

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9873 - L2 Version 2
Chandra X-Ray Center

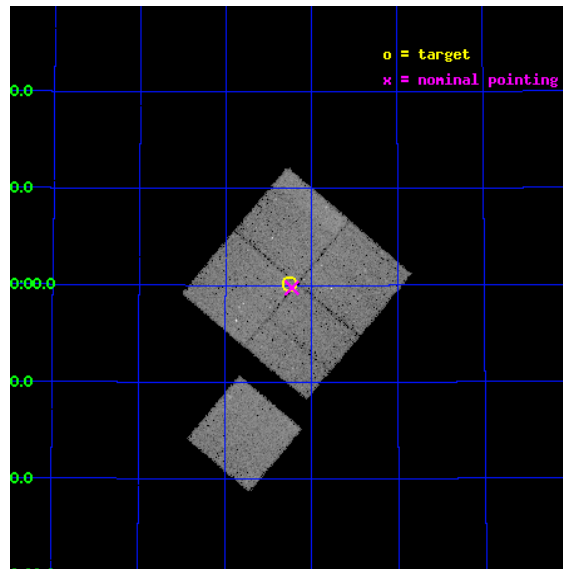
L2 Processing Date : May 16 2012

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1 Front

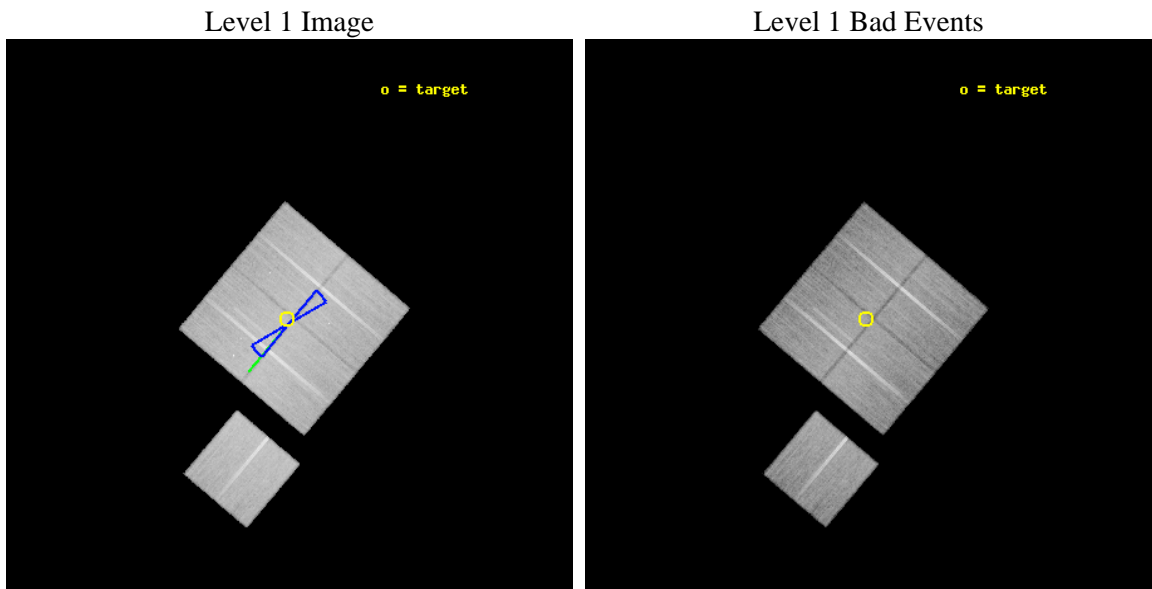
seq_num	900796	Sequence number
obs_id	9873	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.05737390327	Nominal RA [deg]
dec_nom	52.995877176868	Nominal Dec [deg]
roll_nom	220.21445169124	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31157.936338544	Sum of GTIs [s]
livetime	30750.834962142	Livetime [s]
ontime0	31170.50023973	Sum of GTIs [s]
ontime1	31164.218279123	Sum of GTIs [s]
ontime2	31167.359249532	Sum of GTIs [s]
ontime3	31157.936338544	Sum of GTIs [s]
ontime6	31167.359249473	Sum of GTIs [s]
l2events	107723	Number of level 2 events



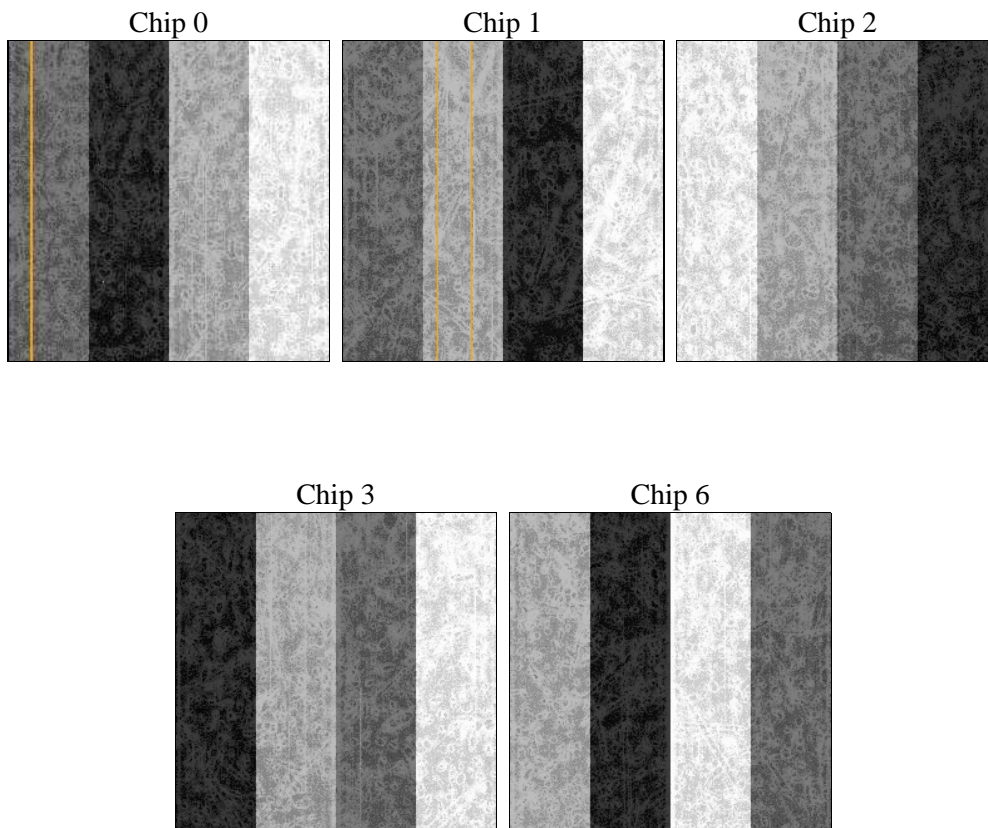
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	31157.936338544	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	31170.50023973	Sum of GTIs [s]
date	2012-05-16T15:03:54	Date and time of file creation	ontime1	31164.218279123	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	31167.359249532	Sum of GTIs [s]
			ontime3	31157.936338544	Sum of GTIs [s]
			ontime6	31167.359249473	Sum of GTIs [s]
			l1events	1226429	Number of level 1 events

2.1.4 Events

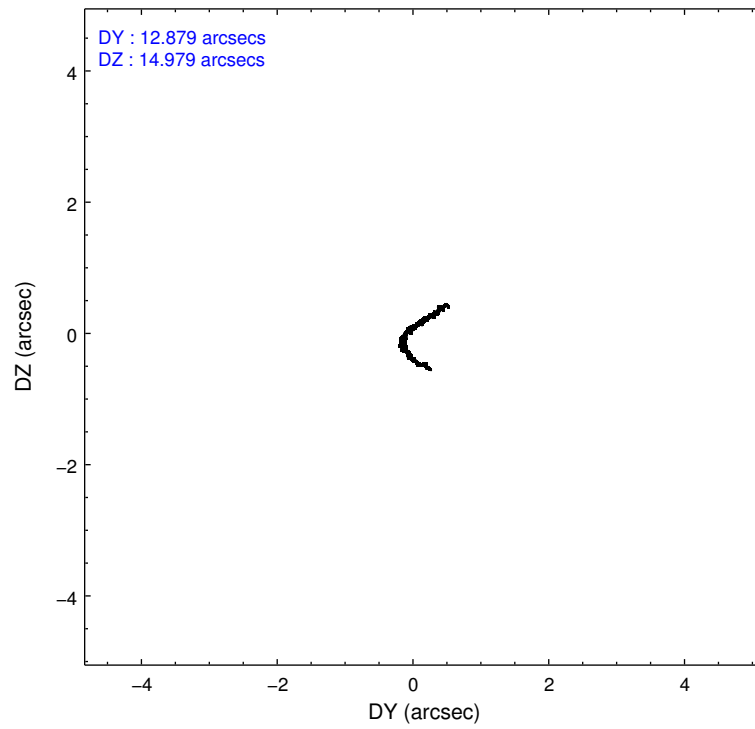
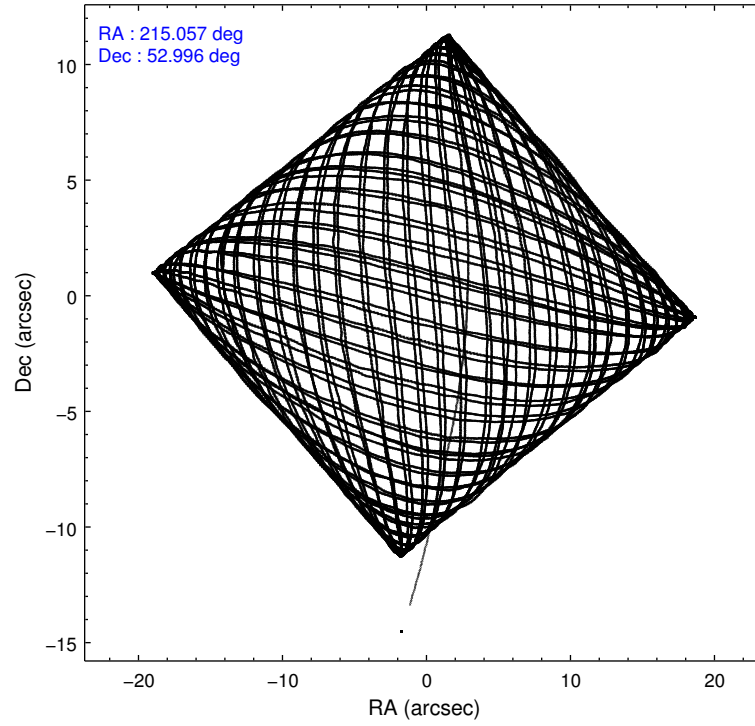
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	233487	235989	255242	251139	250572
rejected events	207662	207206	230664	226270	224962
rejected %	88%	87%	90%	90%	89%

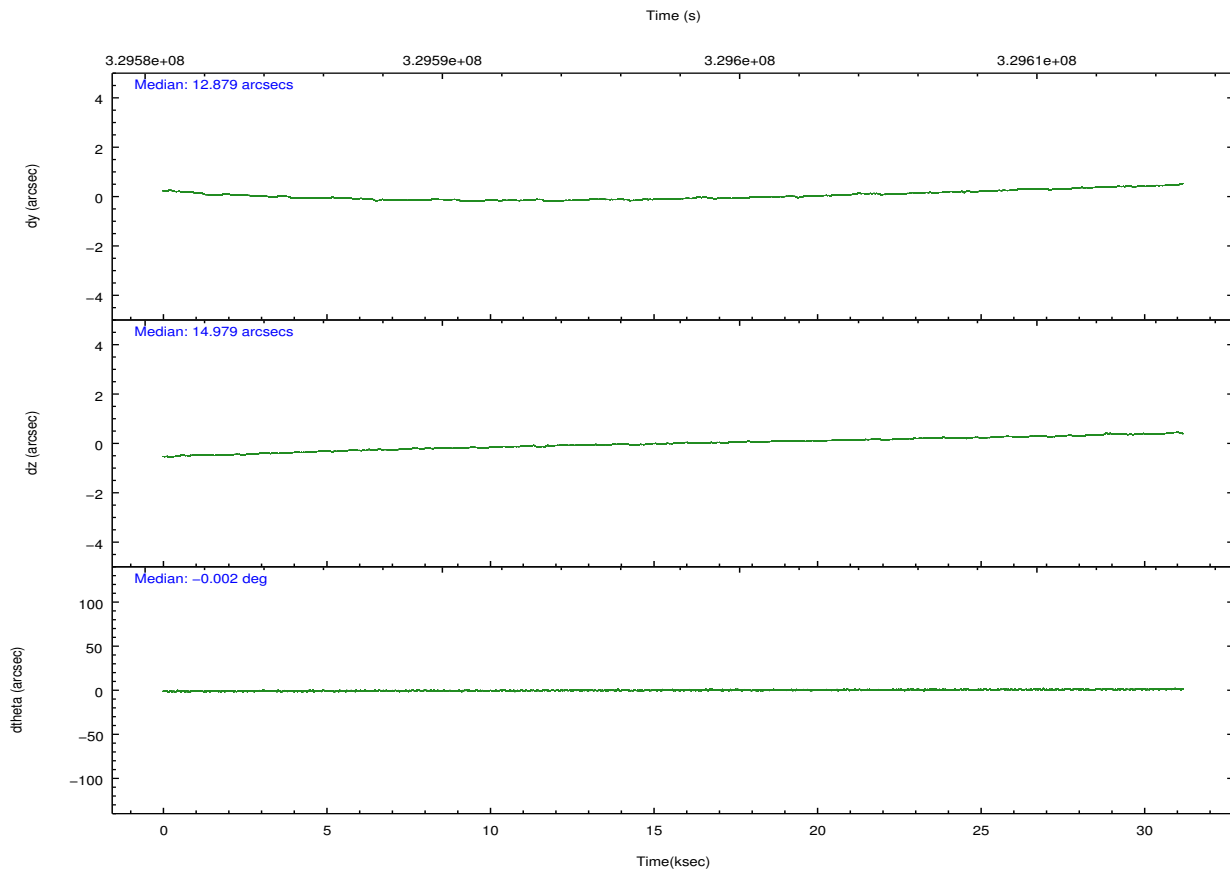
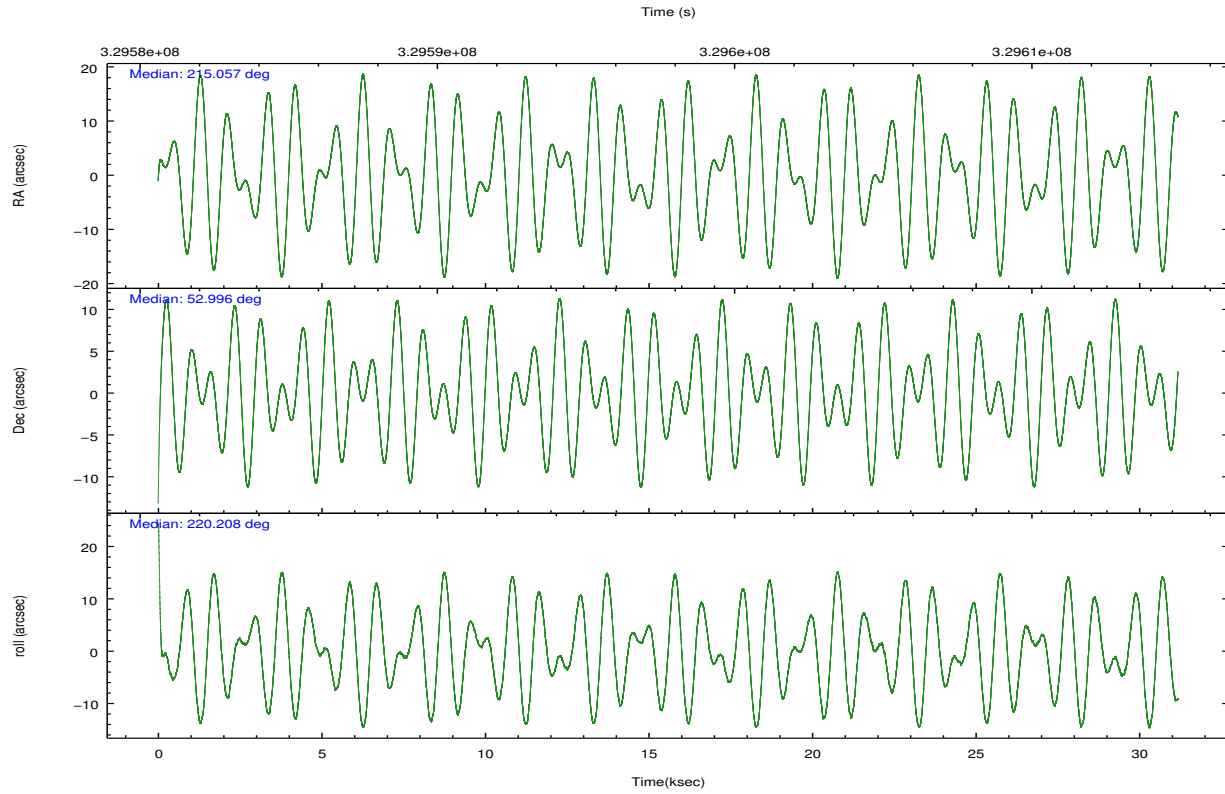
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9044	10346	8735	9175	8781
	3%	4%	3%	3%	3%
grade 1 events	143	109	124	151	128
	0%	0%	0%	0%	0%
grade 2 events	6219	6584	5910	5385	5750
	2%	2%	2%	2%	2%
grade 3 events	2899	2907	2610	2725	2834
	1%	1%	1%	1%	1%
grade 4 events	2727	3064	2764	2811	2760
	1%	1%	1%	1%	1%
grade 5 events	8806	10183	8549	10413	10099
	3%	4%	3%	4%	4%
grade 6 events	4978	5914	4594	4822	5529
	2%	2%	1%	1%	2%
grade 7 events	198671	196882	221956	215657	214691
	85%	83%	86%	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	215.0573739032707	CCD I2 on	Y	Y
[deg] Pointing Dec	53.021792	52.99587717686793	CCD I3 on	Y	Y
[deg] Pointing Roll	219.993539	220.2144516912427	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)	329582345.184000	329581326.77363	Subarray requested	NONE	NONE
Observation start date	2008-06-11T14:38:00	2008-06-11T14:22:06	Alternating exposures requested	N	N
[s] Observation end time (MET)	329613345.184000	329614267.71274	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-06-11T23:14:40	2008-06-11T23:31:07			
Read mode	TIMED	TIMED			

2.3 Aspect



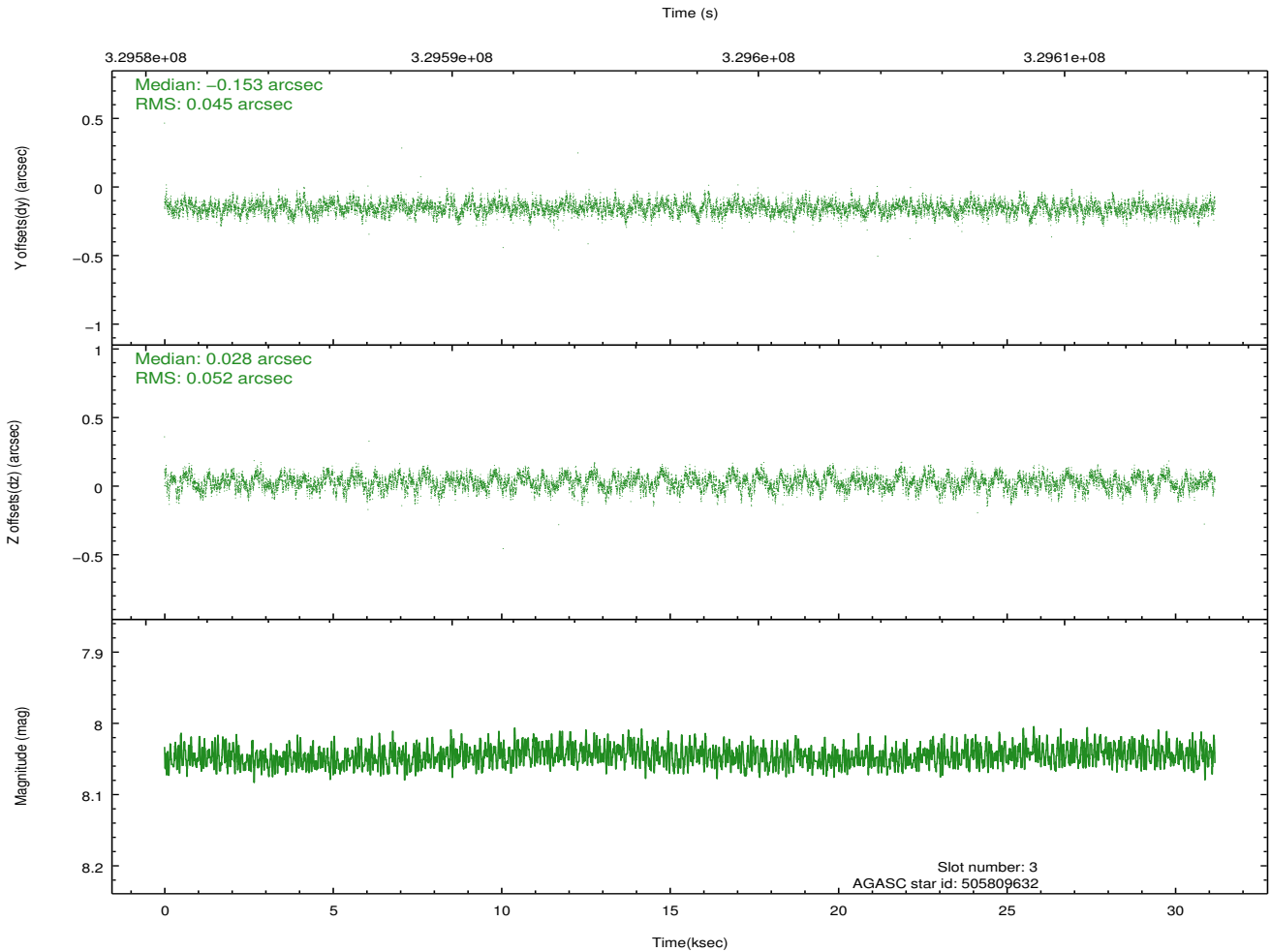
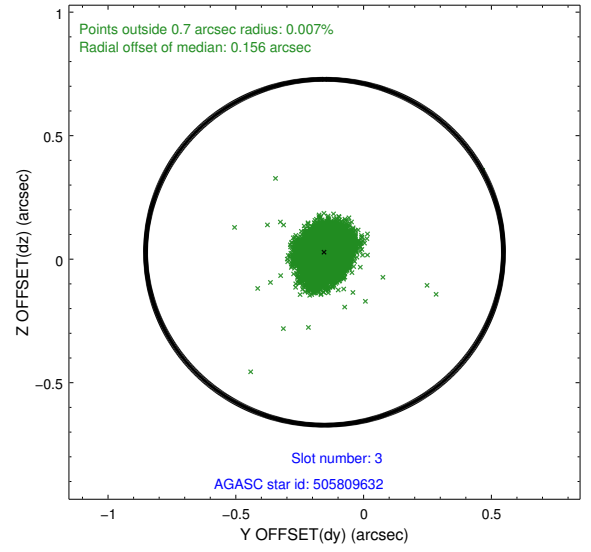
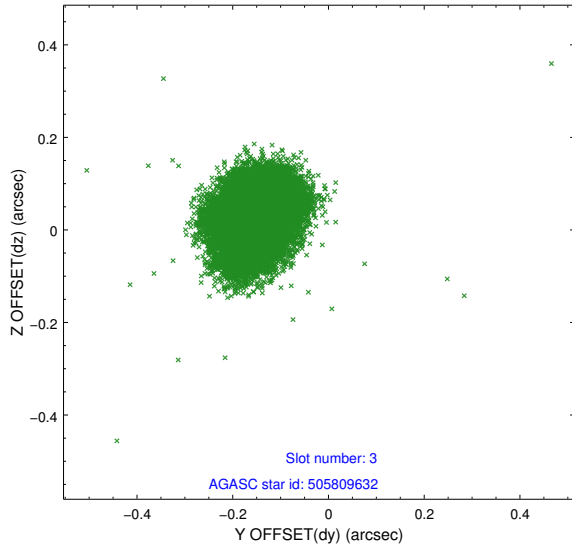


Slot Statistics

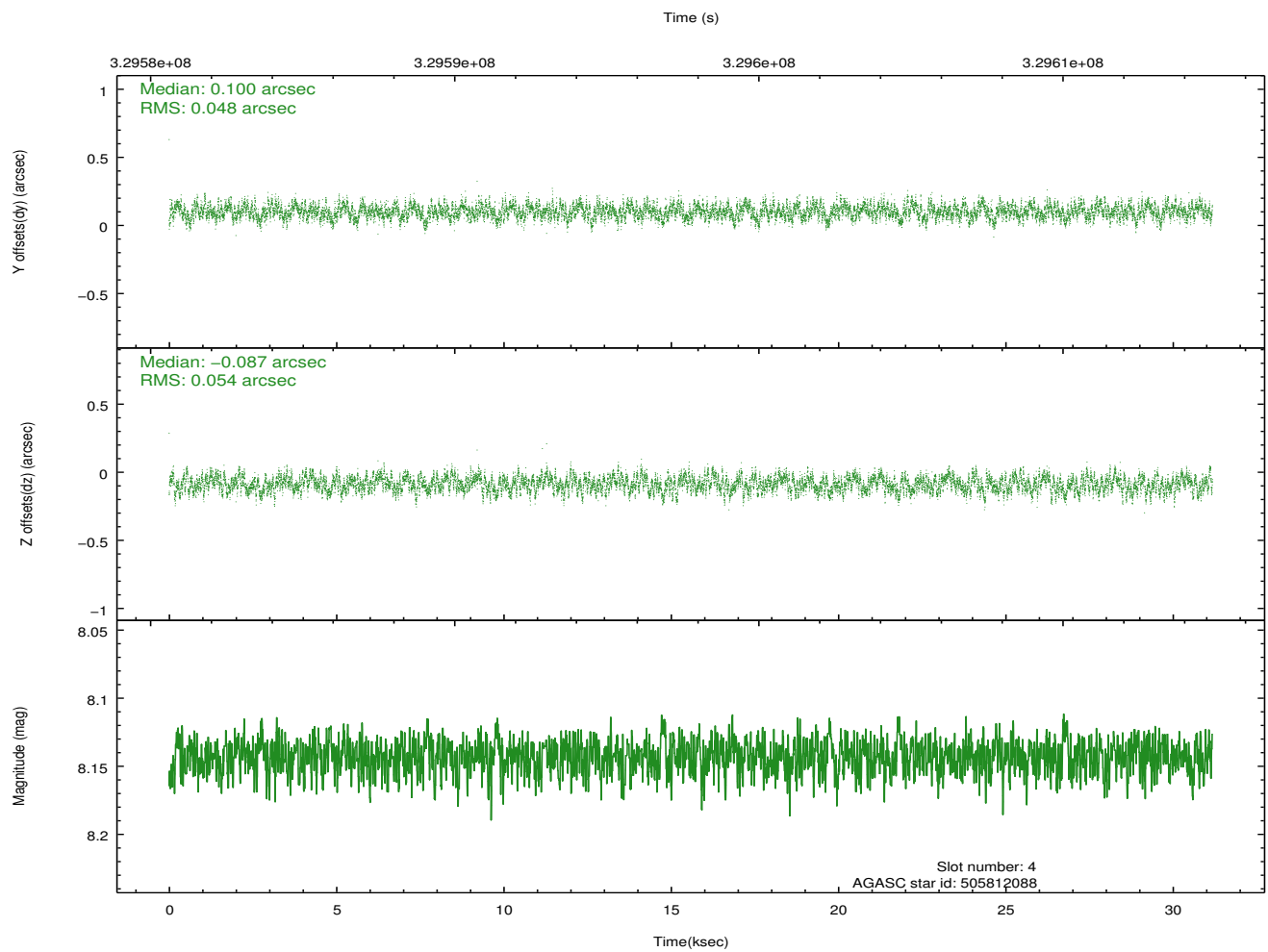
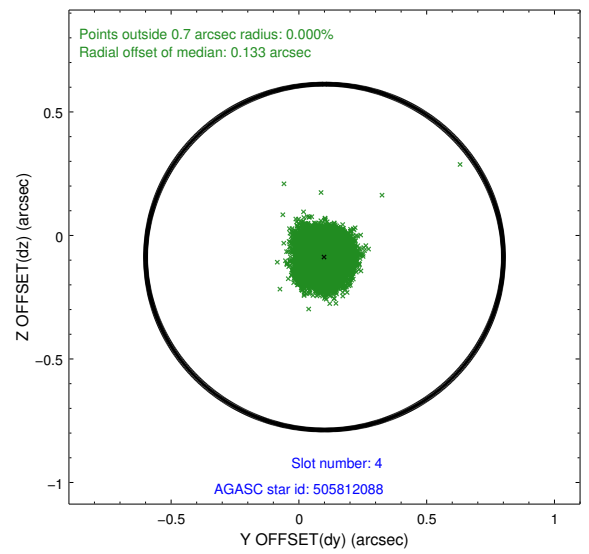
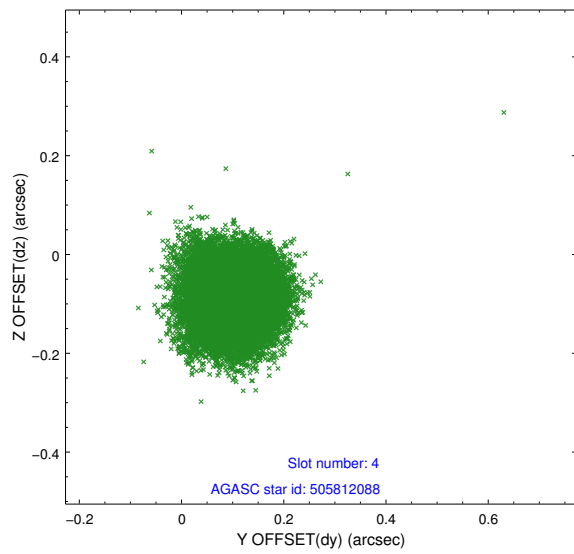
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	7605	0.006	0.019	0.016	0.031	0.000000	0.000000	926.60	-838.54
1	FID	ACIS-I-5	6.99	7605	-0.180	0.022	0.011	0.022	0.000000	0.000000	-1821.68	1058.90
2	FID	ACIS-I-6	7.00	7605	0.083	0.030	0.012	0.019	0.000000	0.000000	392.13	1703.51
3	GUIDE	505809632	8.05	15205	-0.153	0.028	0.073	0.115	215.499426	53.521185	-1856.79	-792.45
4	GUIDE	505812088	8.14	15207	0.100	-0.087	0.078	0.121	214.186617	53.263562	895.16	-1901.96
5	GUIDE	505812376	7.67	15209	0.106	-0.139	0.092	0.142	214.039537	52.937930	1901.46	-1221.62
6	GUIDE	505815928	8.32	15202	-0.154	0.050	0.057	0.094	216.234742	53.074559	-2060.56	1454.03
7	GUIDE	455871352	8.10	15206	0.097	0.154	0.065	0.104	215.099961	52.172669	1918.51	2381.28

2.4 Star Slots

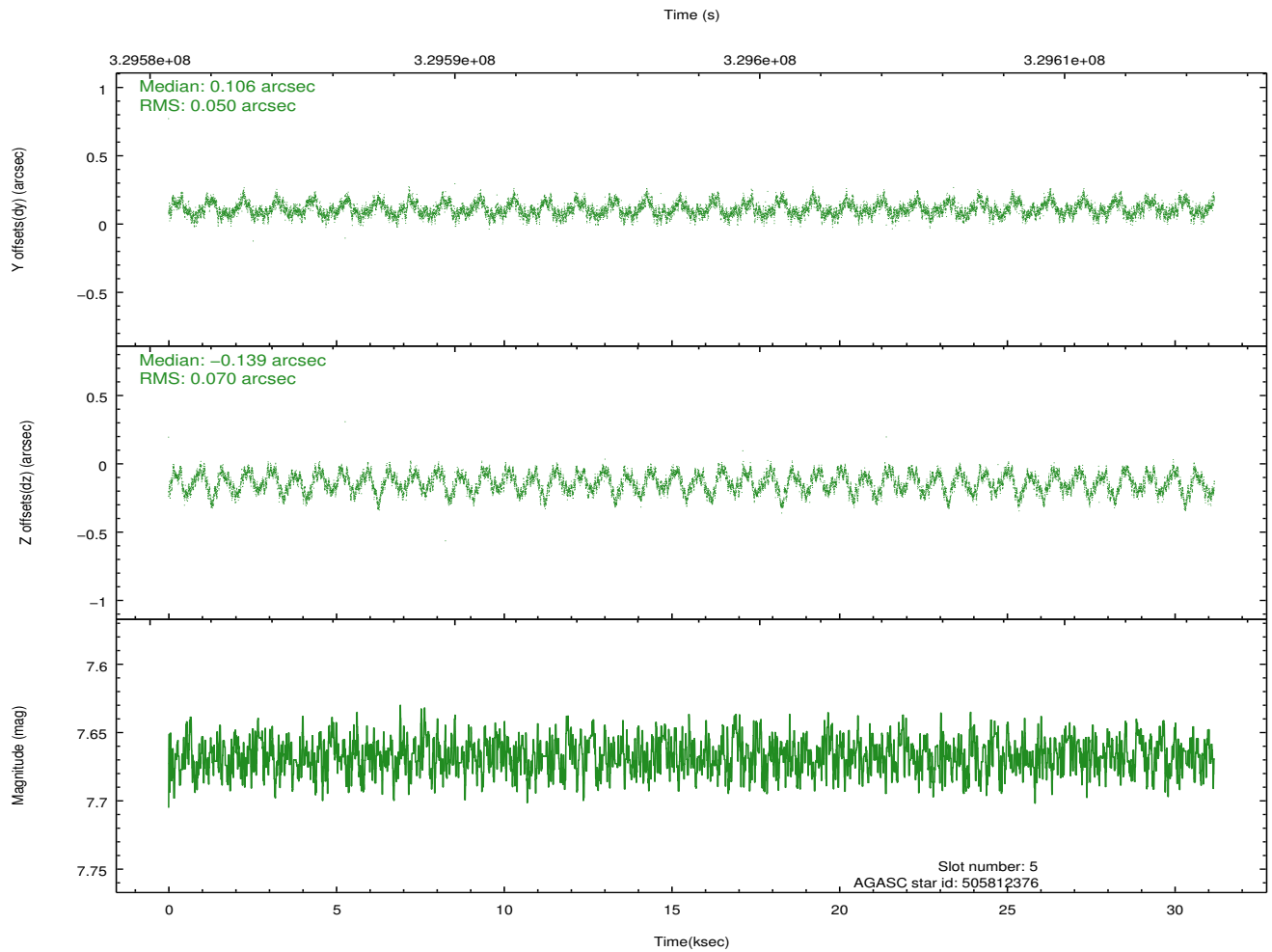
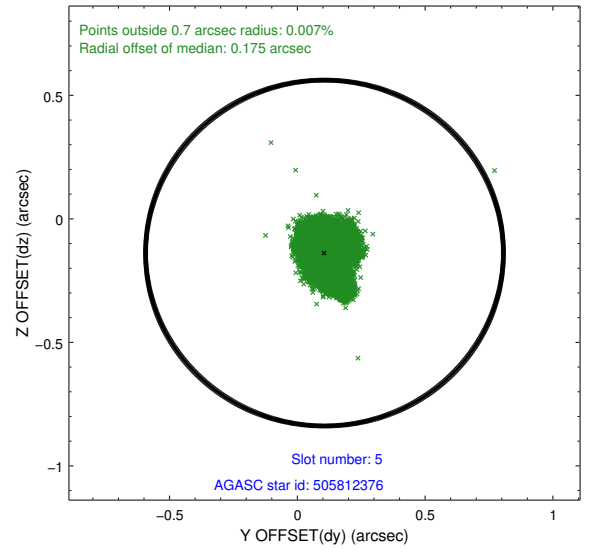
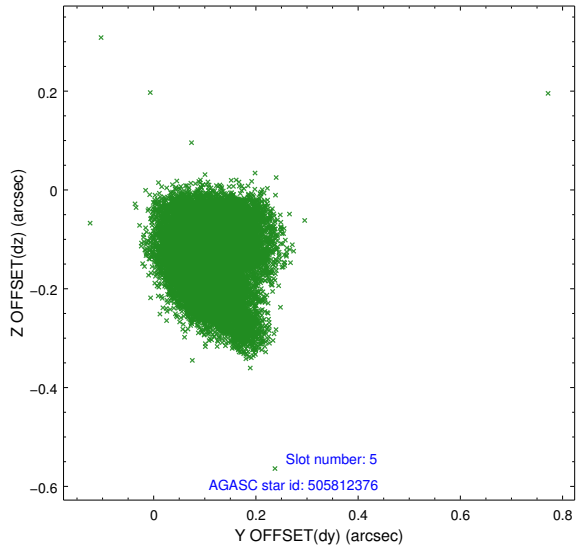
2.4.1 Slot 3



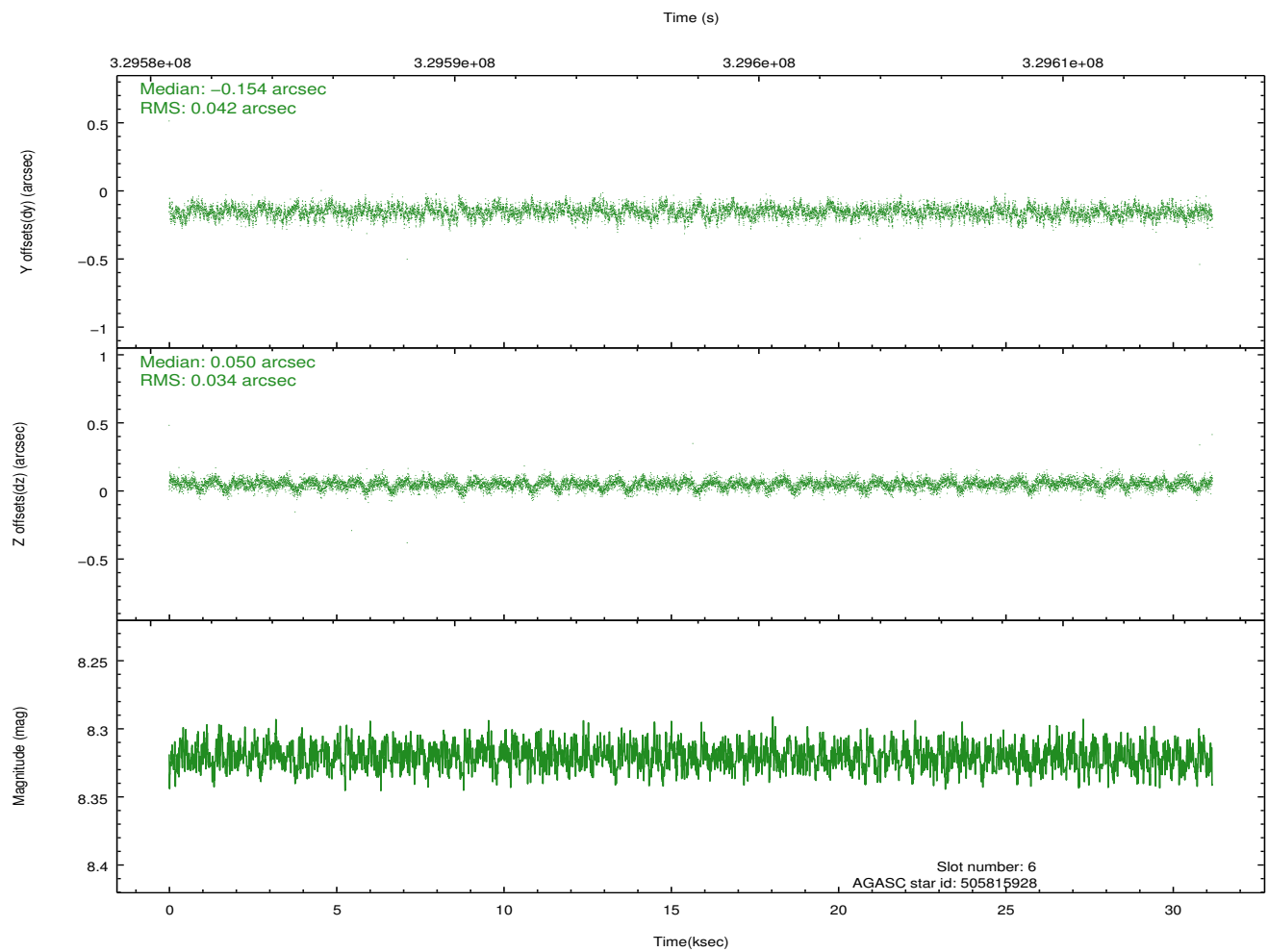
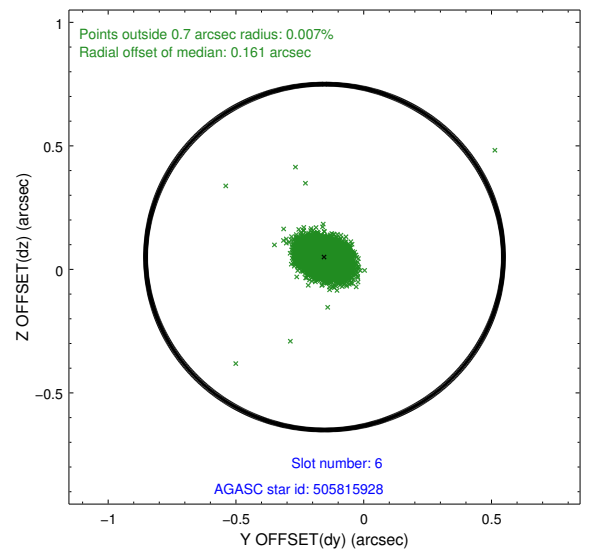
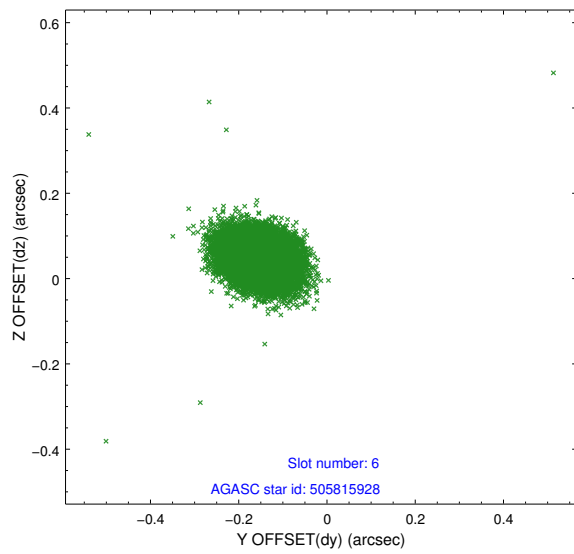
2.4.2 Slot 4



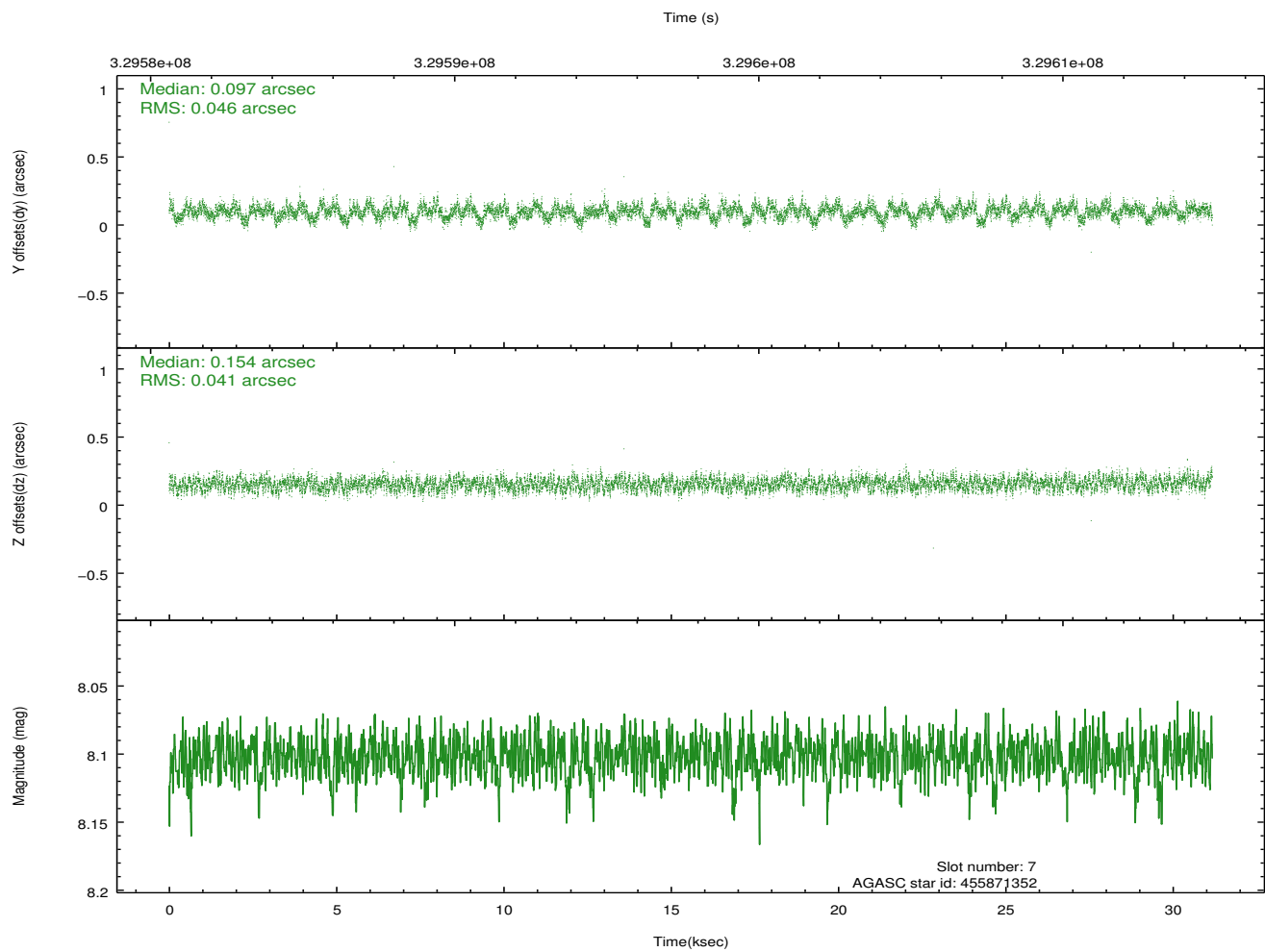
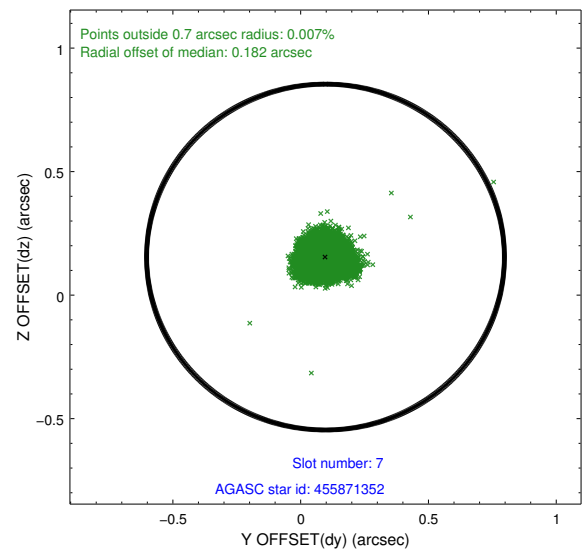
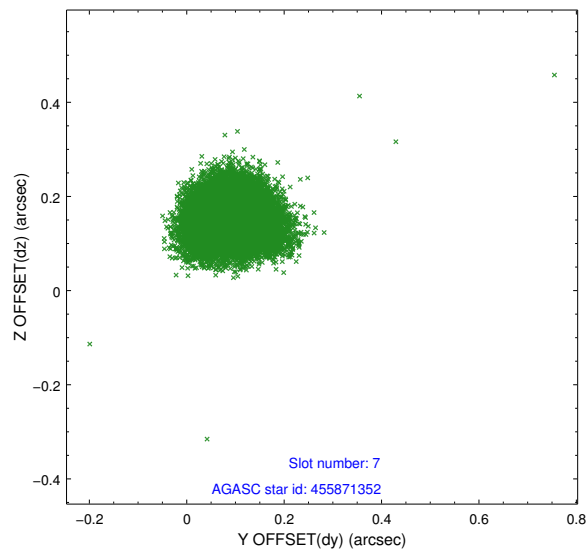
2.4.3 Slot 5



2.4.4 Slot 6

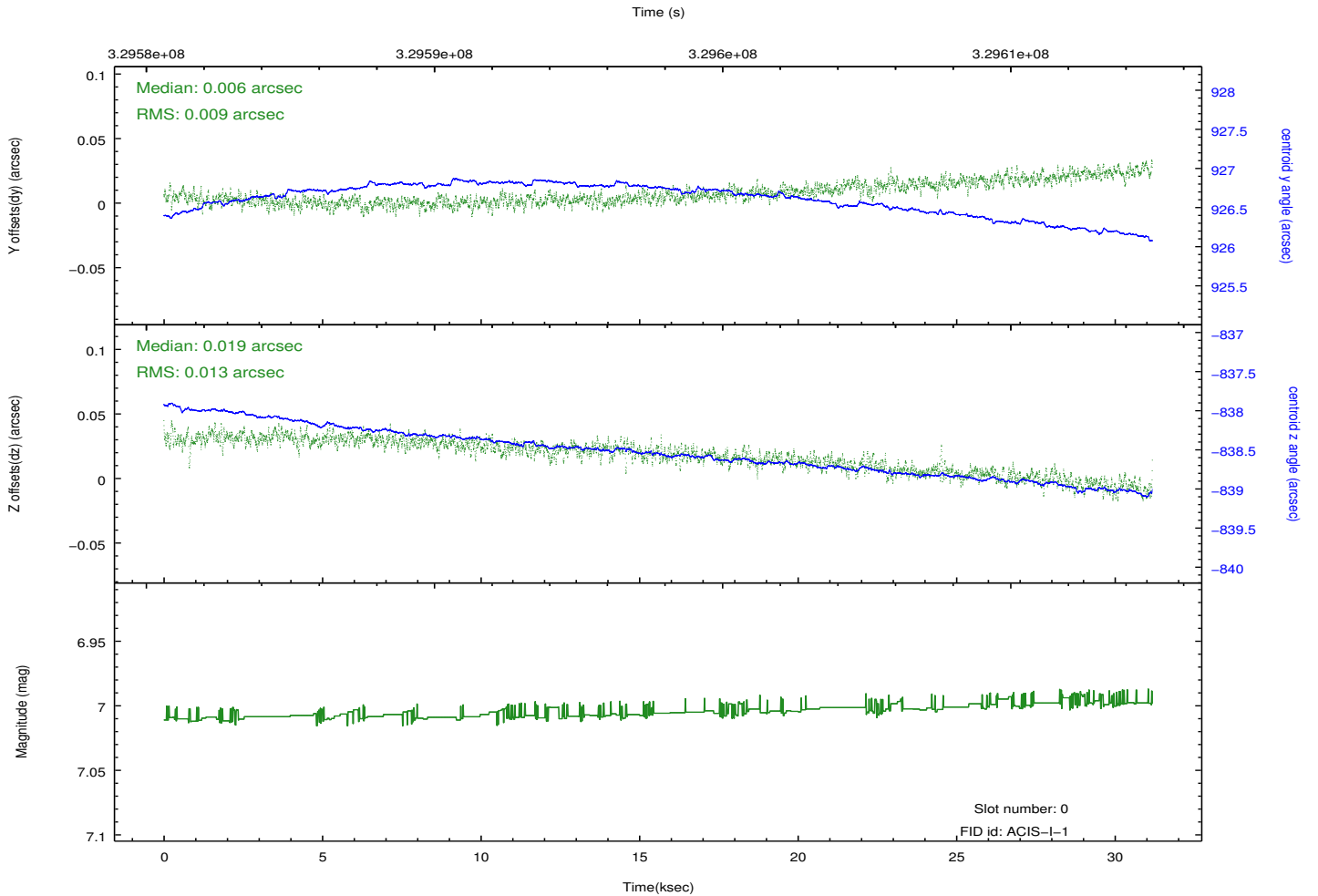
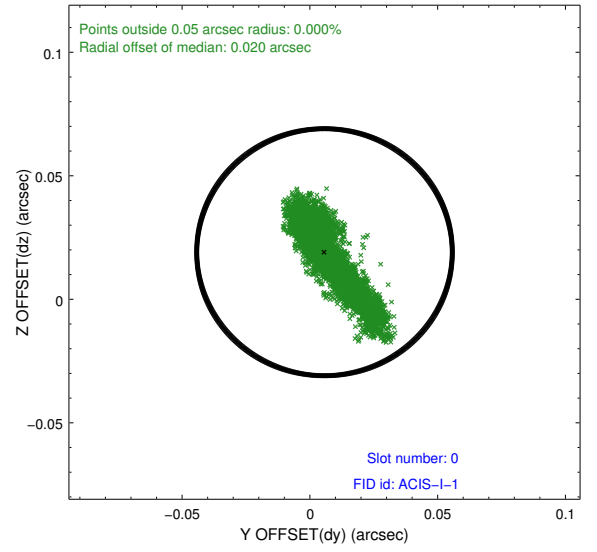
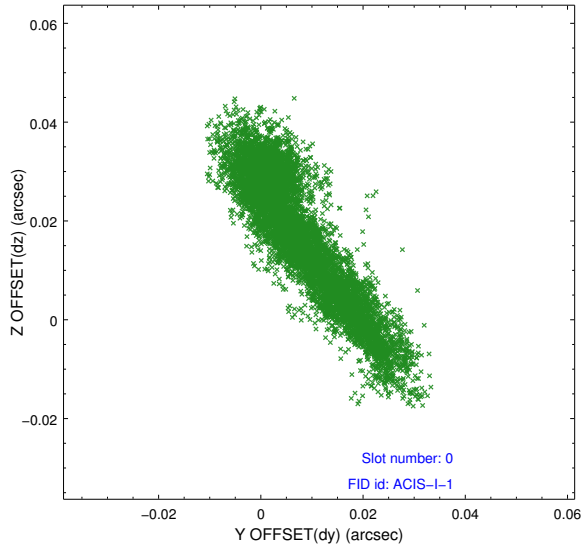


2.4.5 Slot 7

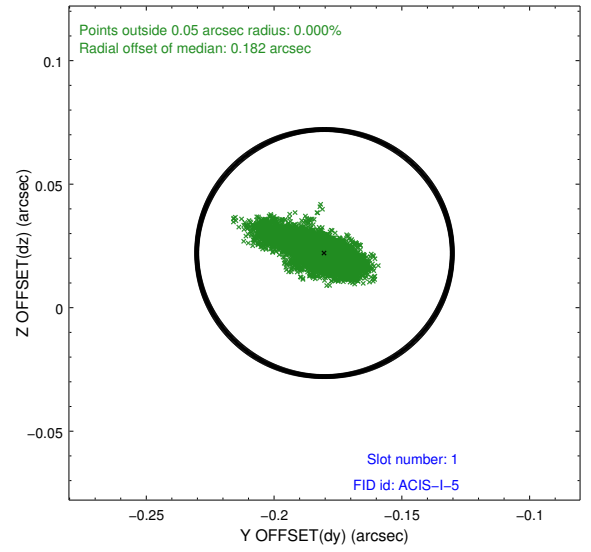
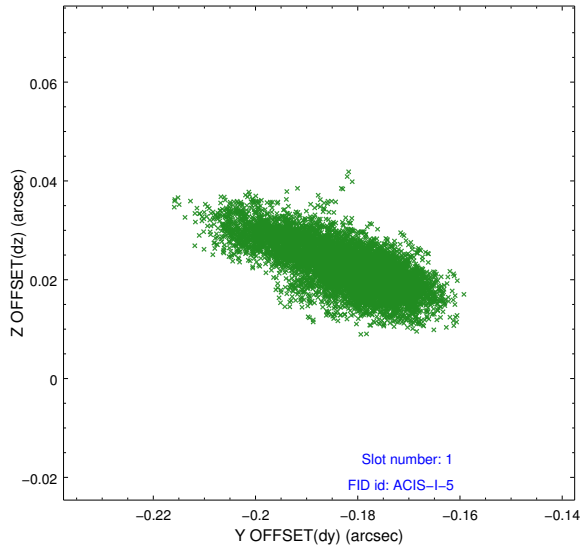


2.5 FID Slots

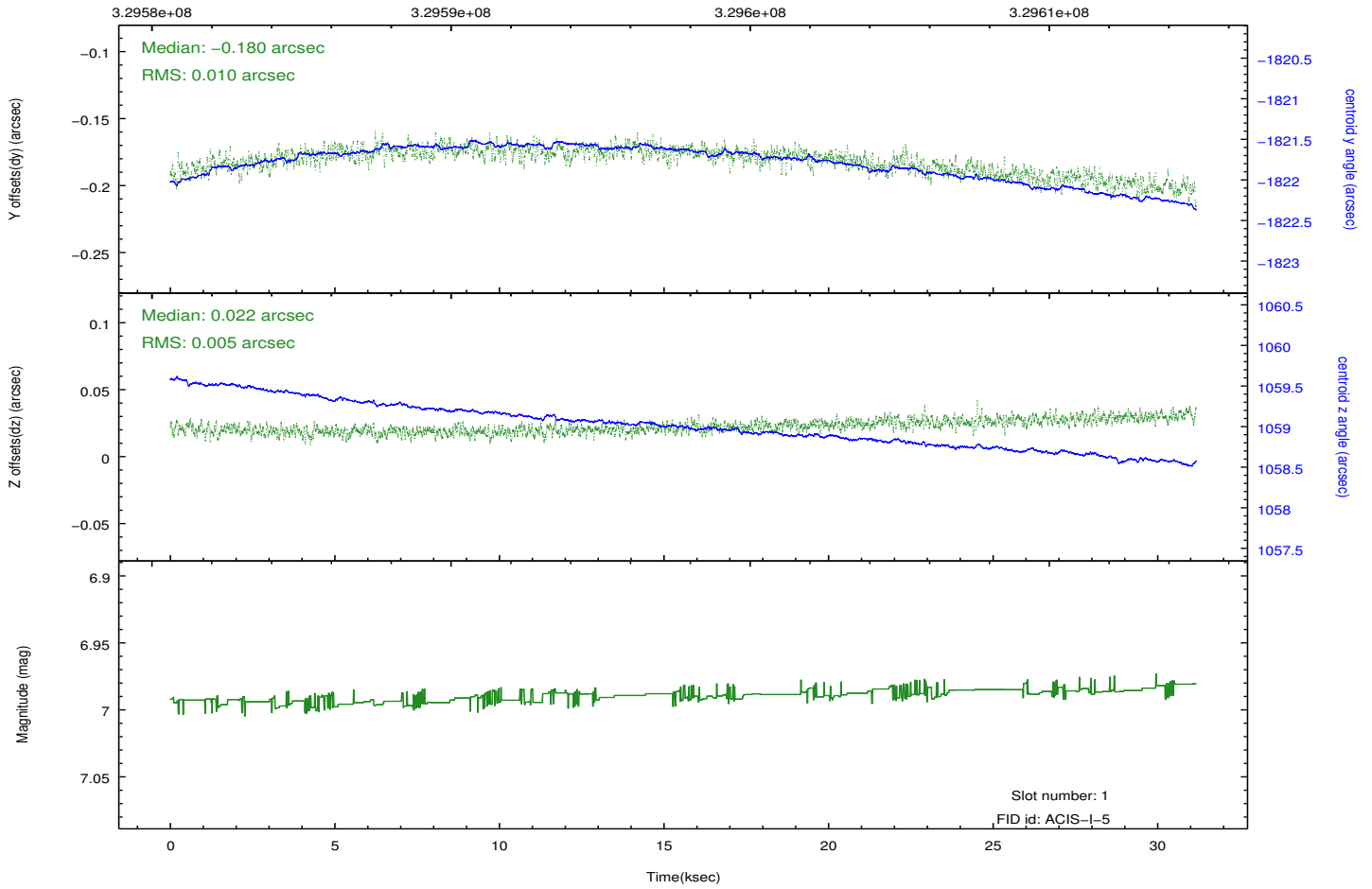
2.5.1 Slot 0



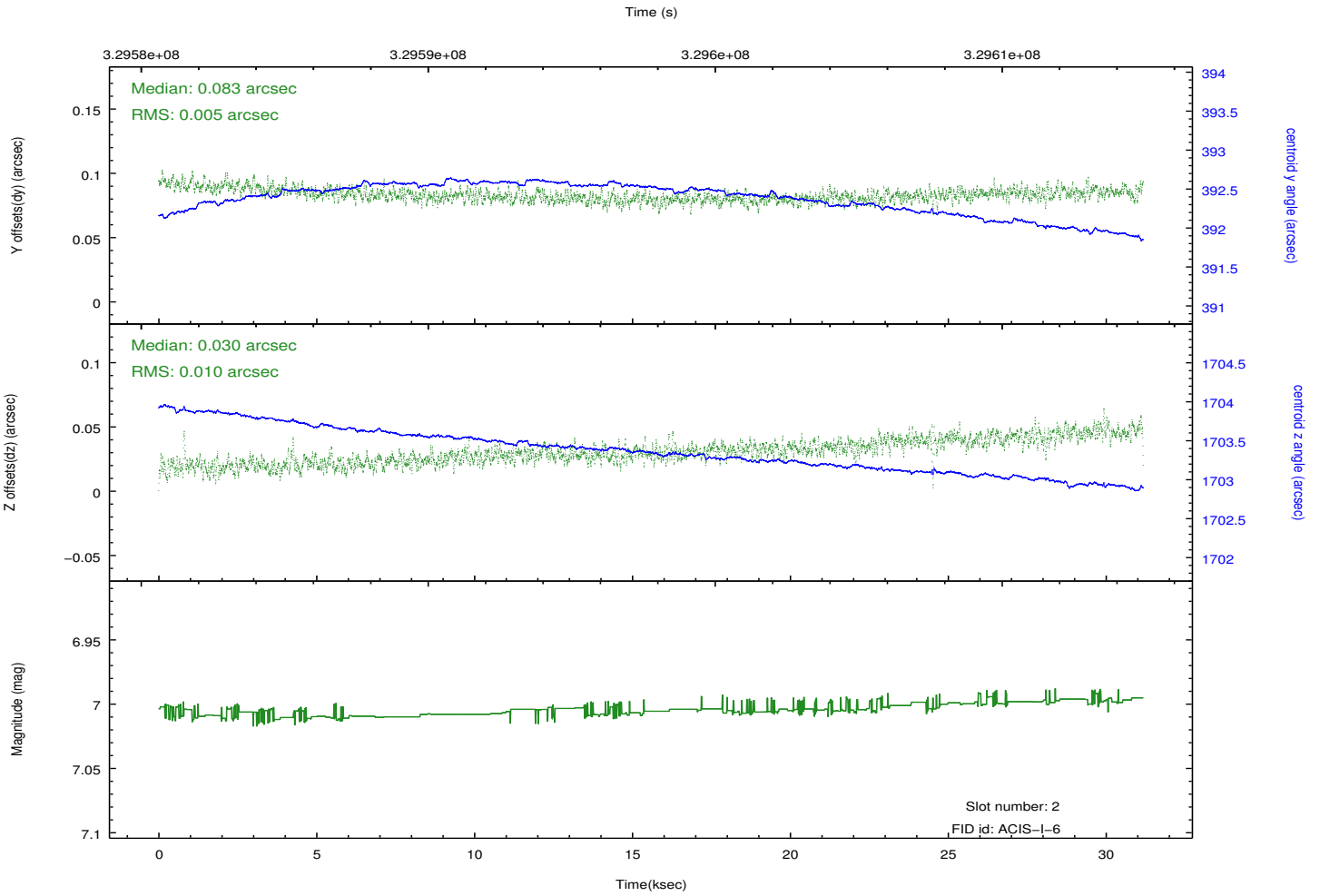
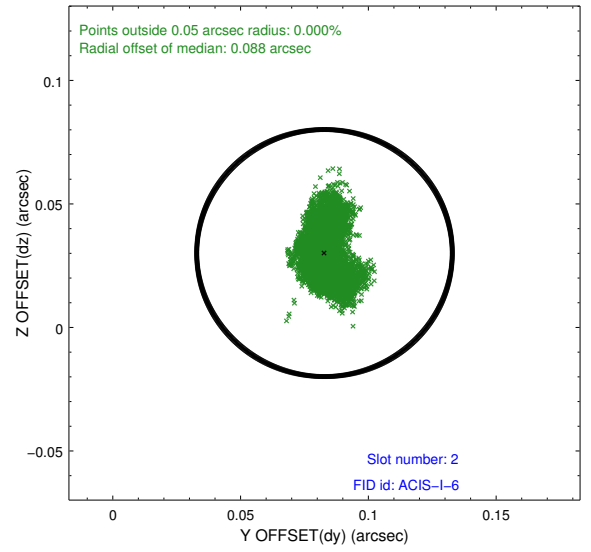
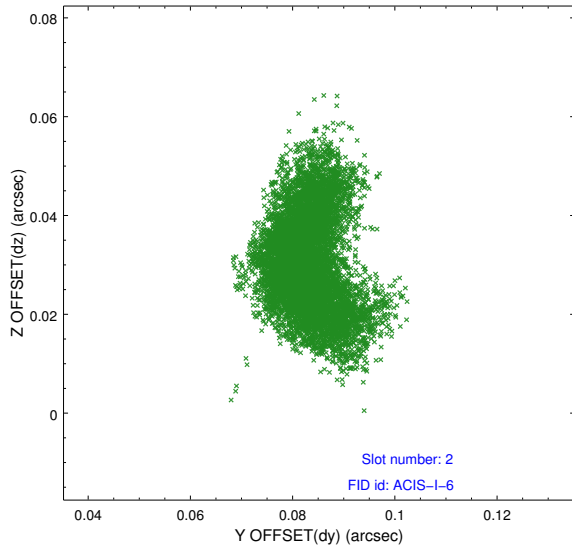
2.5.2 Slot 1



Time (s)



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	31.1579363

A.2 Comments

Joint Proposal: Spitzer. Roll constraint met.