

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9795 - L2 Version 2
Chandra X-Ray Center

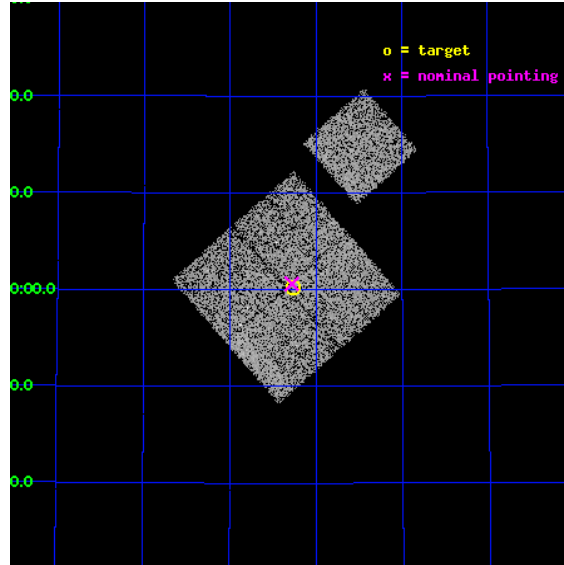
L2 Processing Date : May 6 2012

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1 Front

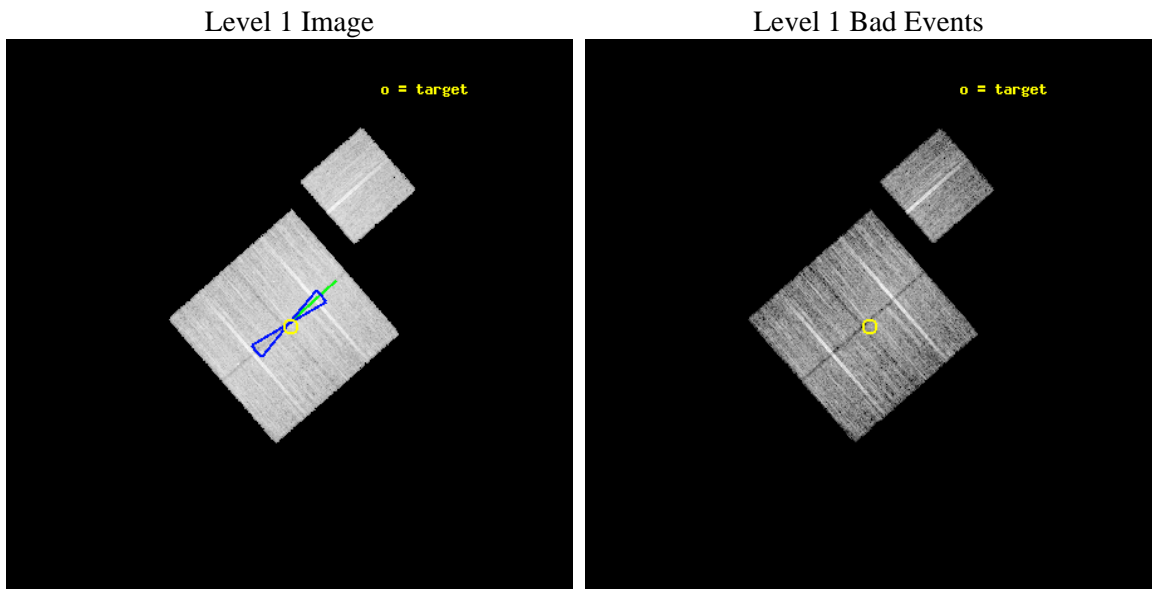
seq_num	900796	Sequence number
obs_id	9795	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.07007500274	Nominal RA [deg]
dec_nom	53.010089929662	Nominal Dec [deg]
roll_nom	48.704331863775	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9024.1000694036	Sum of GTIs [s]
livetime	8906.1935585511	Livetime [s]
ontime0	9020.9590991139	Sum of GTIs [s]
ontime1	9024.1000694036	Sum of GTIs [s]
ontime2	9020.9590691328	Sum of GTIs [s]
ontime3	9024.1000694036	Sum of GTIs [s]
ontime6	9017.8180688024	Sum of GTIs [s]
l2events	30096	Number of level 2 events



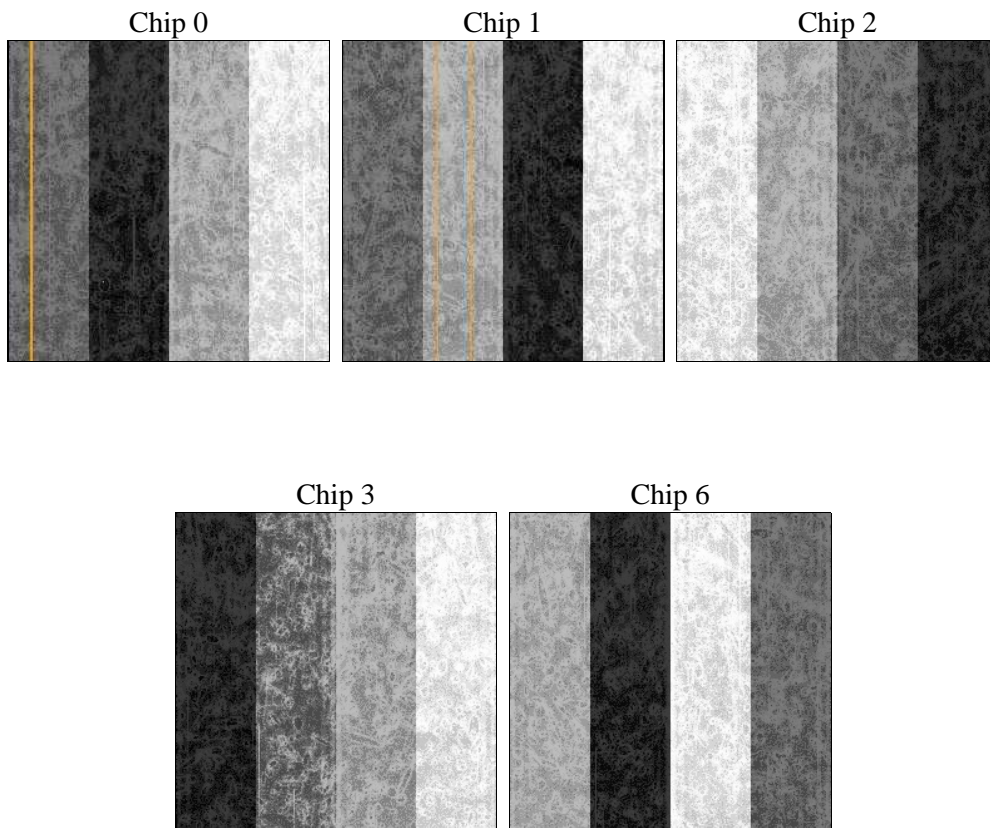
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8965.501000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	9024.1000694036	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	9020.9590991139	Sum of GTIs [s]
date	2012-05-07T01:53:44	Date and time of file creation	ontime1	9024.1000694036	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	9020.9590691328	Sum of GTIs [s]
			ontime3	9024.1000694036	Sum of GTIs [s]
			ontime6	9017.8180688024	Sum of GTIs [s]
			l1events	364975	Number of level 1 events

2.1.4 Events

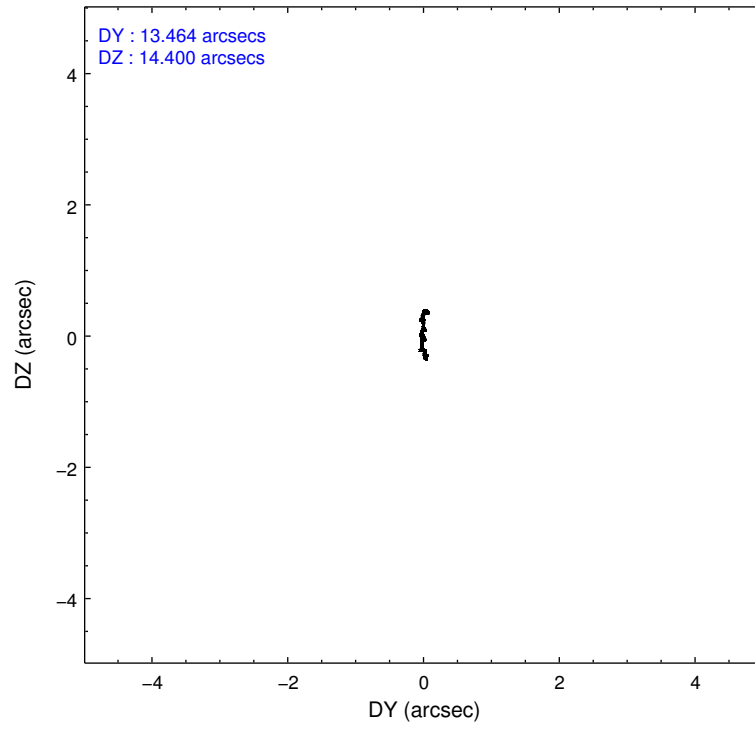
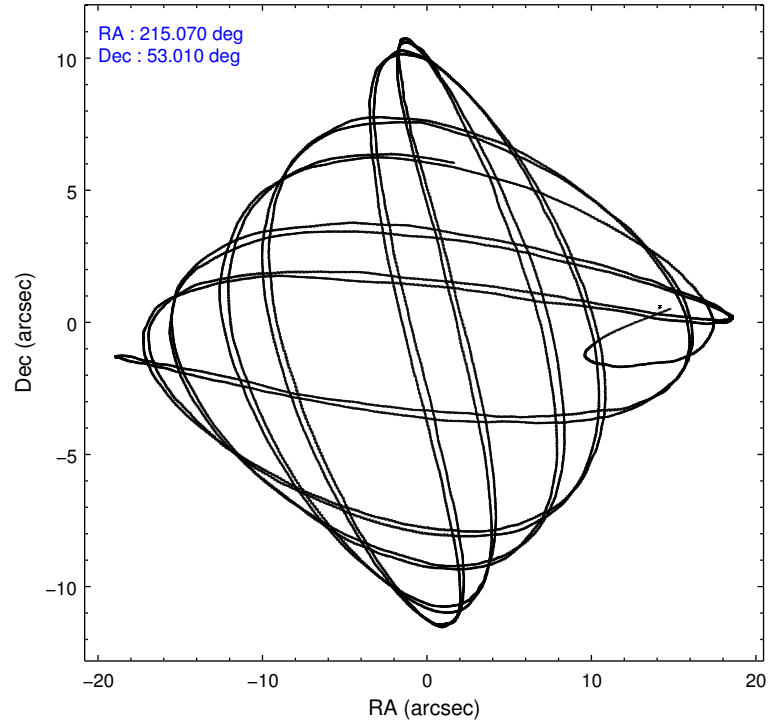
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	71883	69650	80502	71756	71184
rejected events	64609	61487	73526	64943	64009
rejected %	89%	88%	91%	90%	89%

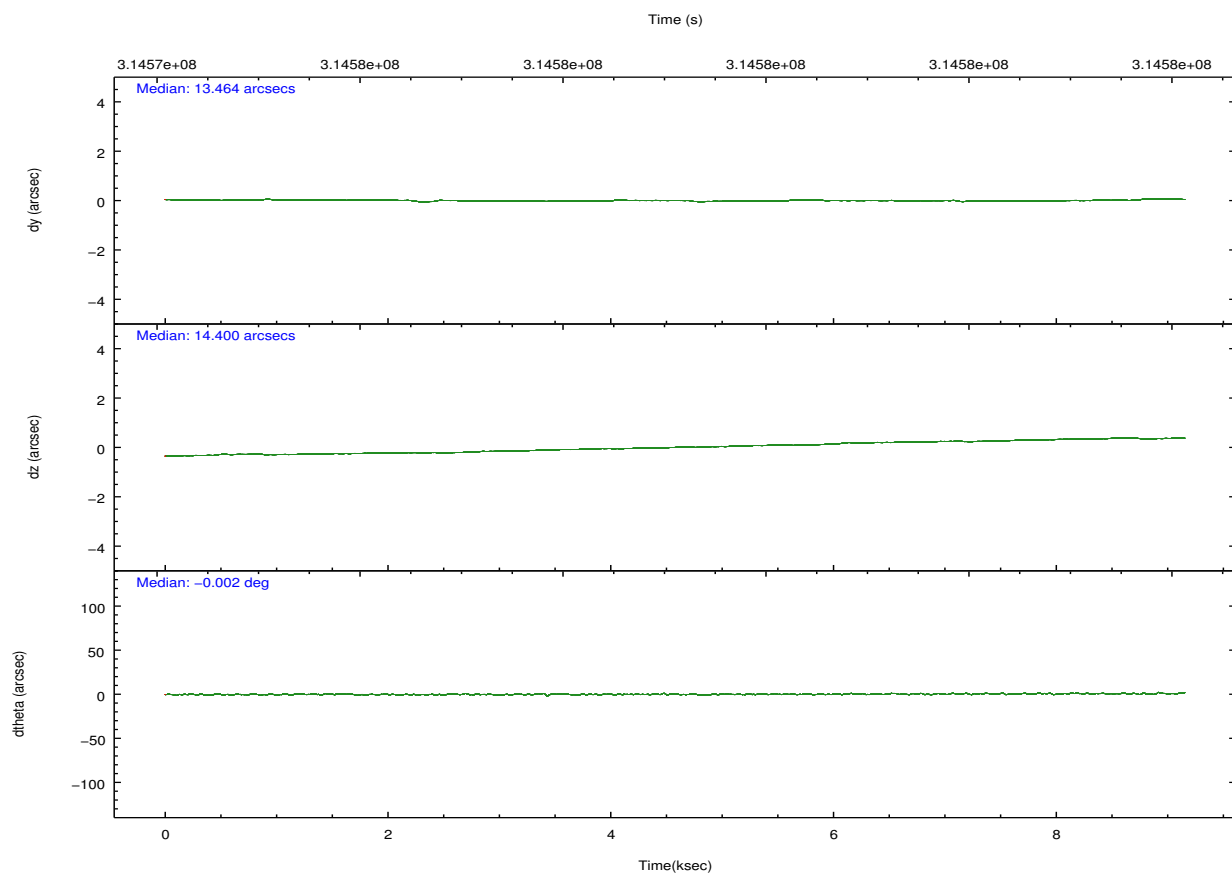
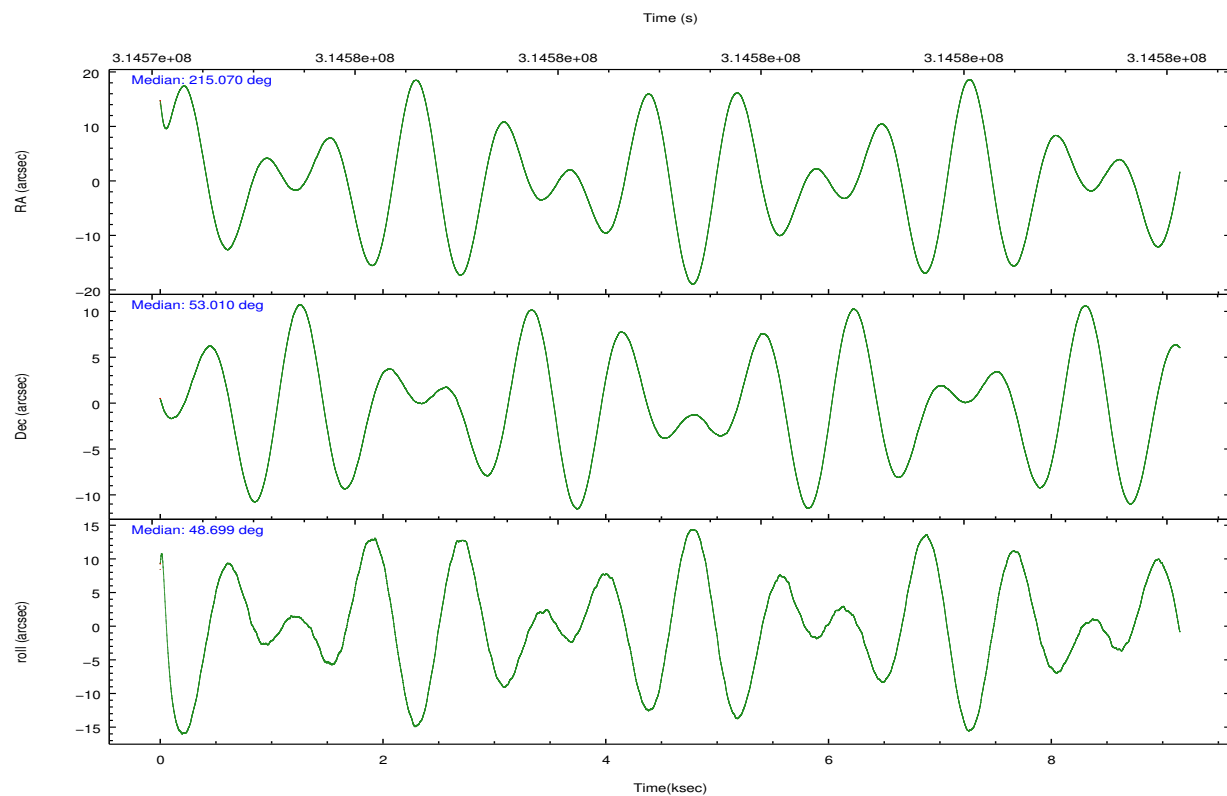
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2647	2864	2534	2477	2386
	3%	4%	3%	3%	3%
grade 1 events	41	29	41	37	38
	0%	0%	0%	0%	0%
grade 2 events	1738	1885	1665	1407	1622
	2%	2%	2%	1%	2%
grade 3 events	730	873	711	764	793
	1%	1%	0%	1%	1%
grade 4 events	746	818	775	757	810
	1%	1%	0%	1%	1%
grade 5 events	2501	2771	2342	2950	2856
	3%	3%	2%	4%	4%
grade 6 events	1423	1729	1292	1411	1567
	1%	2%	1%	1%	2%
grade 7 events	62057	58681	71142	61953	61112
	86%	84%	88%	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	215.061283	215.0700750027387	CCD I2 on	Y	Y
[deg] Pointing Dec	52.983099	53.01008992966236	CCD I3 on	Y	Y
[deg] Pointing Roll	48.502636	48.70433186377518	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)	314574717.184000	314573780.34398	Subarray requested	NONE	NONE
Observation start date	2007-12-20T21:50:52	2007-12-20T21:36:20	Alternating exposures requested	N	N
[s] Observation end time (MET)	314583683.184000	314583916.05697	[s] Primary exposure time	0.000000	3.1
Observation end date	2007-12-21T00:20:18	2007-12-21T00:25:16			
Read mode	TIMED	TIMED			

2.3 Aspect



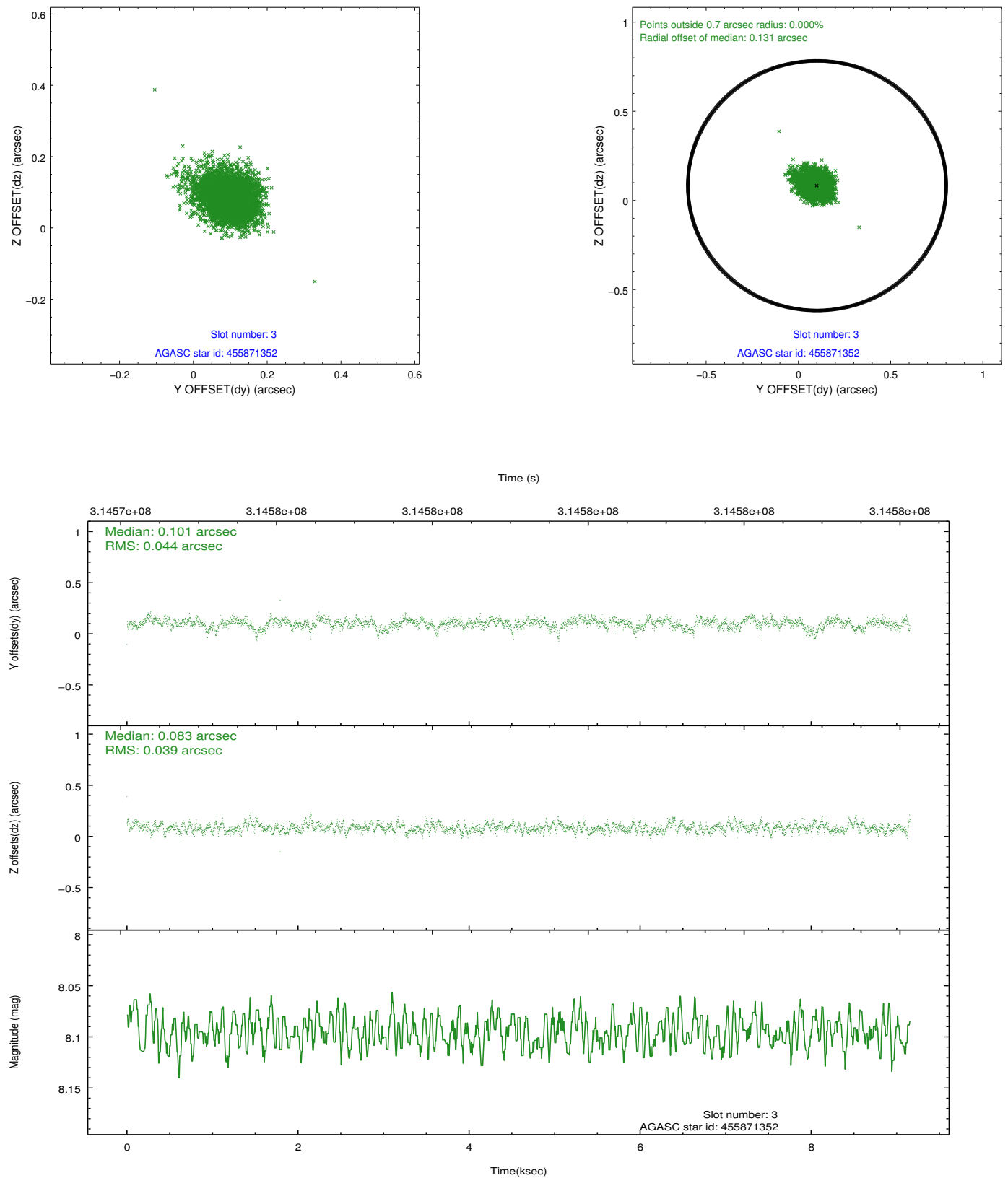


Slot Statistics

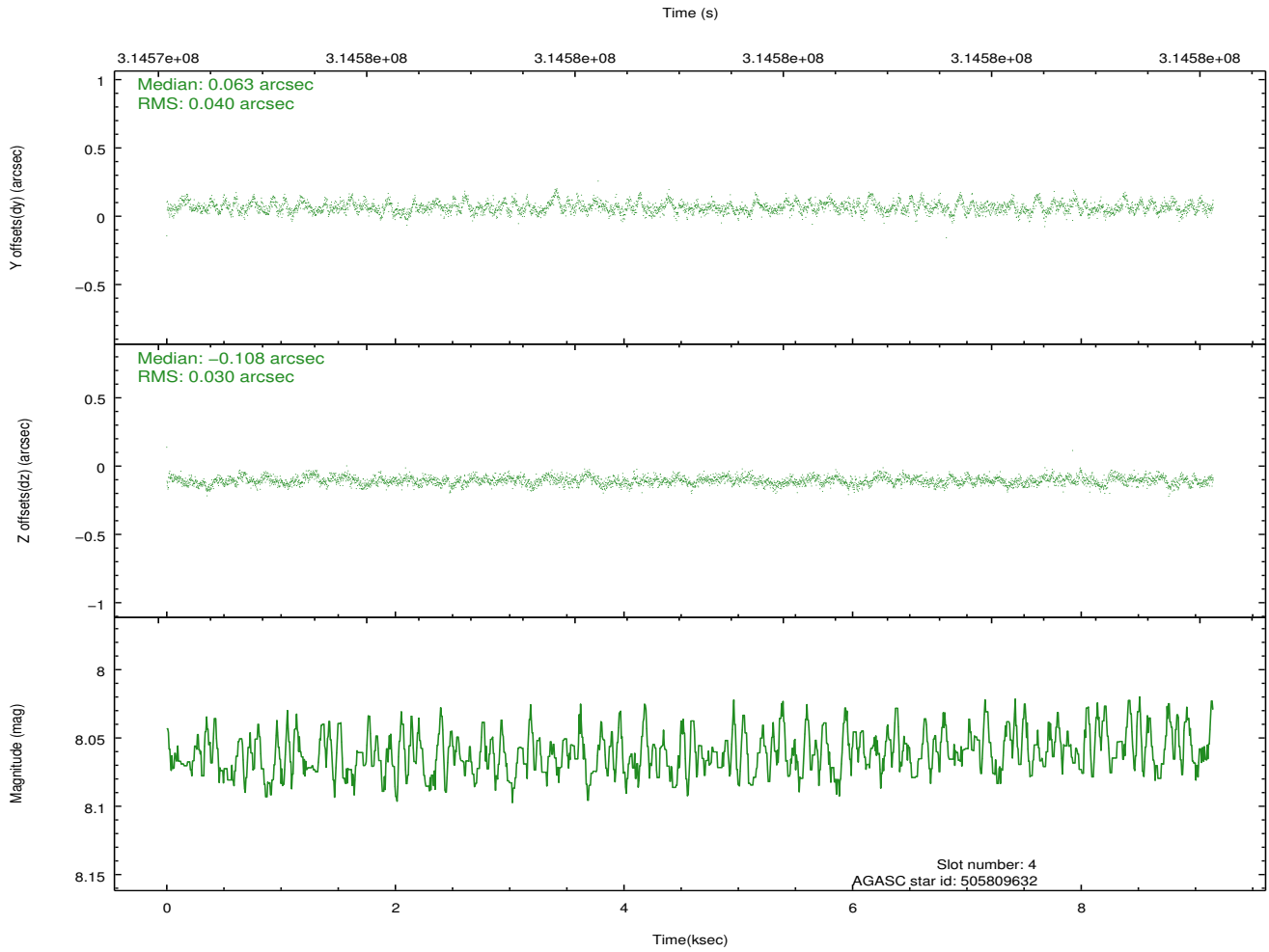
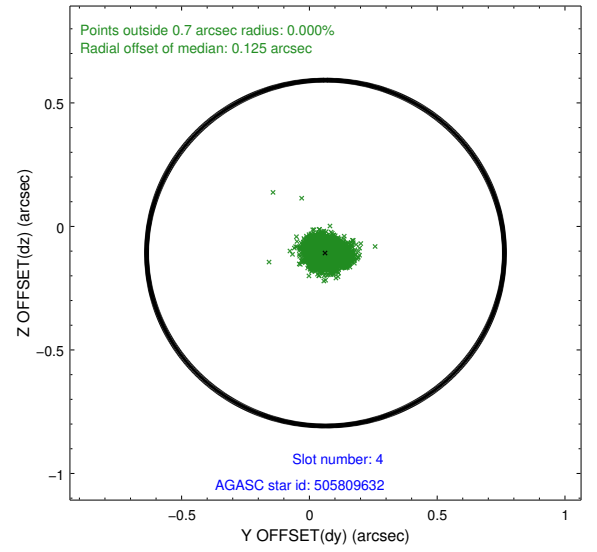
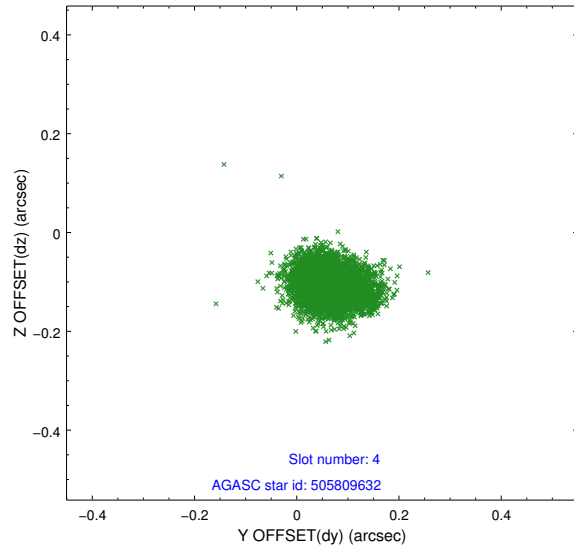
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2234	0.027	0.005	0.010	0.017	0.000000	0.000000	926.07	-837.98
1	FID	ACIS-I-5	7.23	2233	-0.213	0.032	0.006	0.010	0.000000	0.000000	-1821.97	1059.21
2	FID	ACIS-I-6	7.24	2232	0.095	0.033	0.011	0.017	0.000000	0.000000	391.01	1704.41
3	GUIDE	455871352	8.10	4467	0.101	0.083	0.060	0.102	215.099961	52.172669	-2128.20	-1997.07
4	GUIDE	505809632	8.06	4465	0.063	-0.108	0.052	0.087	215.499426	53.521185	2074.07	582.91
5	GUIDE	505812088	8.15	4466	0.027	-0.141	0.067	0.107	214.186617	53.263562	-482.62	2087.37
6	GUIDE	505812376	7.60	4466	-0.121	0.047	0.048	0.080	214.039537	52.937930	-1579.01	1563.62
7	GUIDE	505815928	8.34	4464	-0.069	0.120	0.065	0.110	216.234742	53.074559	1943.65	-1668.07

2.4 Star Slots

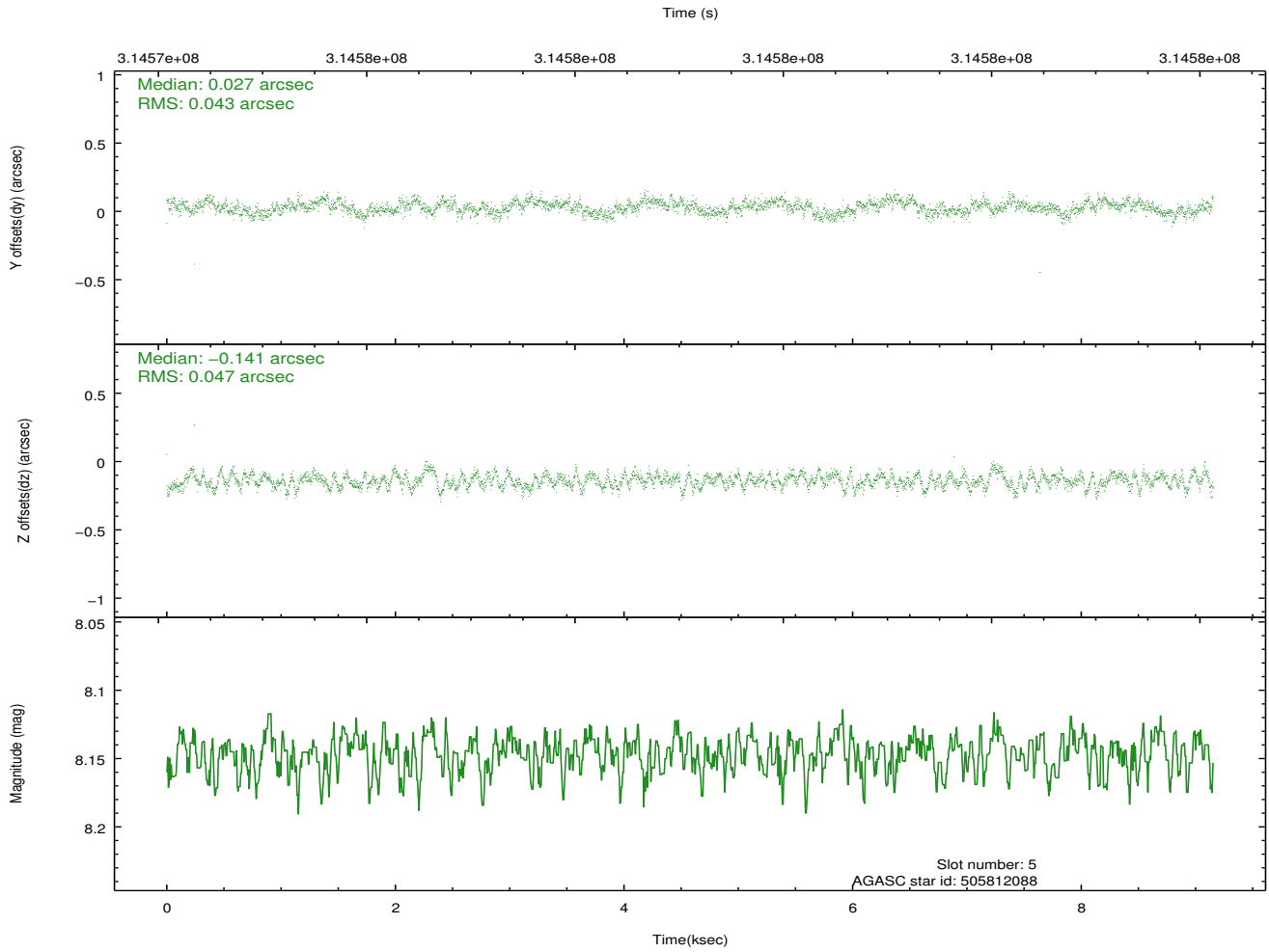
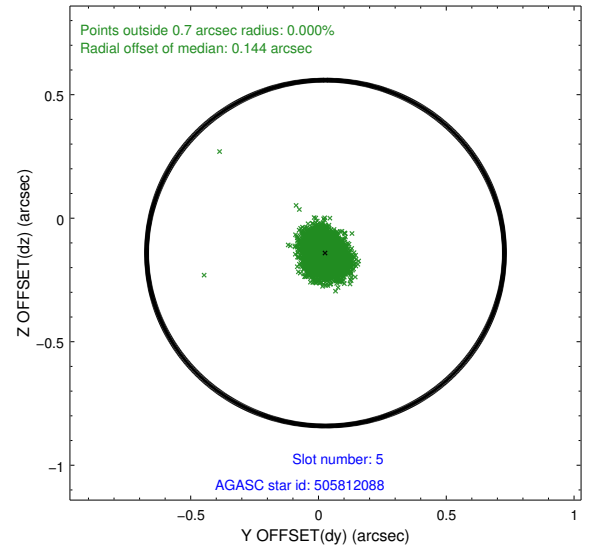
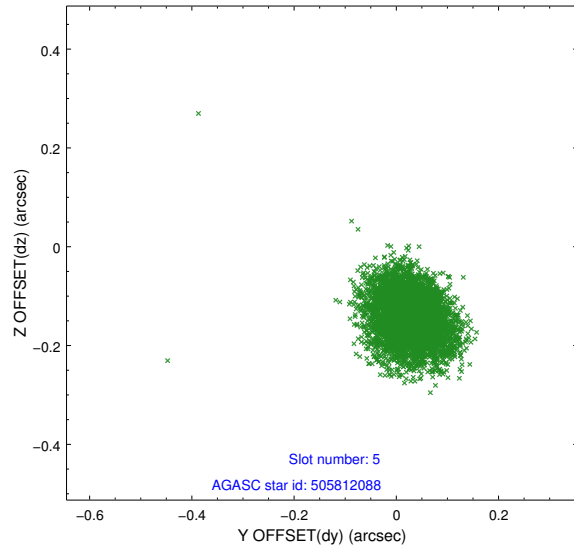
2.4.1 Slot 3



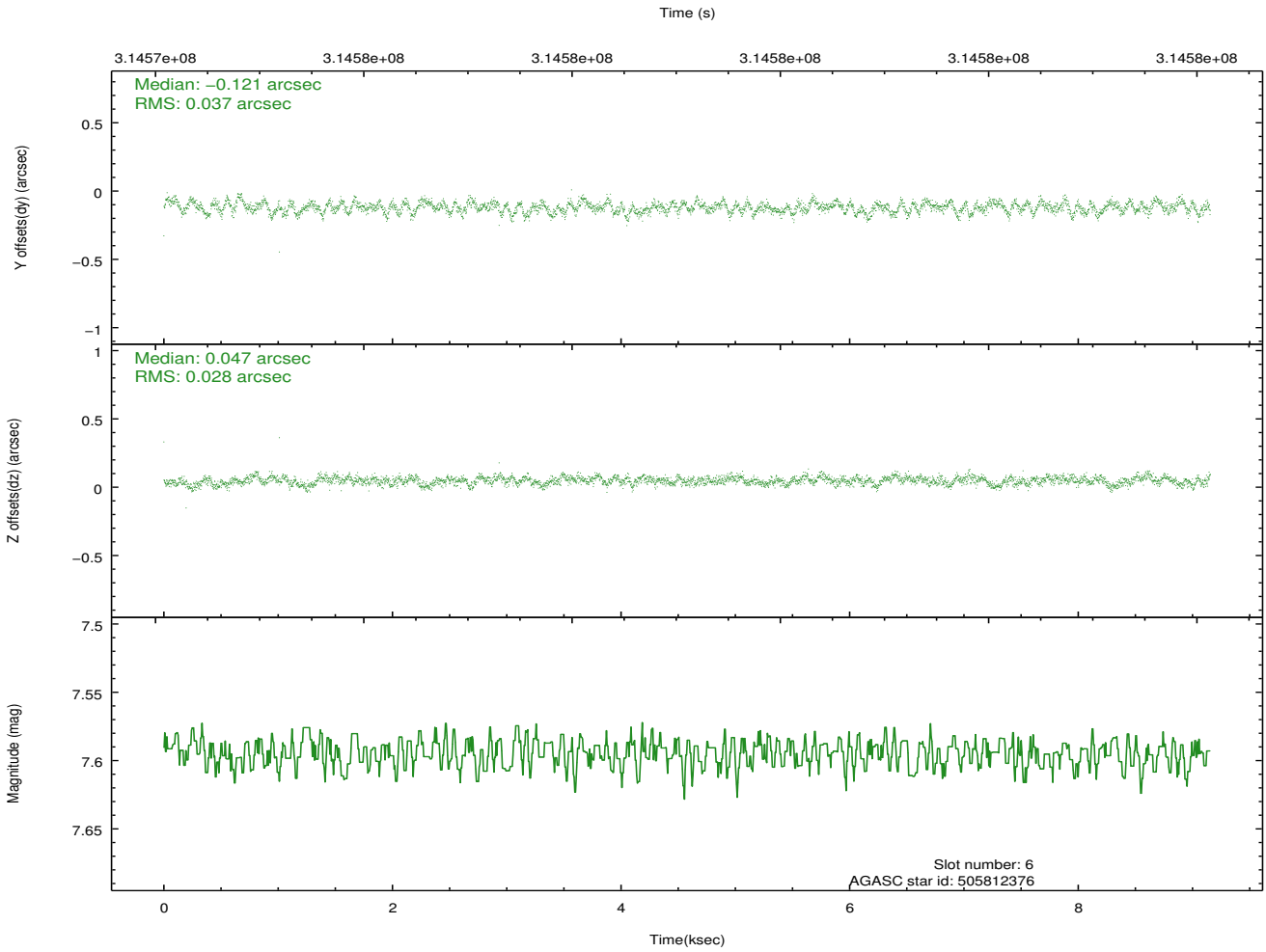
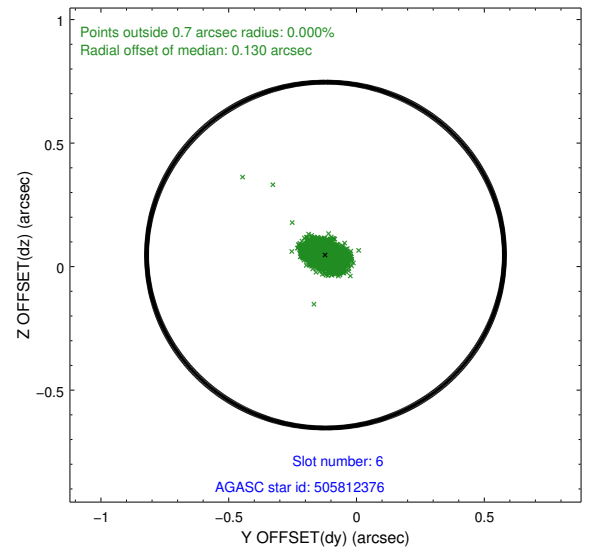
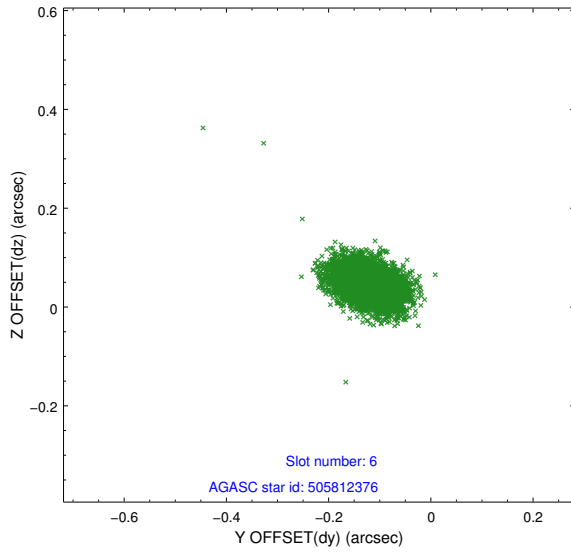
2.4.2 Slot 4



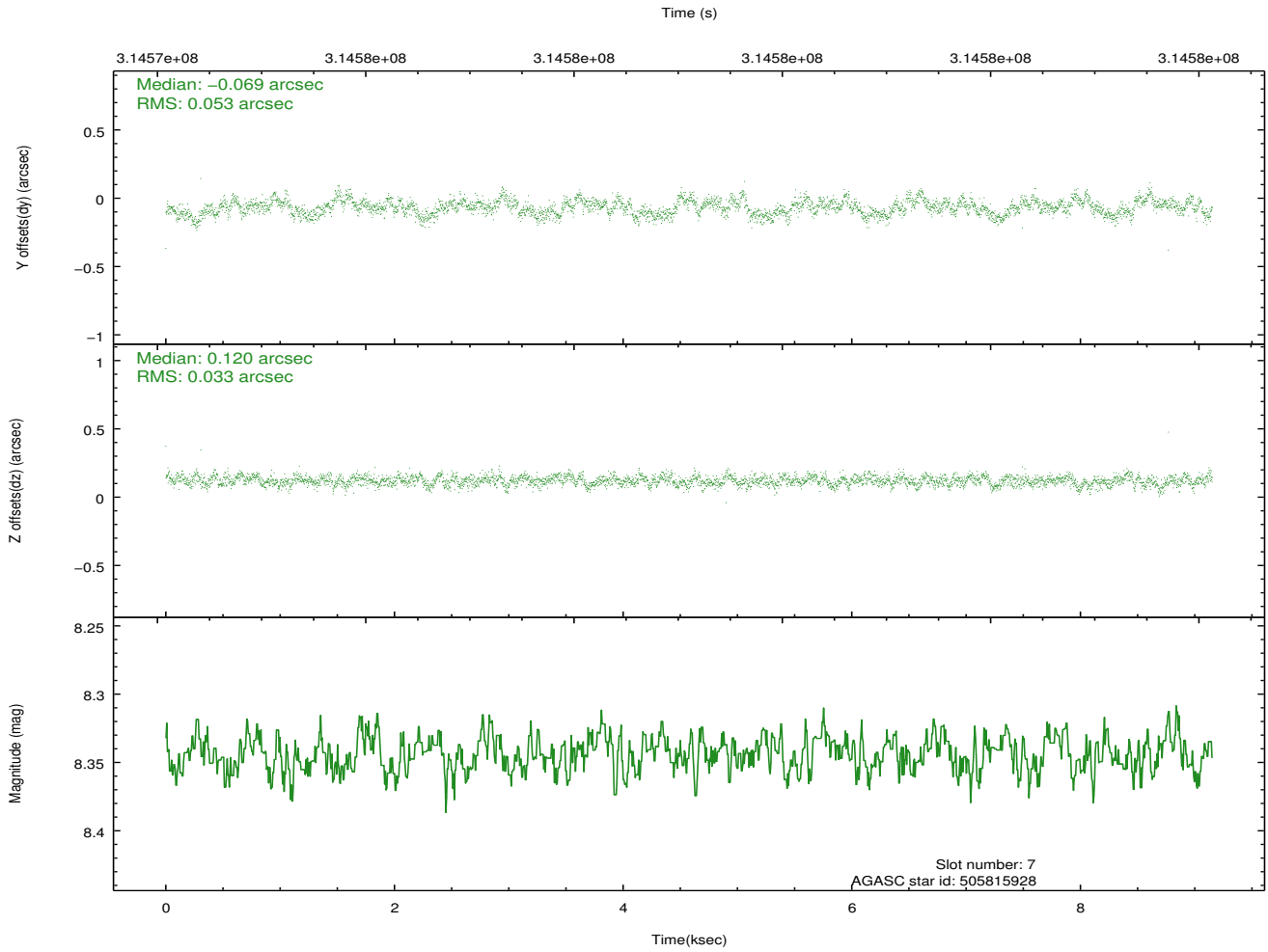
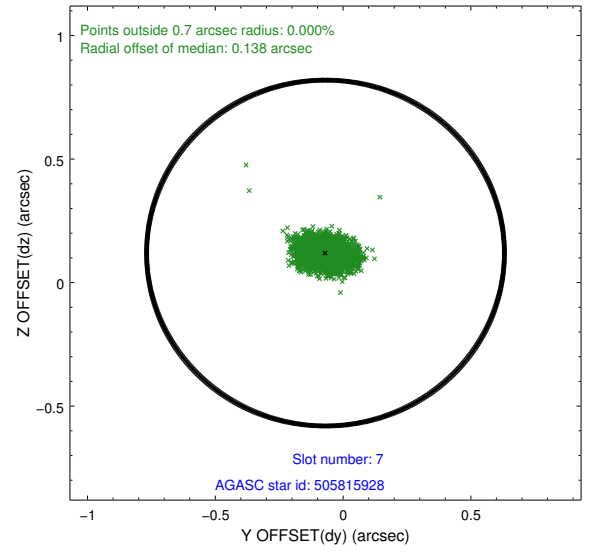
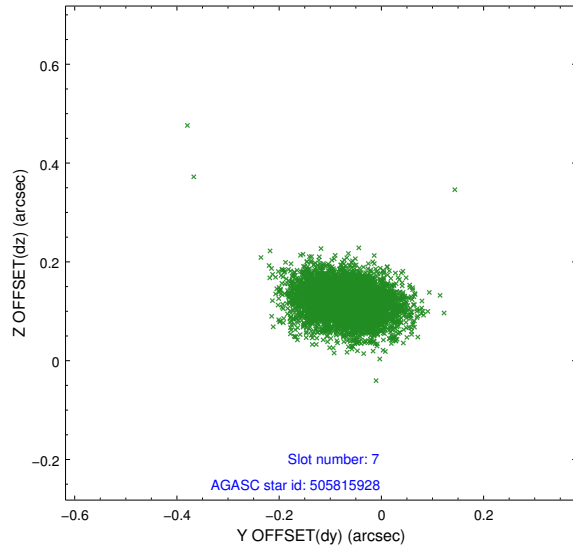
2.4.3 Slot 5



2.4.4 Slot 6

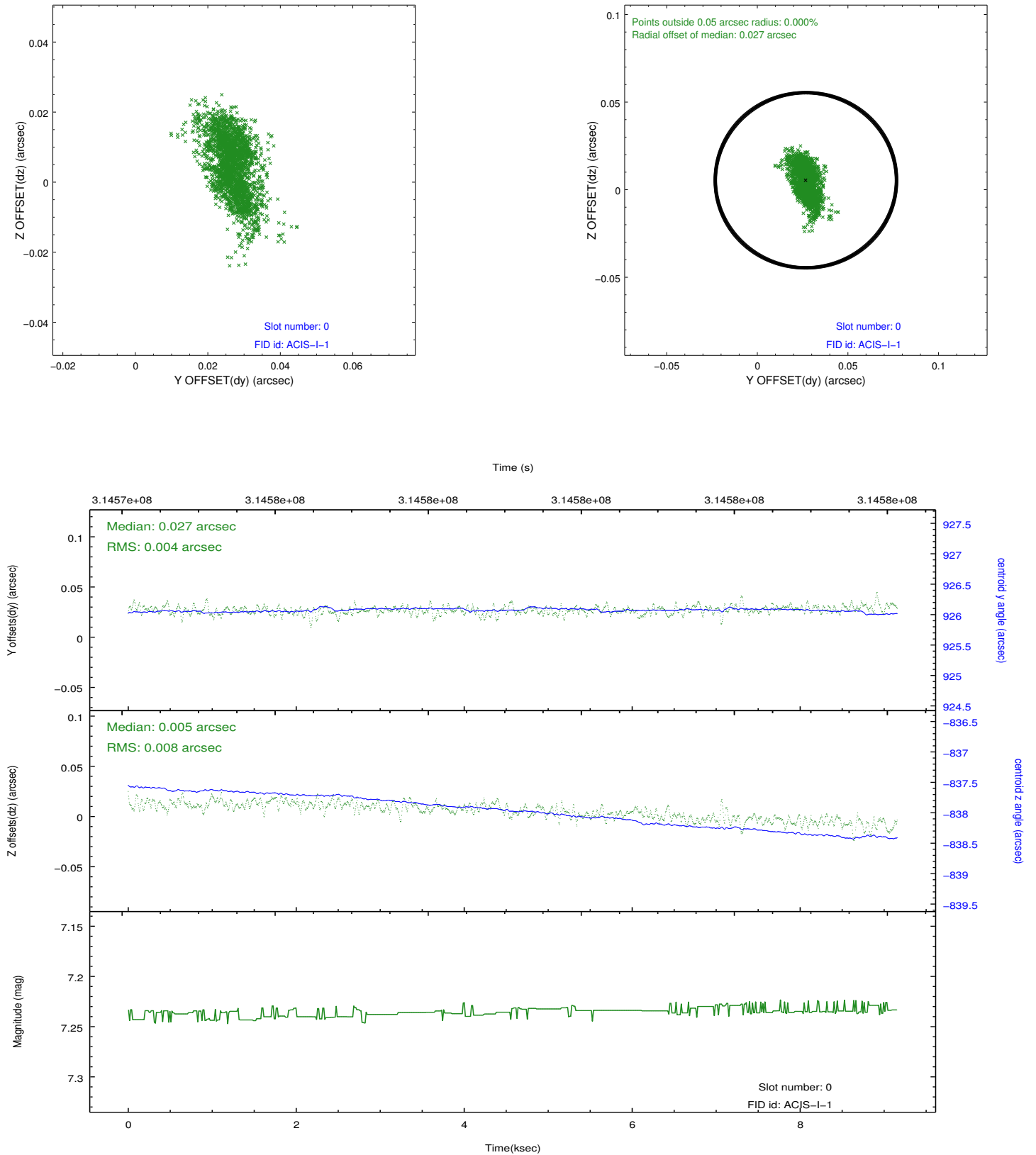


2.4.5 Slot 7

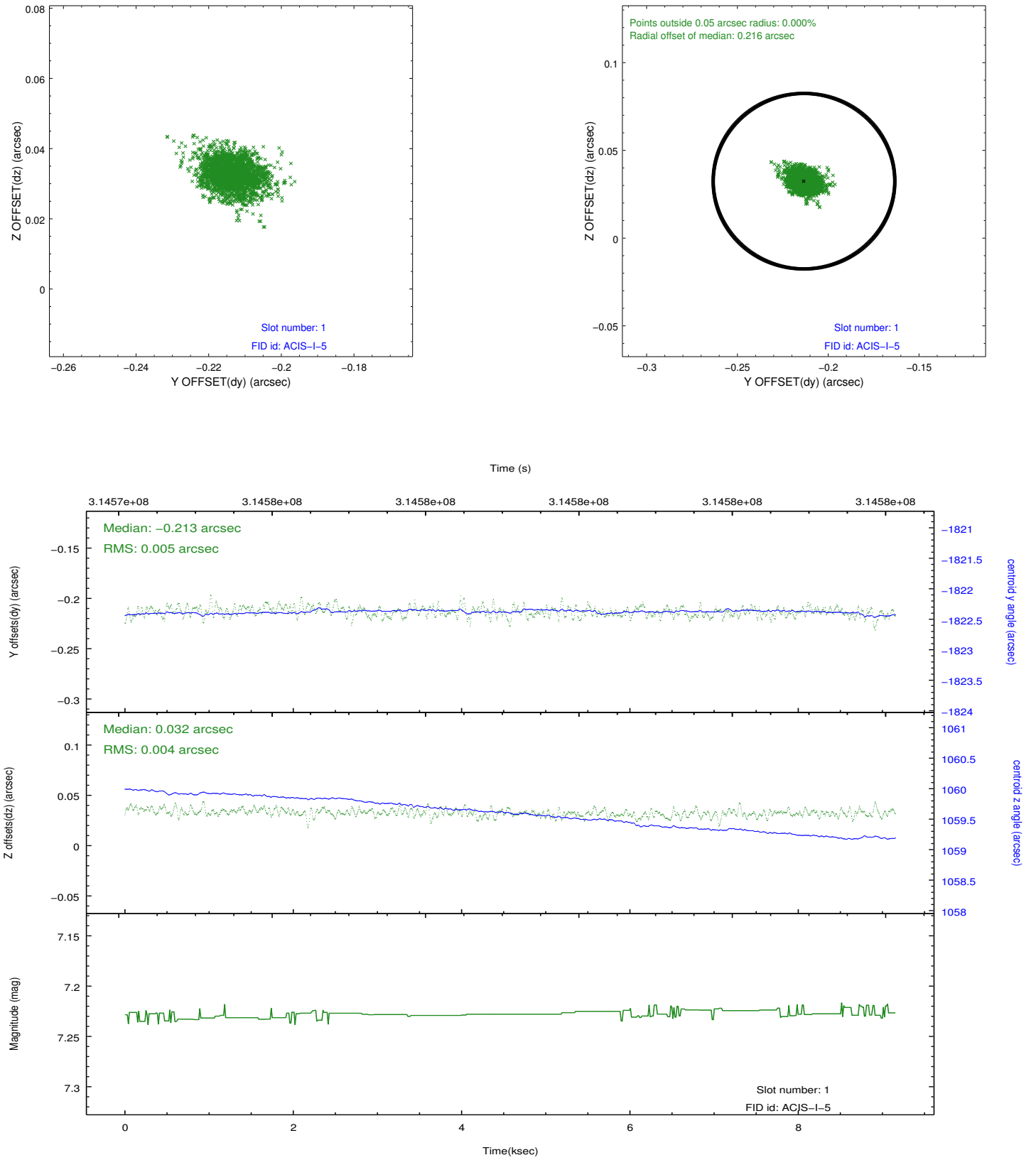


2.5 FID Slots

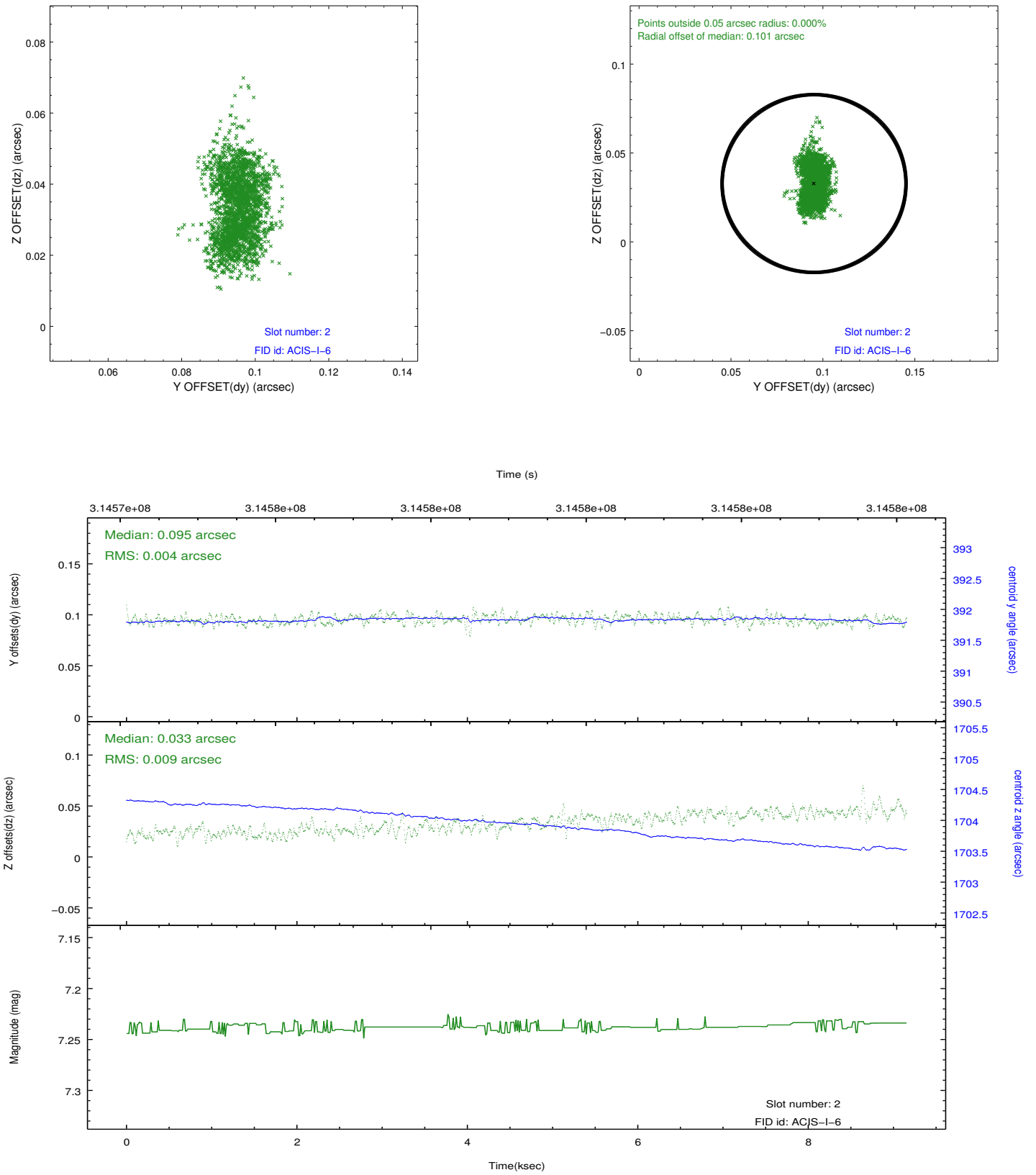
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.02410006

A.2 Comments

Joint Proposal: Spitzer. Roll constraint met.