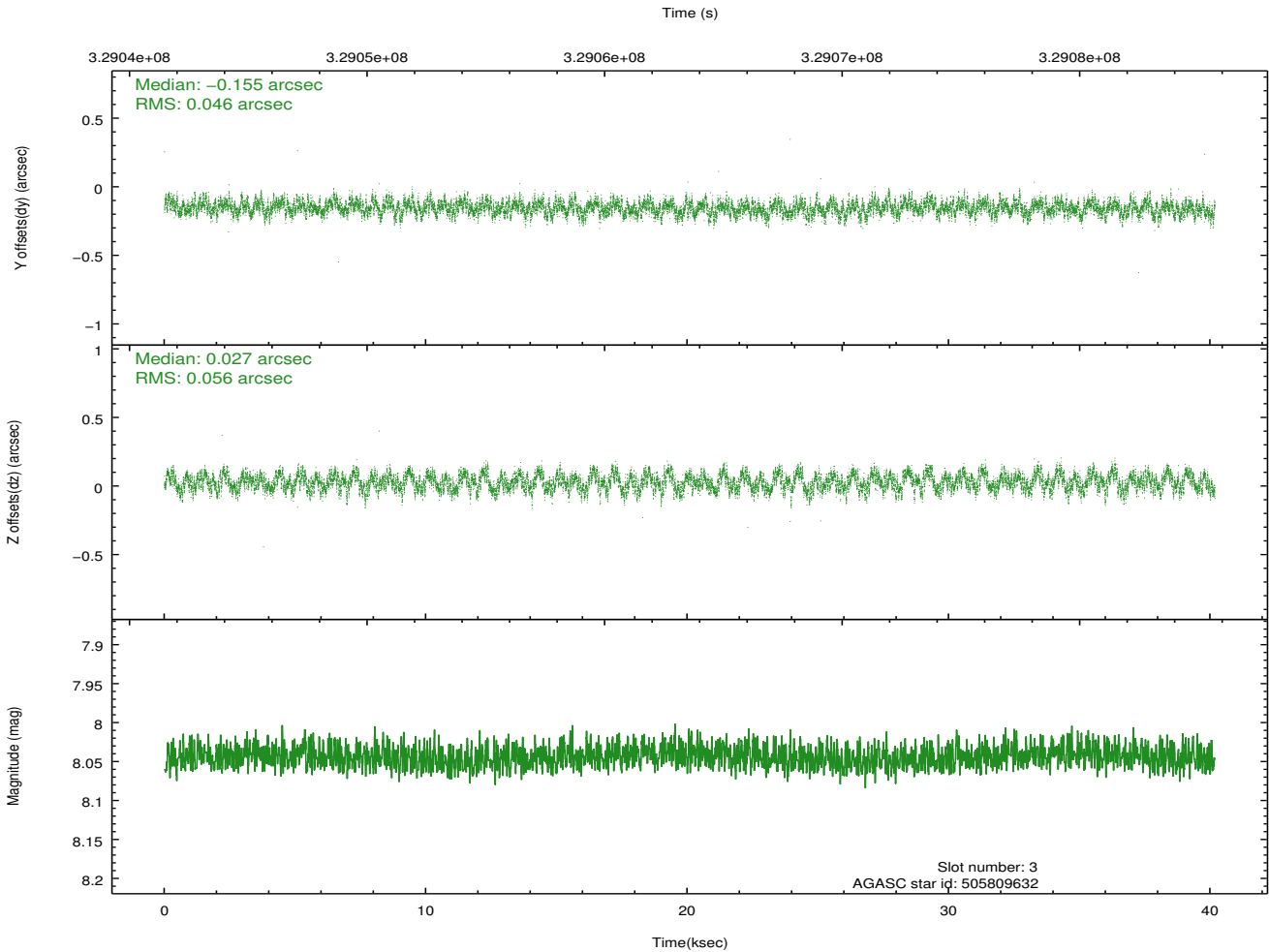
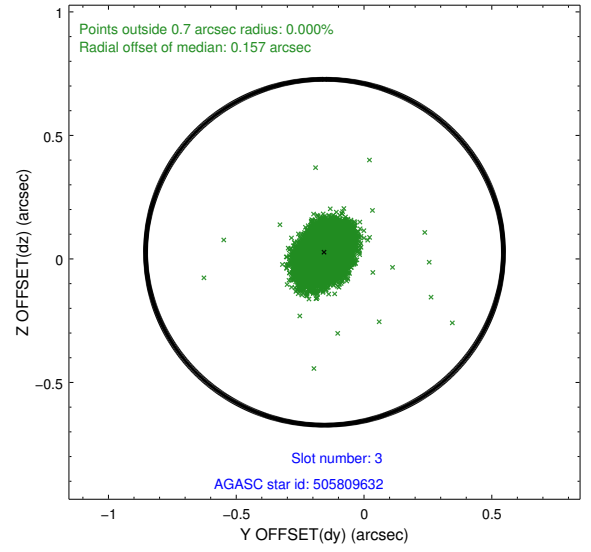
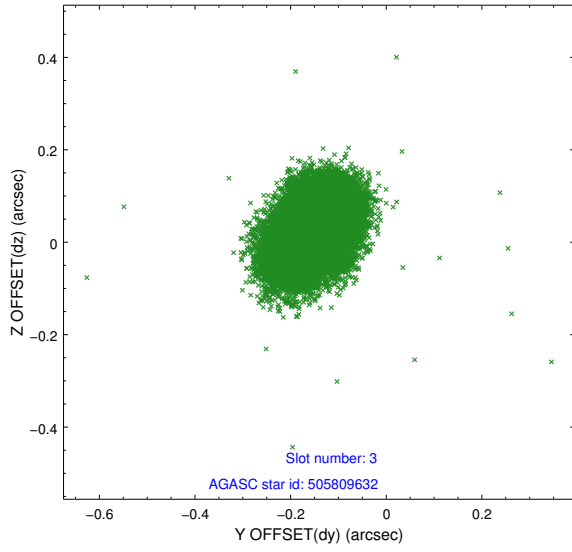


Slot Statistics

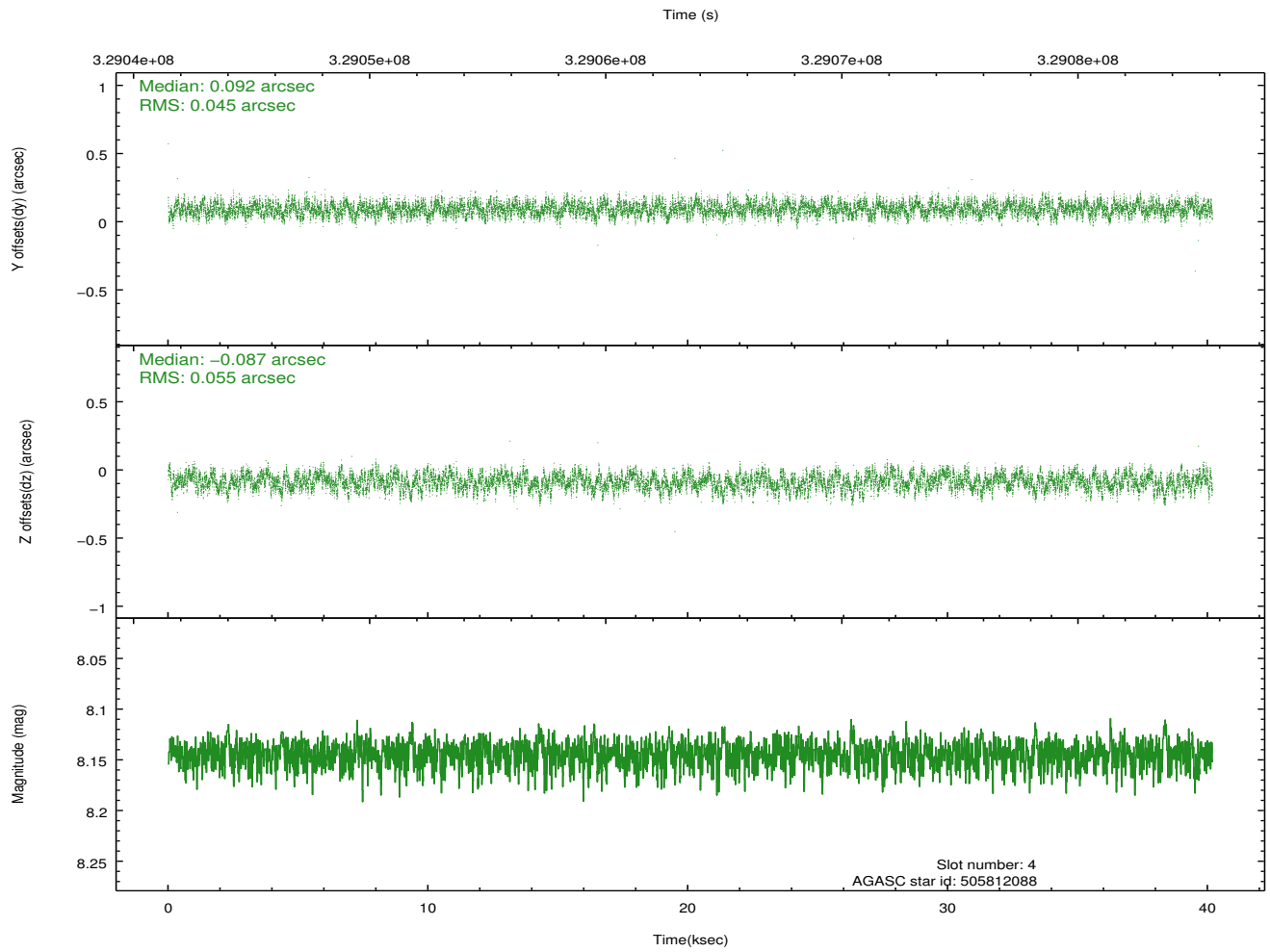
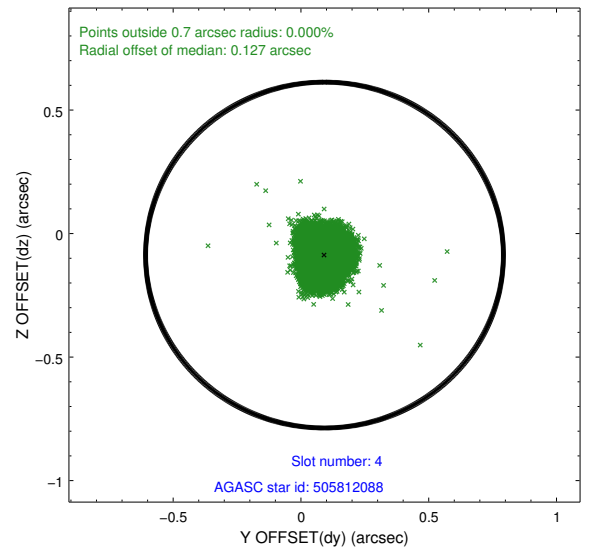
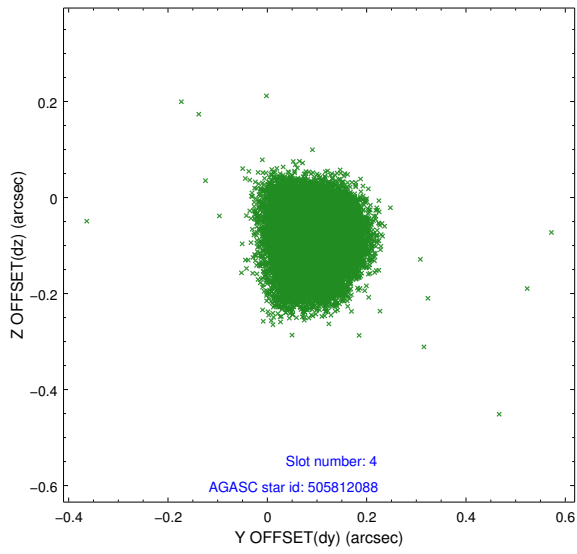
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	9801	0.007	0.039	0.017	0.031	0.000000	0.000000	928.06	-837.17
1	FID	ACIS-I-5	7.00	9801	-0.165	0.033	0.020	0.029	0.000000	0.000000	-1820.23	1060.28
2	FID	ACIS-I-6	7.00	9801	0.062	-0.004	0.012	0.028	0.000000	0.000000	393.62	1704.78
3	GUIDE	505809632	8.04	19595	-0.155	0.027	0.079	0.122	215.499426	53.521185	-1856.81	-792.46
4	GUIDE	505812088	8.14	19593	0.092	-0.087	0.076	0.120	214.186617	53.263562	895.16	-1901.96
5	GUIDE	505812376	7.69	19601	0.114	-0.144	0.073	0.109	214.039537	52.937930	1901.43	-1221.60
6	GUIDE	505815928	8.32	19590	-0.142	0.044	0.062	0.100	216.234742	53.074559	-2060.59	1454.03
7	GUIDE	455871352	8.10	19597	0.092	0.160	0.065	0.105	215.099961	52.172669	1918.51	2381.25

2.4 Star Slots

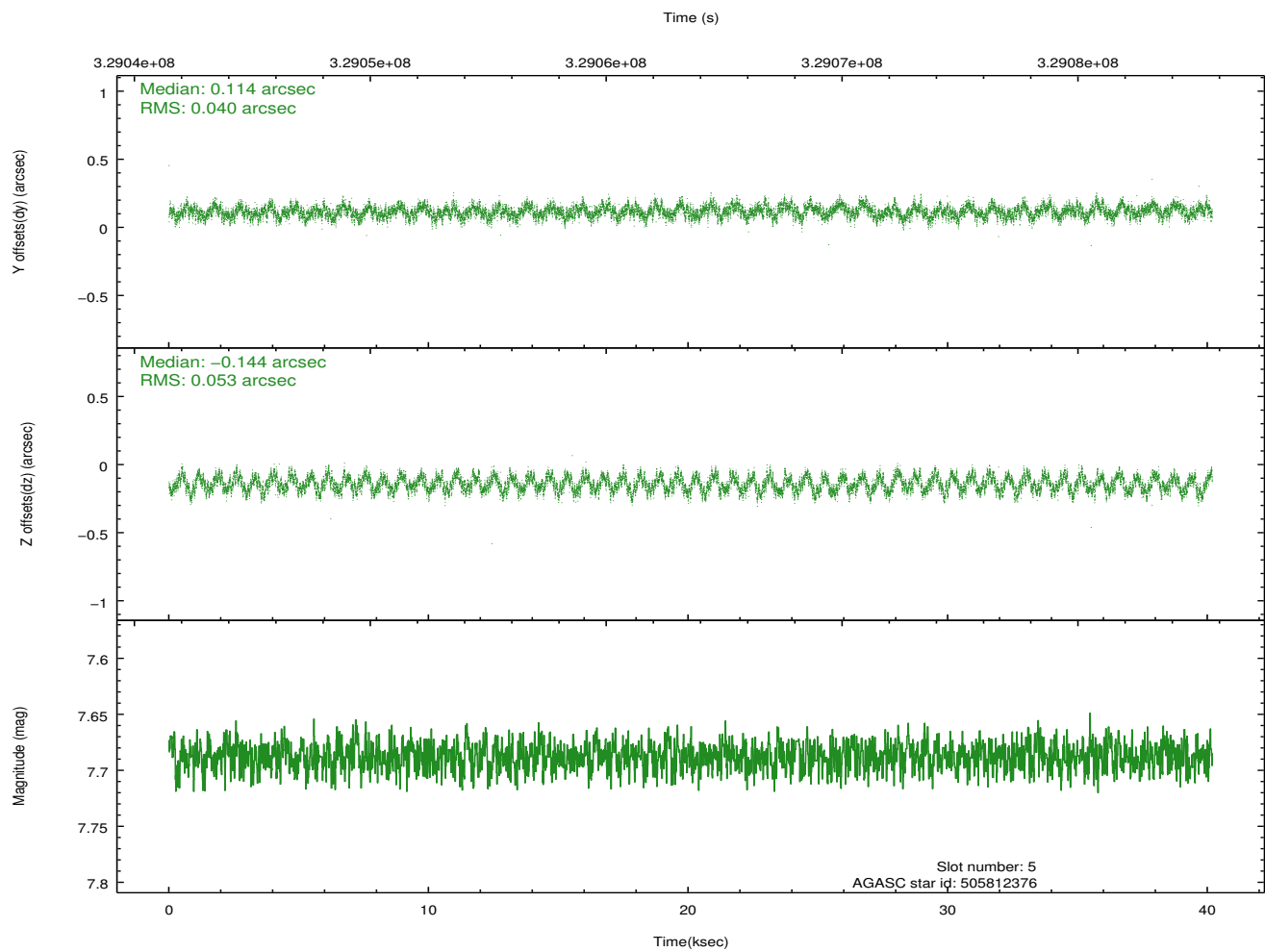
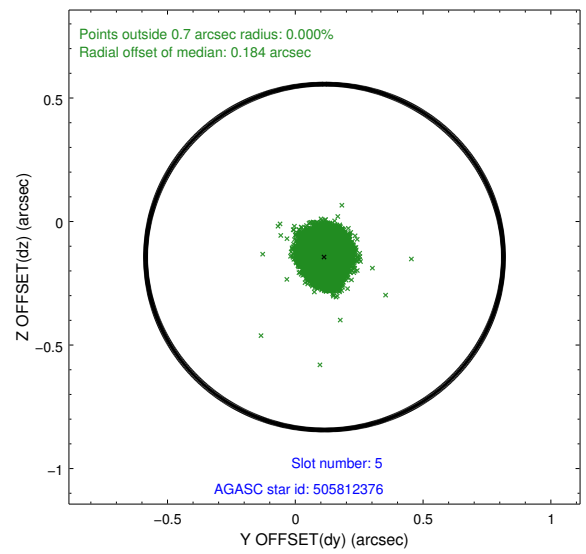
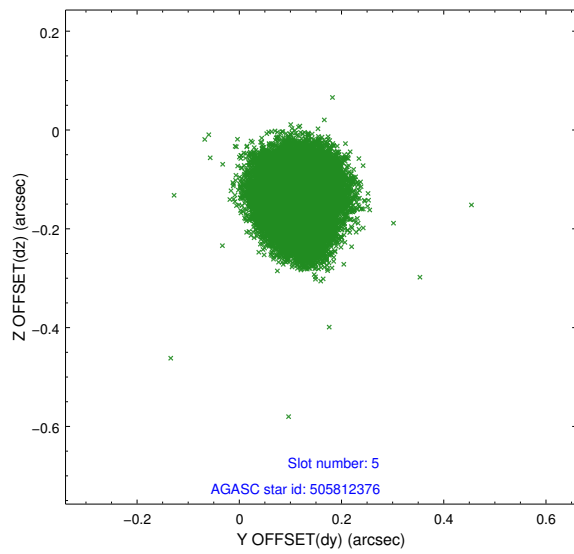
2.4.1 Slot 3



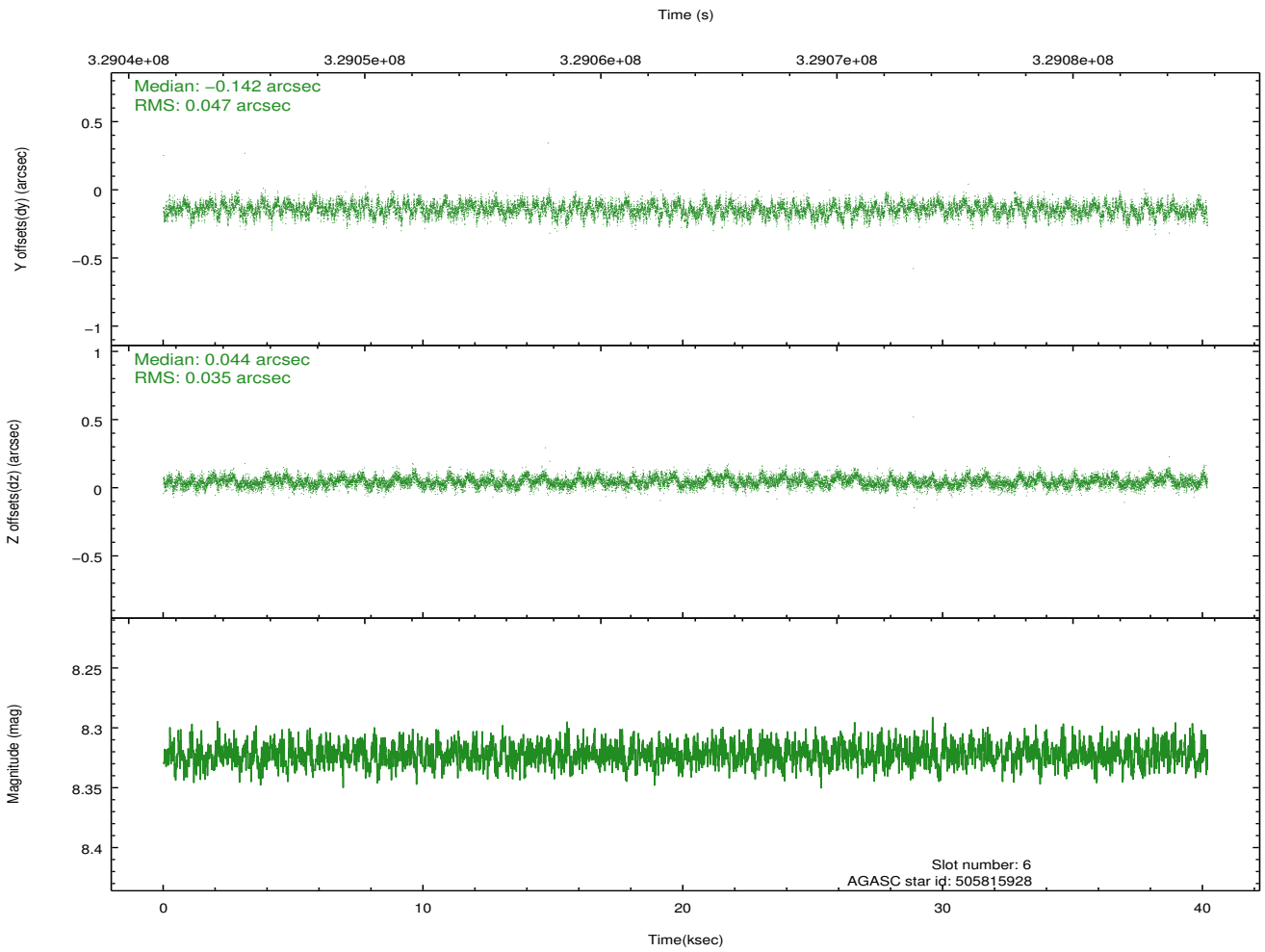
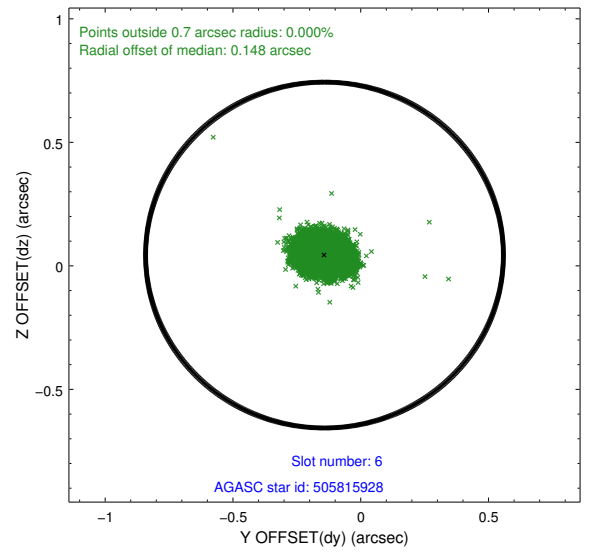
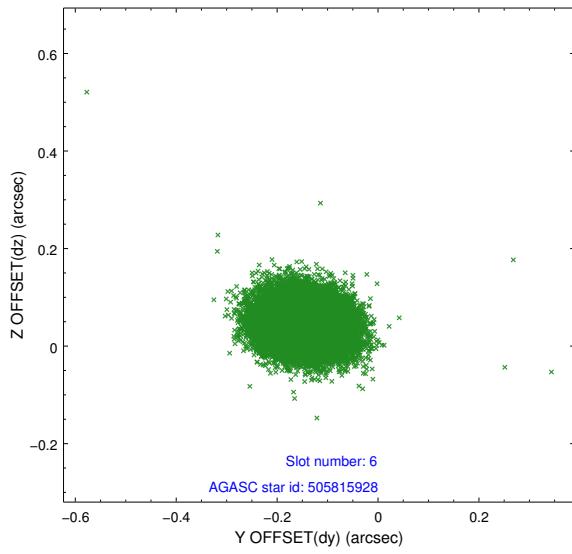
2.4.2 Slot 4



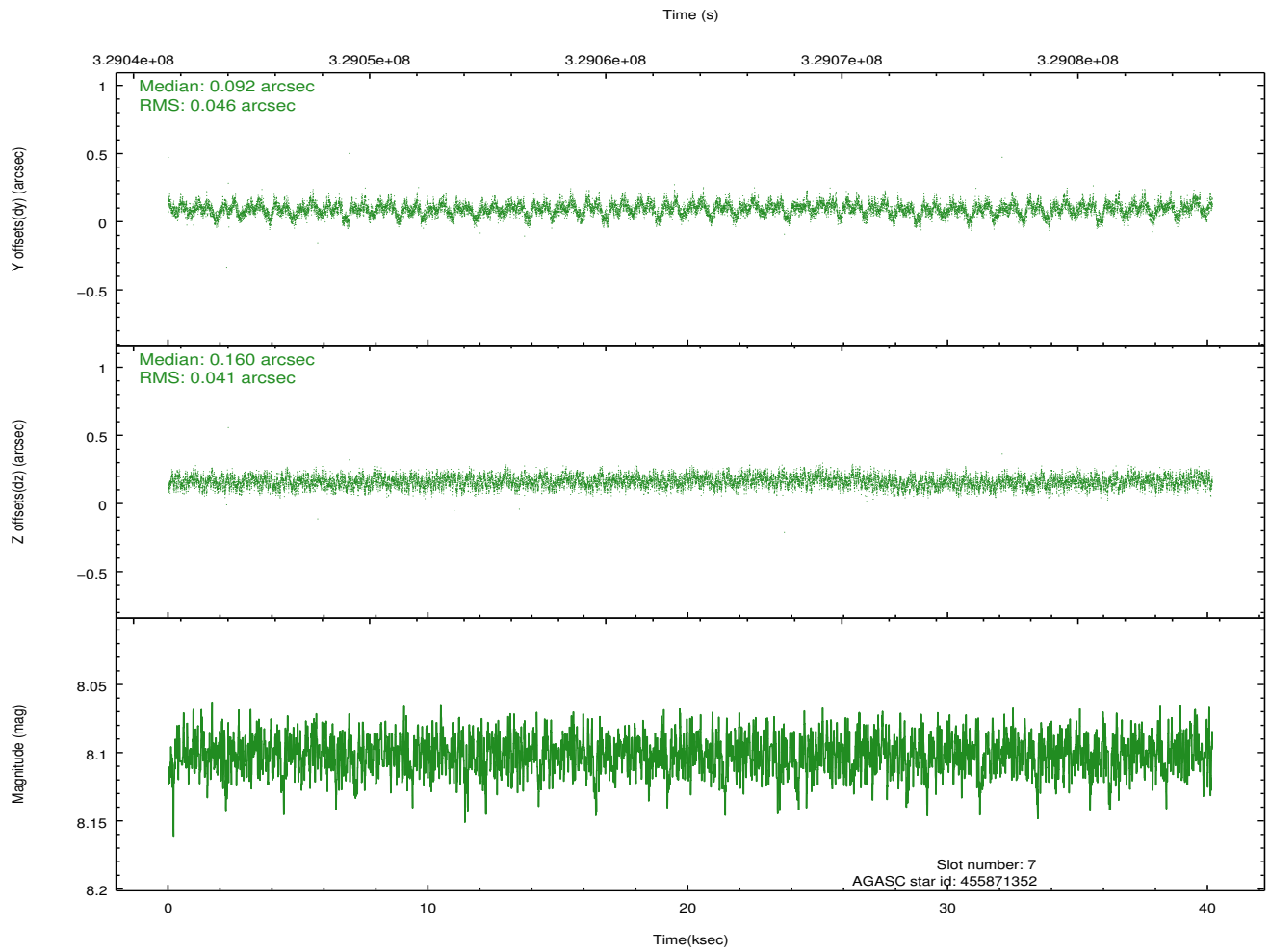
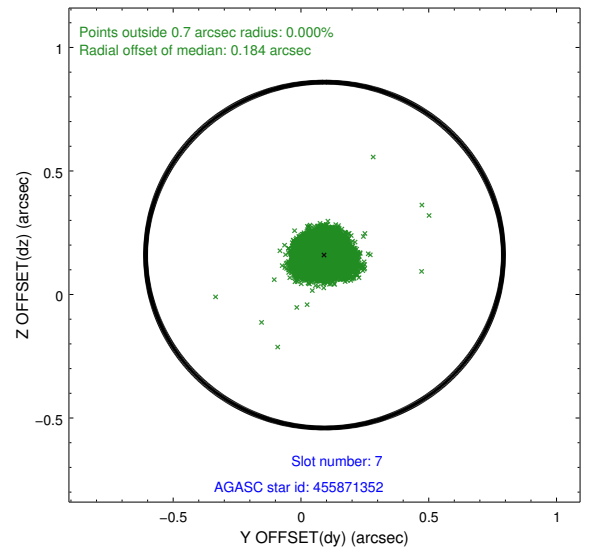
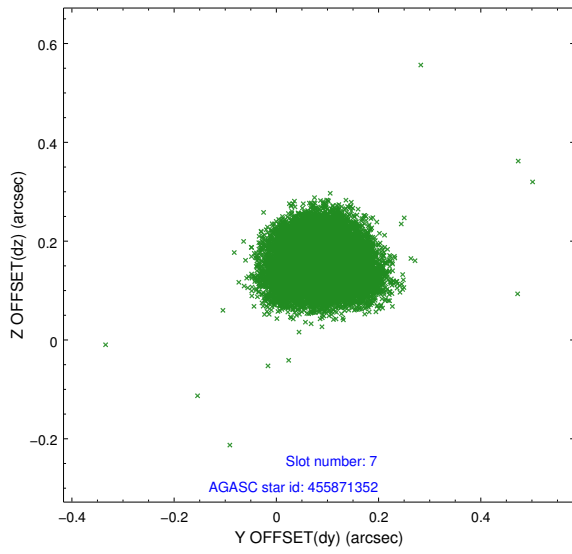
2.4.3 Slot 5



2.4.4 Slot 6

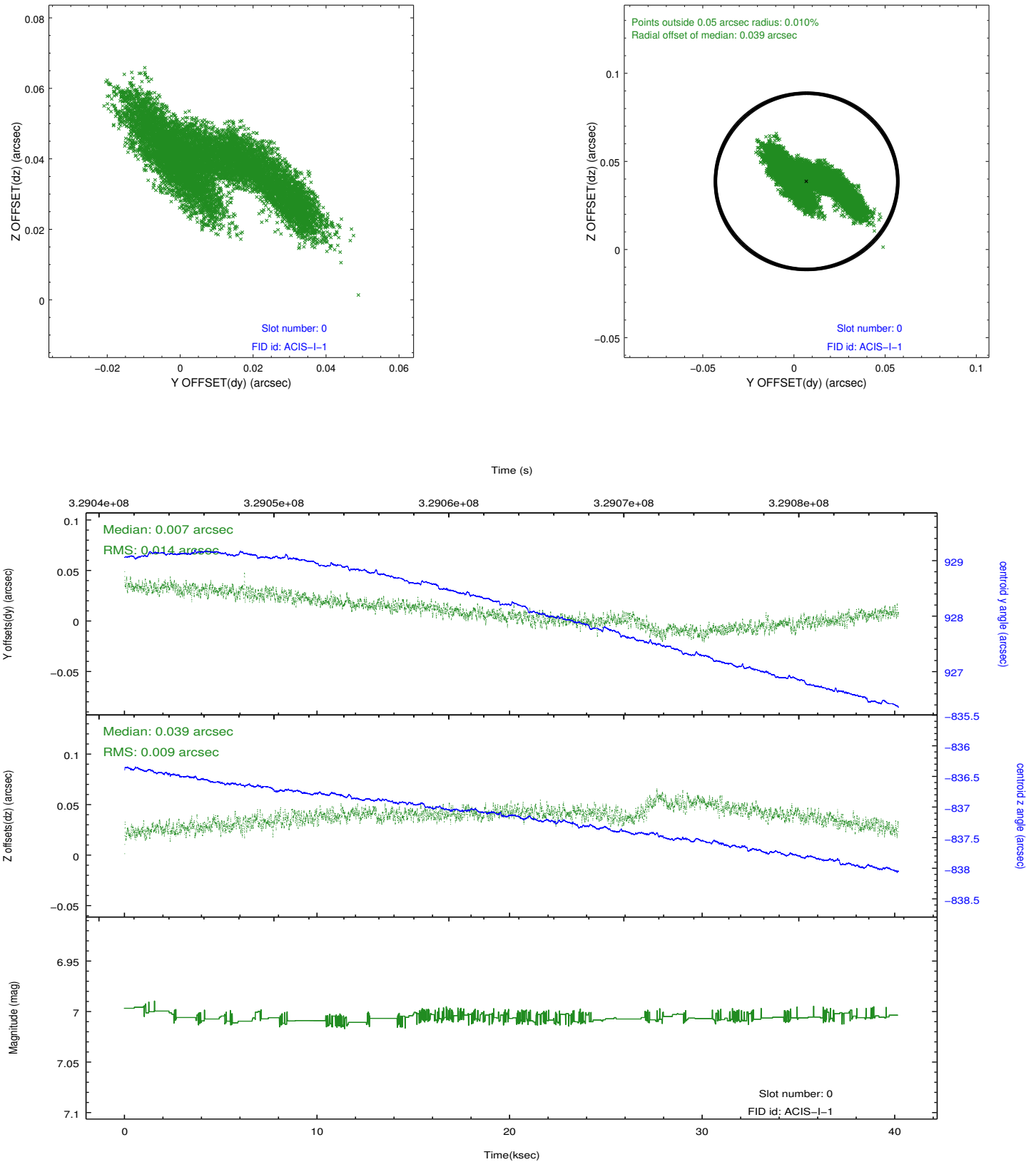


2.4.5 Slot 7

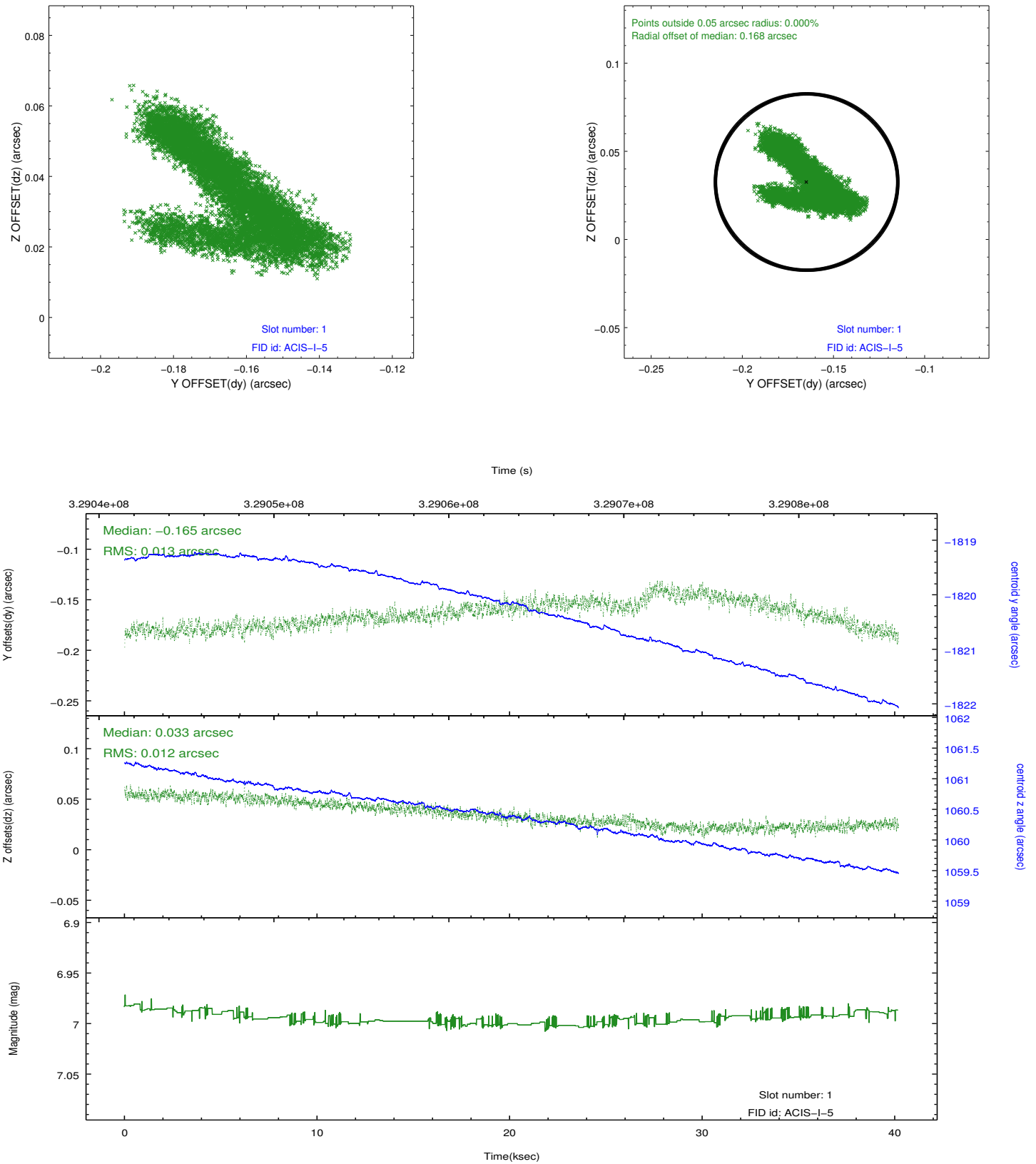


2.5 FID Slots

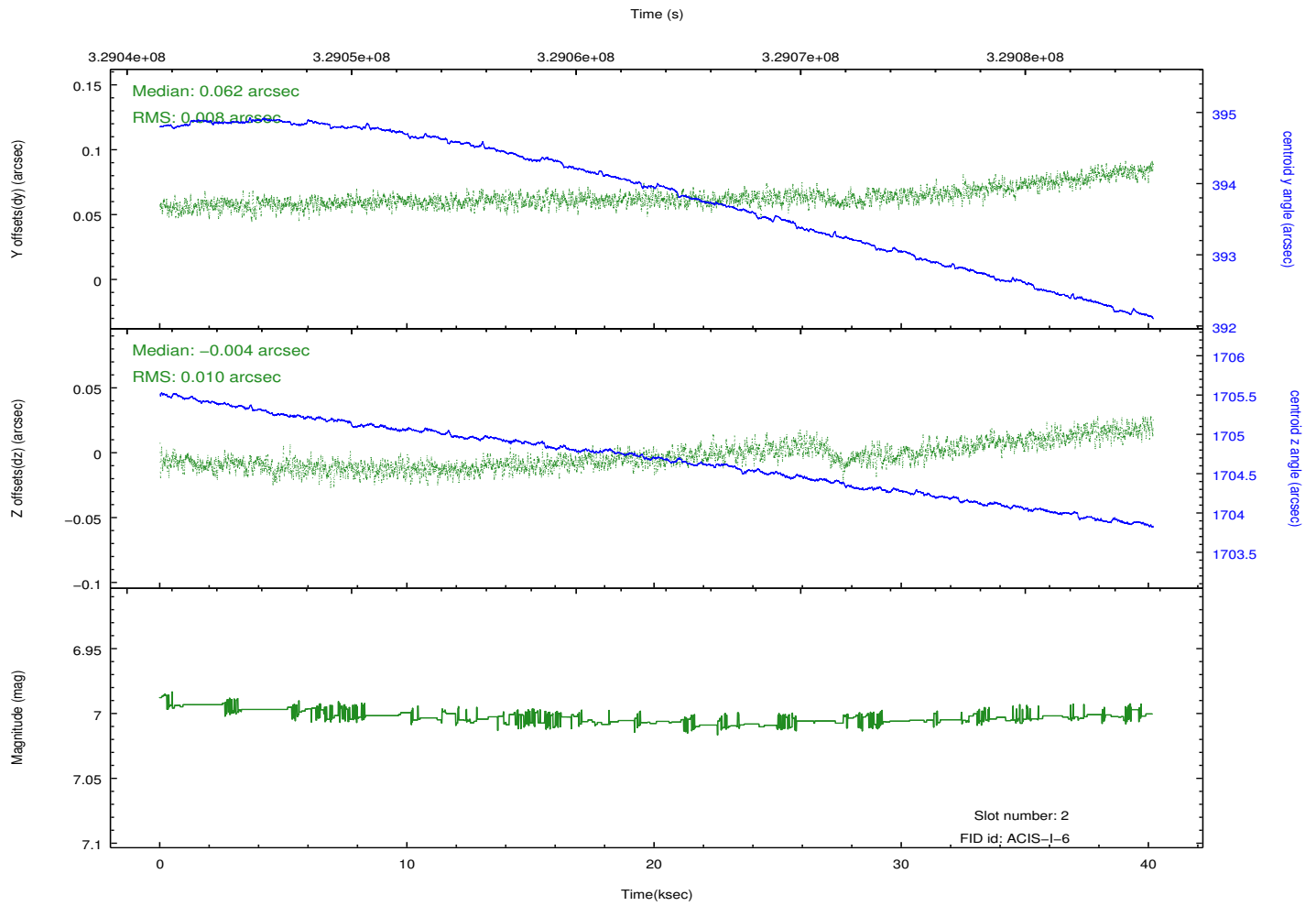
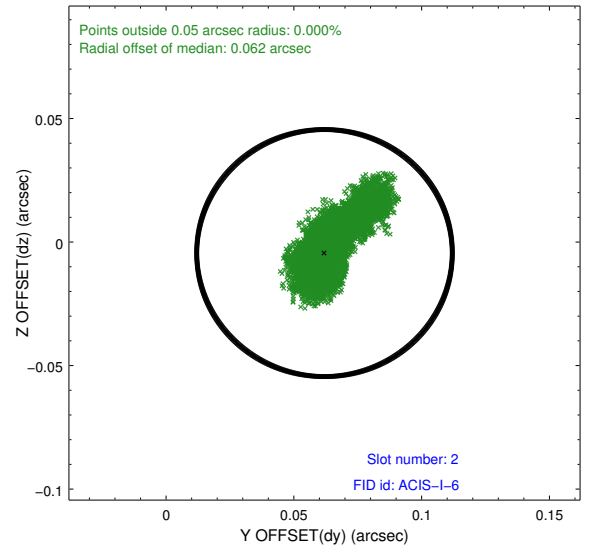
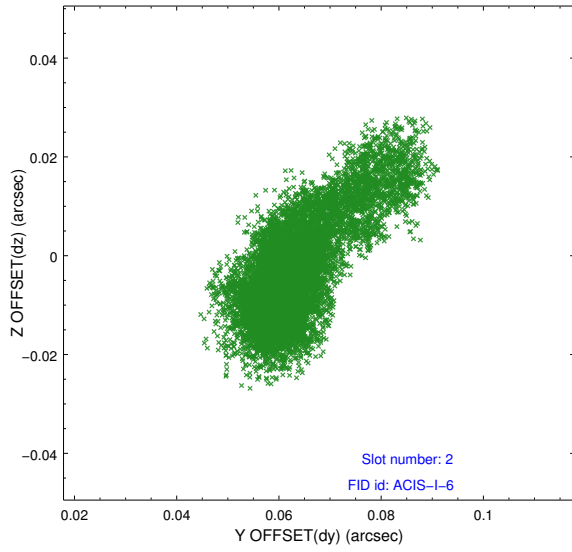
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.1449593

A.2 Comments

Joint proposal with Spitzer. Roll constraint met.