

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9722 - L2 Version 2
Chandra X-Ray Center

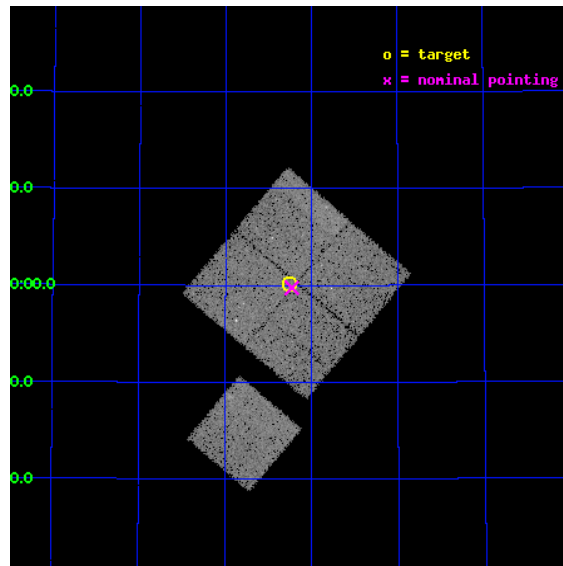
L2 Processing Date : May 16 2012

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1 Front

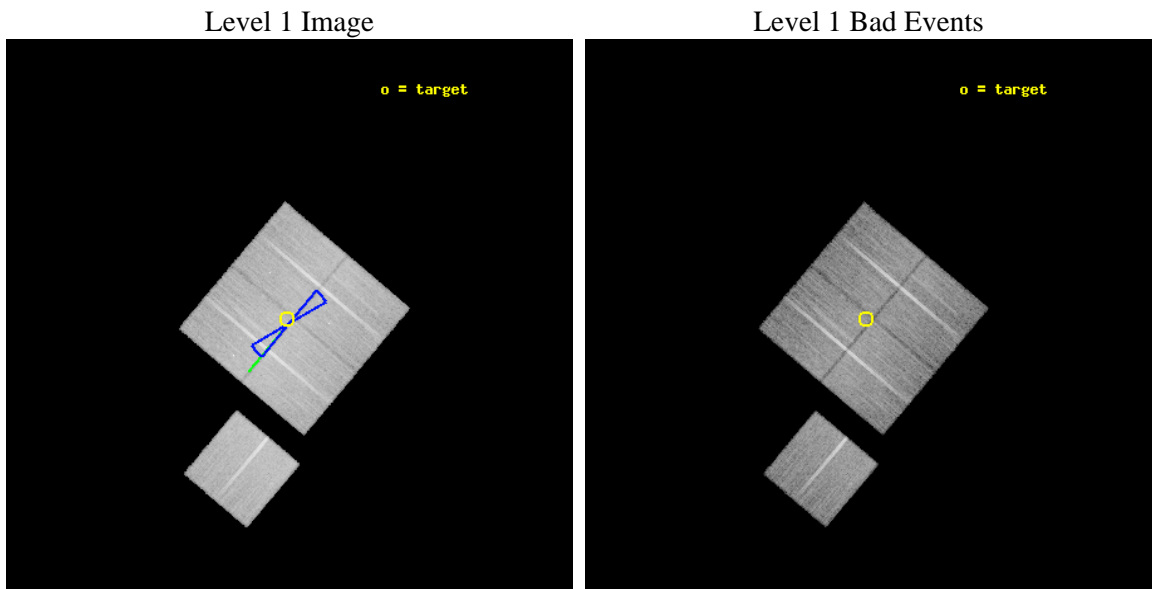
seq_num	900796	Sequence number
obs_id	9722	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.05734773123	Nominal RA [deg]
dec_nom	52.995884824998	Nominal Dec [deg]
roll_nom	220.21448032341	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20150.000154972	Sum of GTIs [s]
livetime	19886.725568733	Livetime [s]
ontime0	20150.000154972	Sum of GTIs [s]
ontime1	20150.000154972	Sum of GTIs [s]
ontime2	20143.718204379	Sum of GTIs [s]
ontime3	20150.000154972	Sum of GTIs [s]
ontime6	20140.577253938	Sum of GTIs [s]
l2events	69664	Number of level 2 events



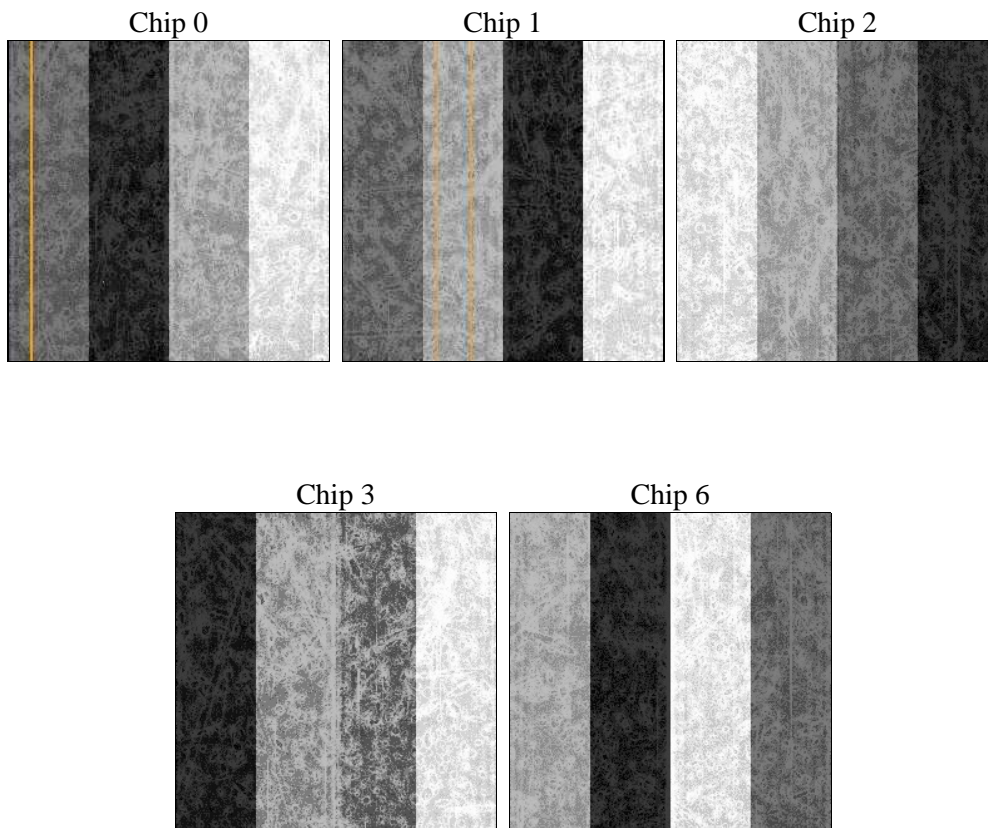
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20150.000154972	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	20150.000154972	Sum of GTIs [s]
date	2012-05-16T14:40:53	Date and time of file creation	ontime1	20150.000154972	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20143.718204379	Sum of GTIs [s]
			ontime3	20150.000154972	Sum of GTIs [s]
			ontime6	20140.577253938	Sum of GTIs [s]
			l1events	800575	Number of level 1 events

2.1.4 Events

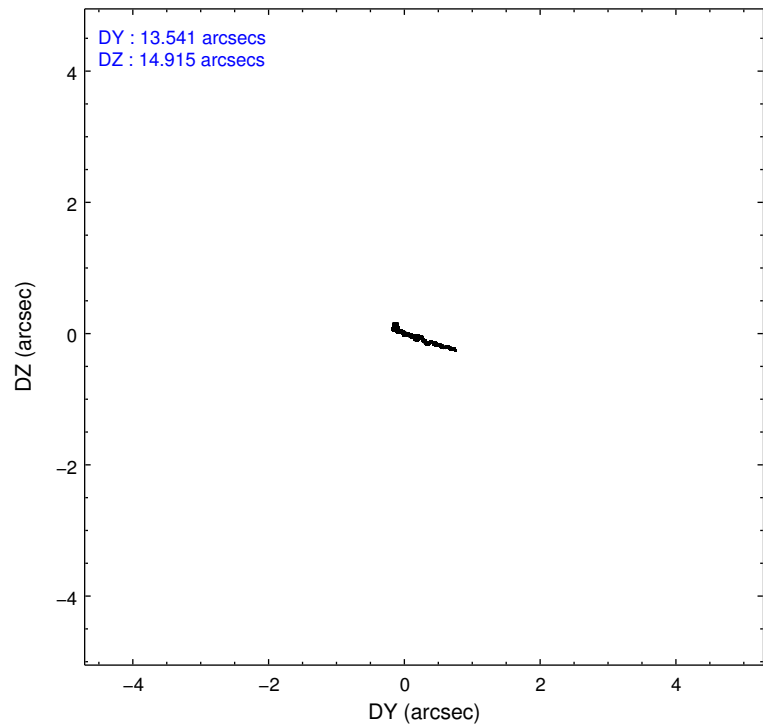
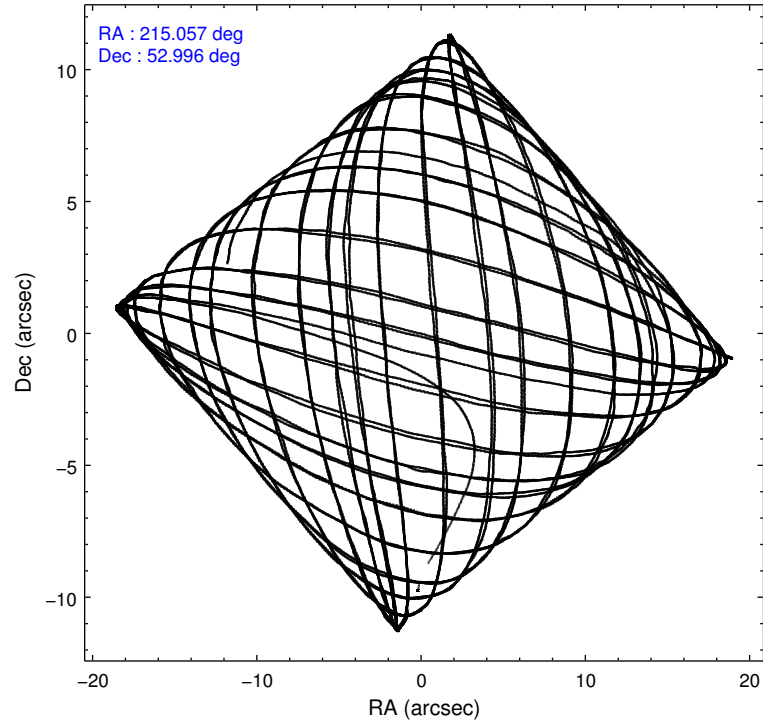
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	150310	154139	169660	160554	165912
rejected events	133833	135357	153595	144497	149296
rejected %	89%	87%	90%	89%	89%

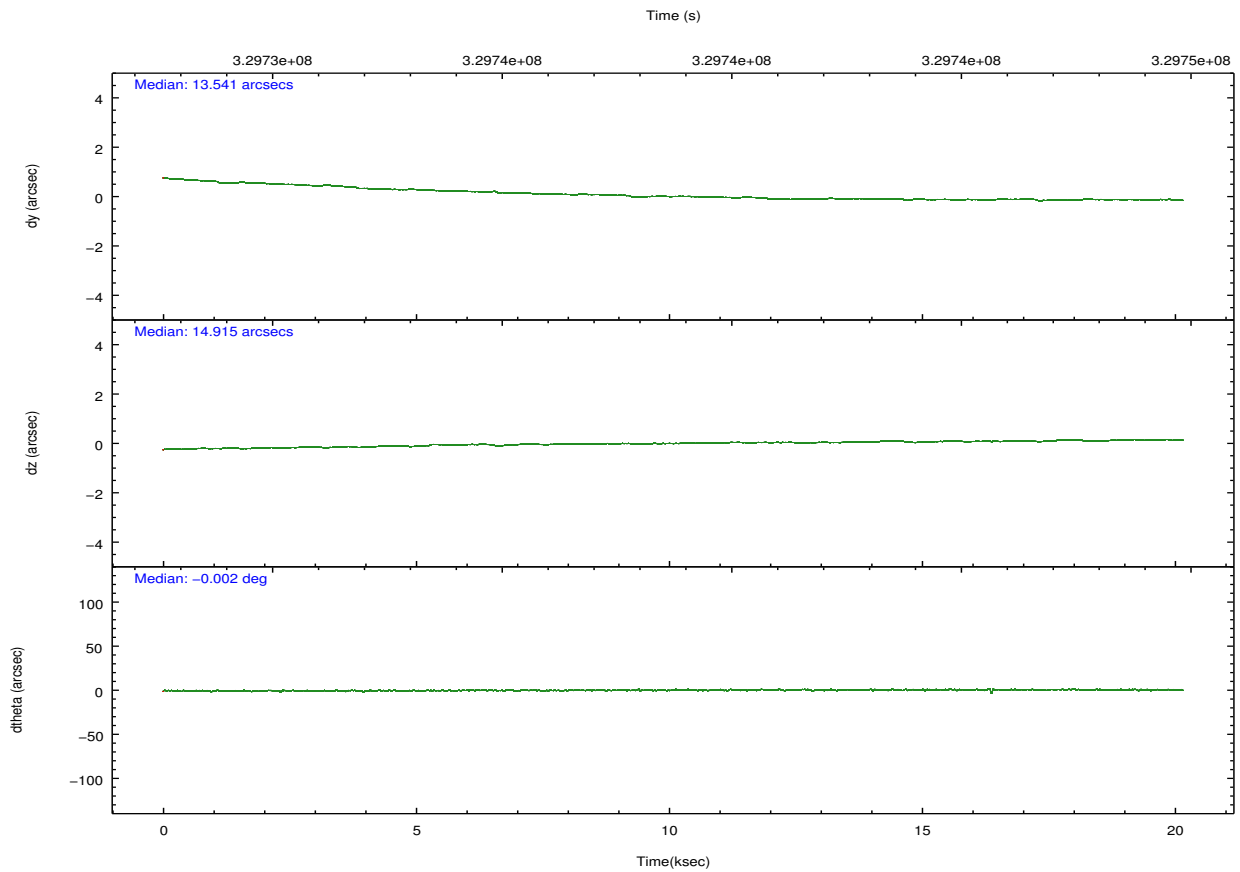
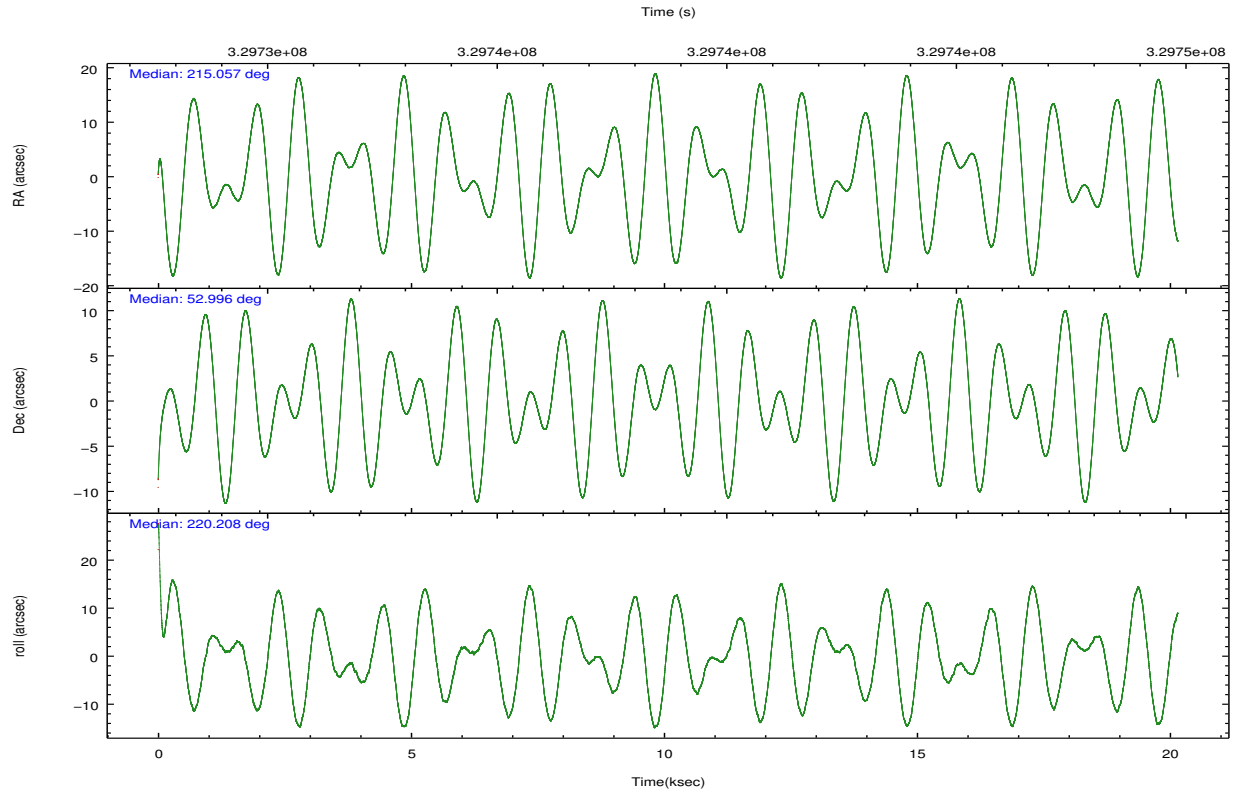
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5836	6695	5616	5922	5838
	3%	4%	3%	3%	3%
grade 1 events	99	92	85	95	92
	0%	0%	0%	0%	0%
grade 2 events	4038	4247	4059	3545	3659
	2%	2%	2%	2%	2%
grade 3 events	1811	2082	1666	1759	1800
	1%	1%	0%	1%	1%
grade 4 events	1692	1957	1758	1730	1799
	1%	1%	1%	1%	1%
grade 5 events	5739	6398	5458	6739	6723
	3%	4%	3%	4%	4%
grade 6 events	3210	3910	3052	3192	3626
	2%	2%	1%	1%	2%
grade 7 events	127885	128758	147966	137572	142375
	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	215.057347731232	CCD I2 on	Y	Y
[deg] Pointing Dec	53.021792	52.99588482499808	CCD I3 on	Y	Y
[deg] Pointing Roll	219.993539	220.2144803234067	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)	329728789.184000	329727748.54328	Subarray requested	NONE	NONE
Observation start date	2008-06-13T07:18:44	2008-06-13T07:02:28	Alternating exposures requested	N	N
[s] Observation end time (MET)	329748789.184000	329750073.04438	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-06-13T12:52:04	2008-06-13T13:14:33			
Read mode	TIMED	TIMED			

2.3 Aspect



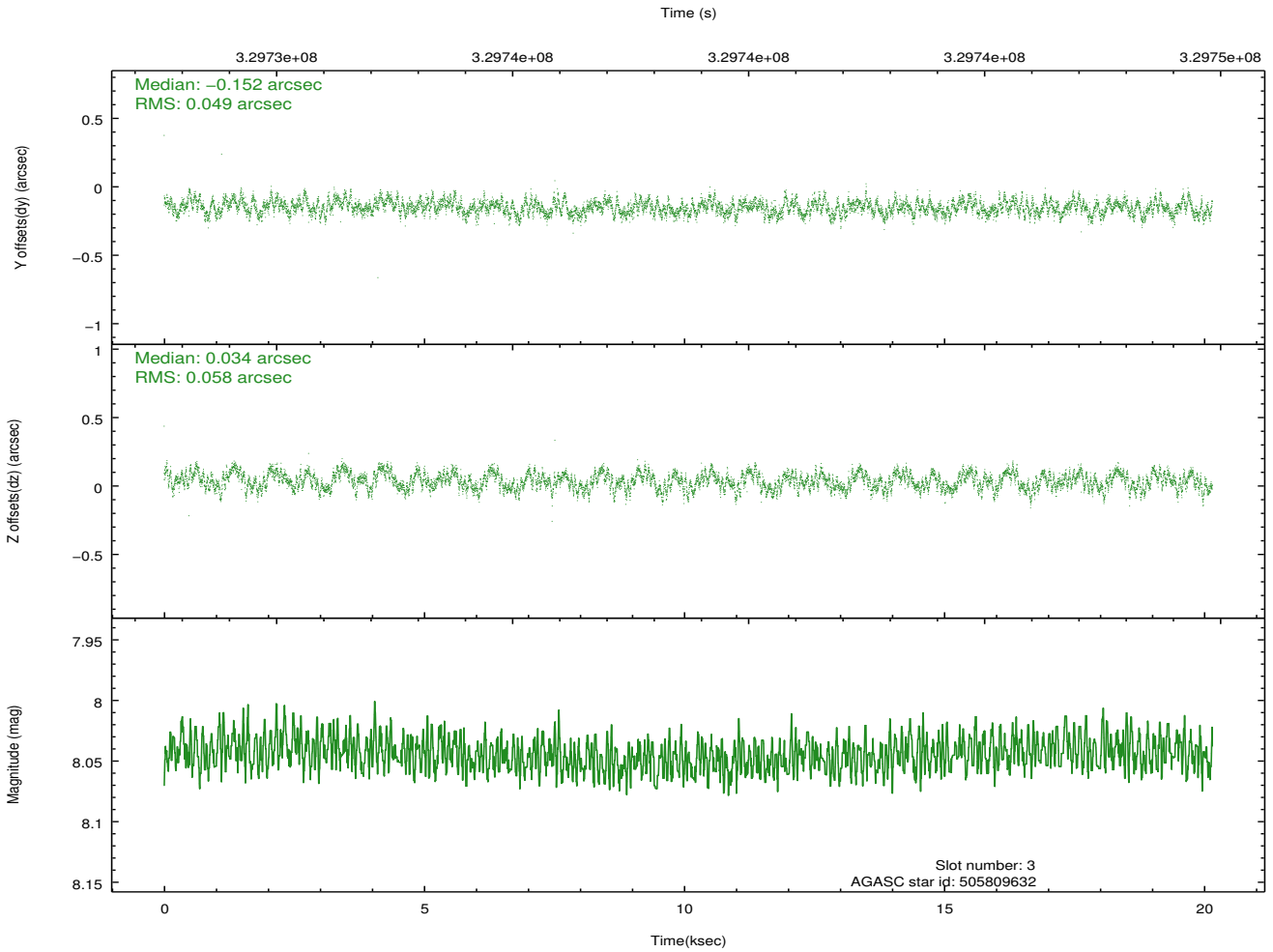
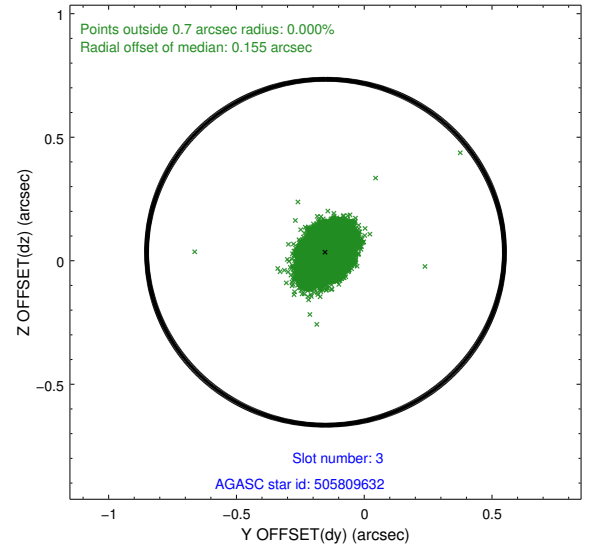
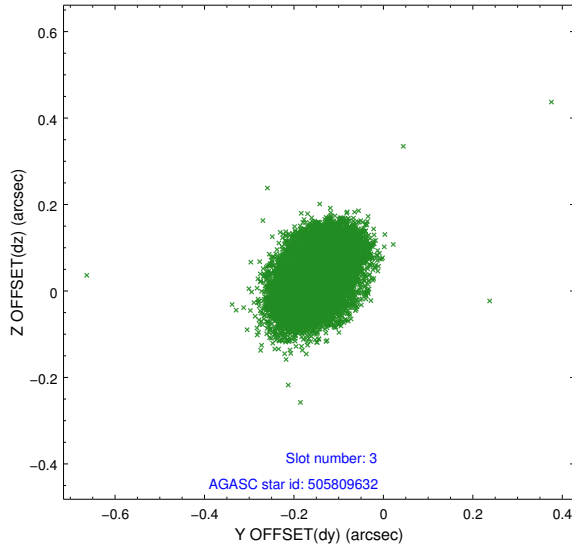


Slot Statistics

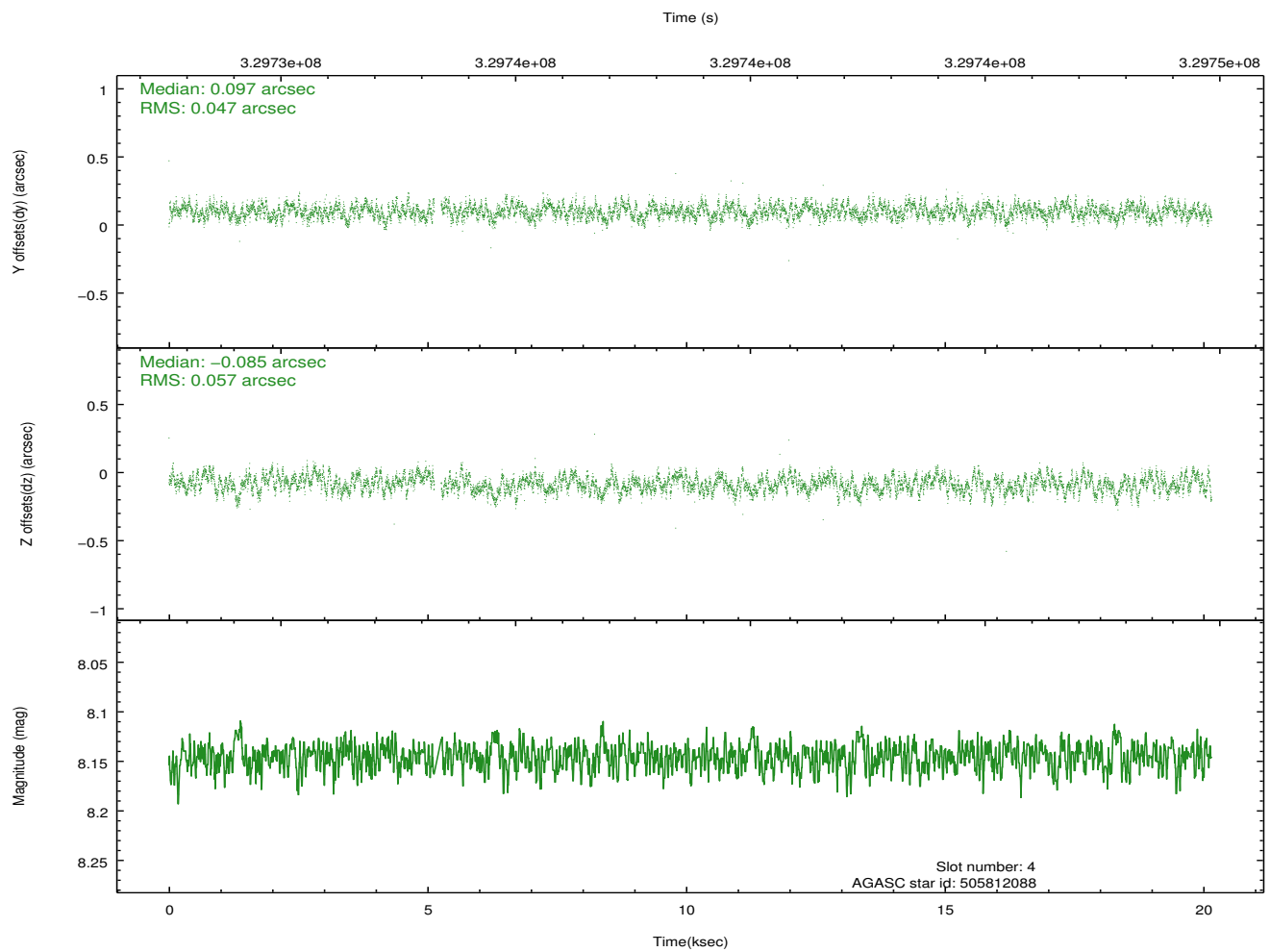
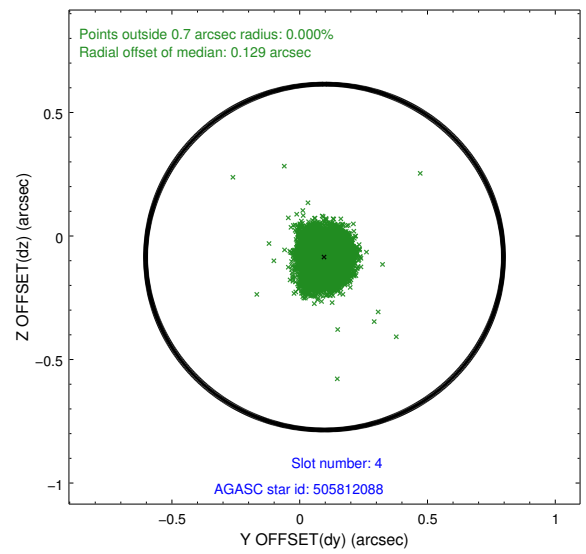
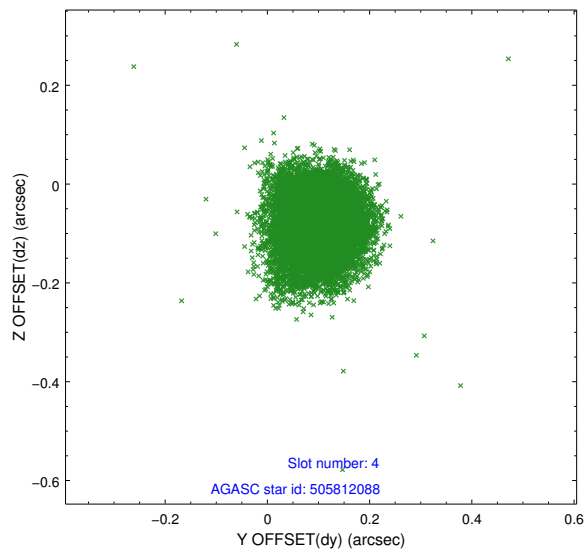
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	4916	0.013	0.014	0.012	0.024	0.000000	0.000000	925.87	-838.47
1	FID	ACIS-I-5	6.99	4917	-0.200	0.023	0.008	0.015	0.000000	0.000000	-1822.36	1058.91
2	FID	ACIS-I-6	7.00	4915	0.097	0.032	0.012	0.021	0.000000	0.000000	391.28	1703.65
3	GUIDE	505809632	8.05	9832	-0.152	0.034	0.081	0.128	215.499426	53.521185	-1856.81	-792.39
4	GUIDE	505812088	8.15	9763	0.097	-0.085	0.079	0.125	214.186617	53.263562	895.10	-1901.99
5	GUIDE	505812376	7.66	9833	0.107	-0.134	0.075	0.119	214.039537	52.937930	1901.47	-1221.63
6	GUIDE	505815928	8.34	9826	-0.145	0.037	0.068	0.107	216.234742	53.074559	-2060.50	1454.03
7	GUIDE	455871352	8.10	9831	0.094	0.150	0.074	0.116	215.099961	52.172669	1918.40	2381.38

2.4 Star Slots

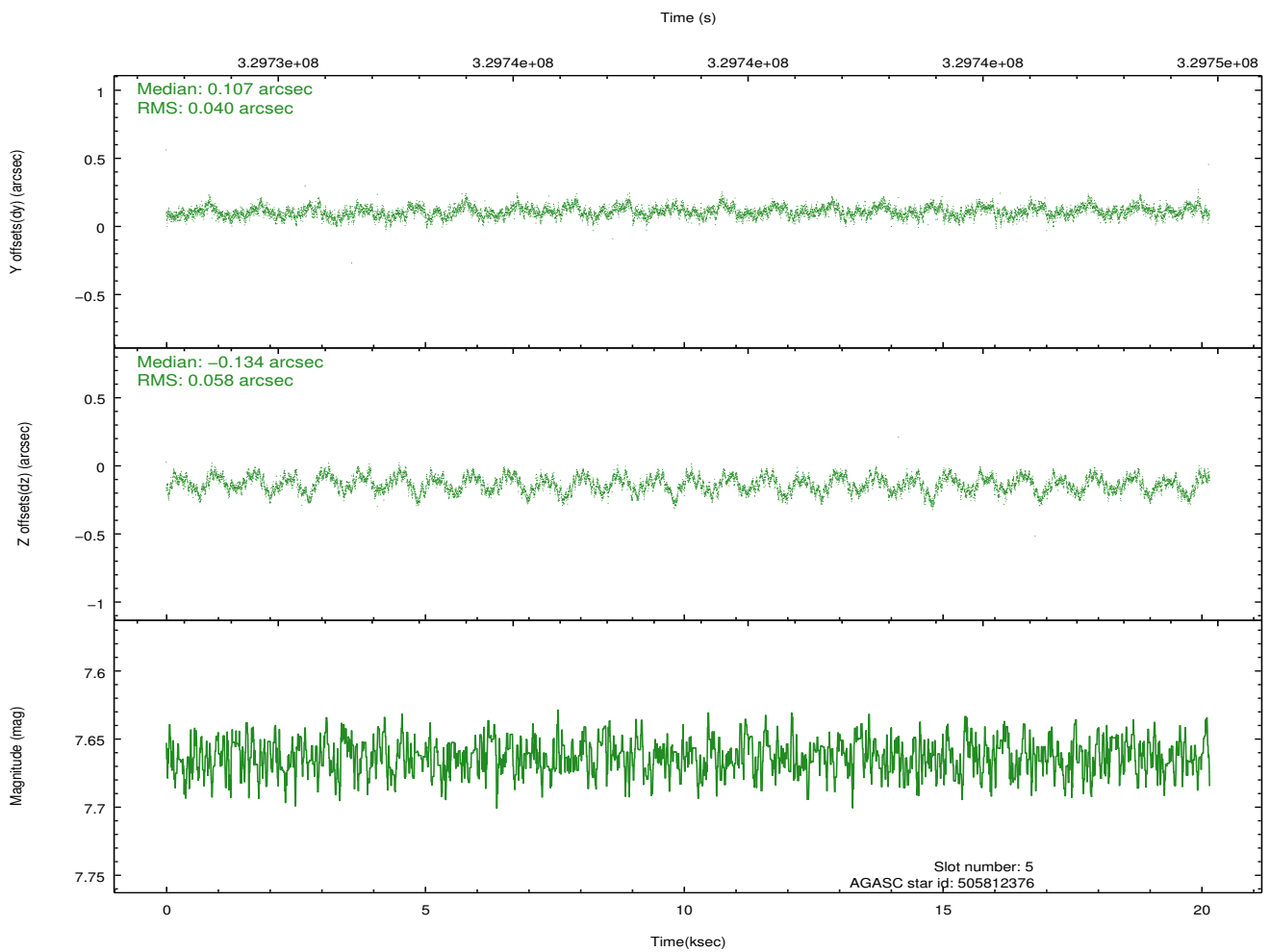
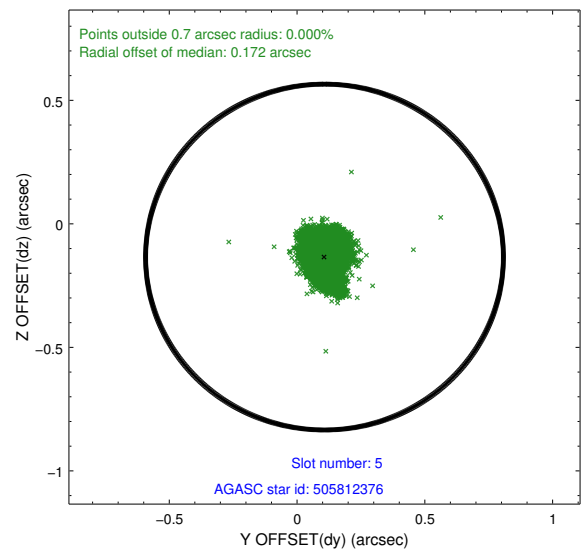
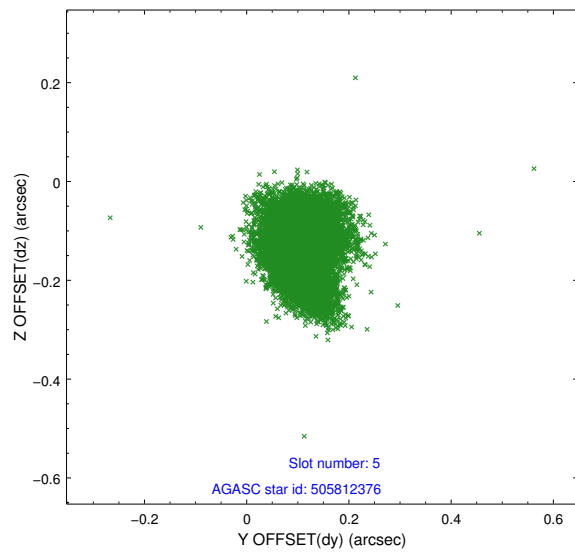
2.4.1 Slot 3



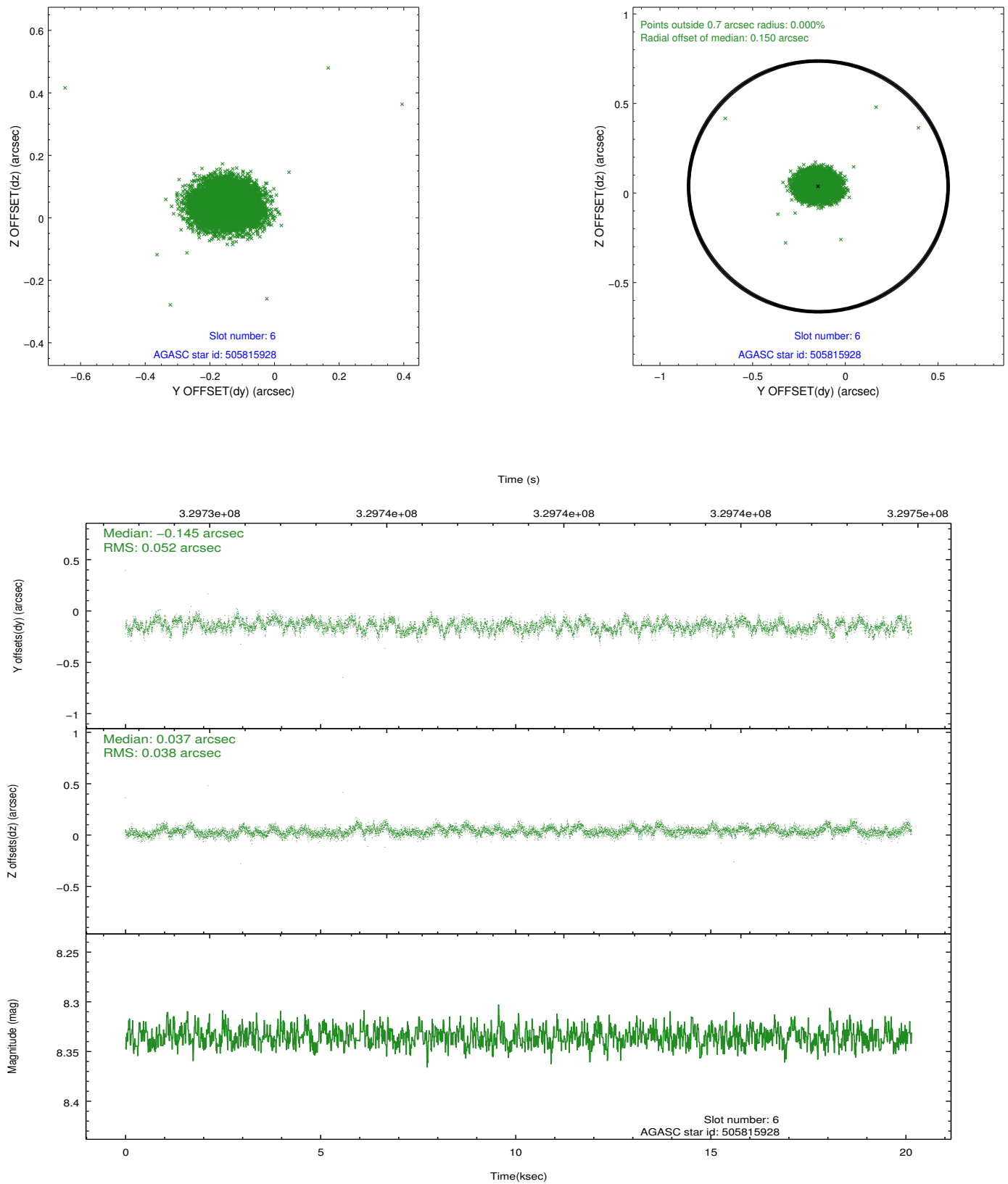
2.4.2 Slot 4



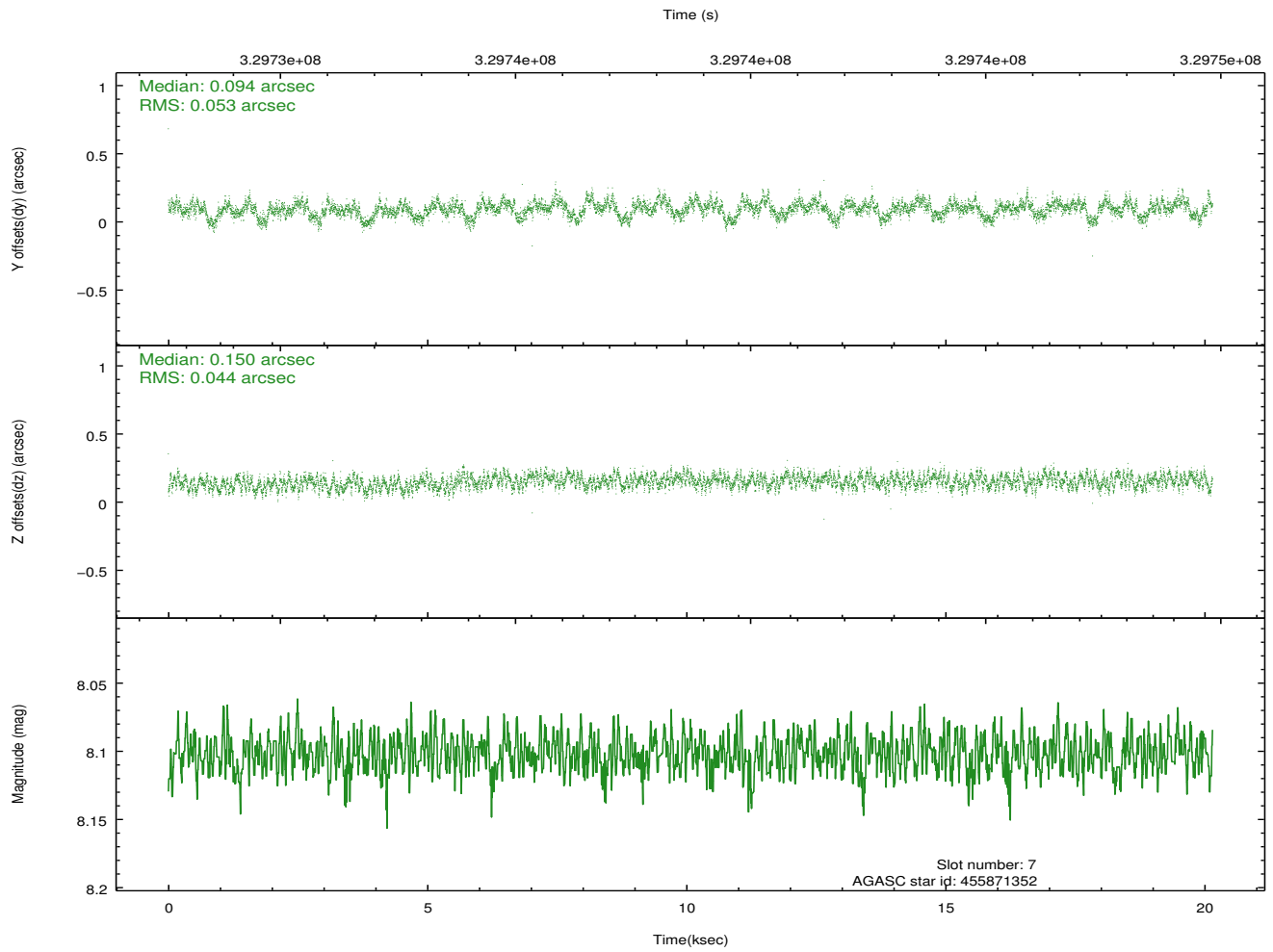
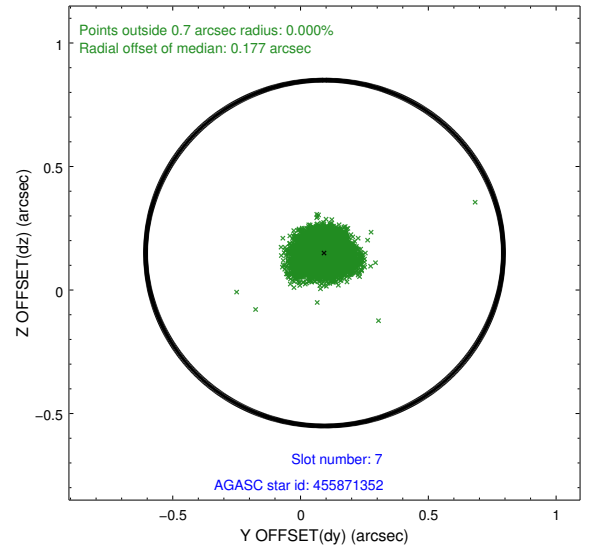
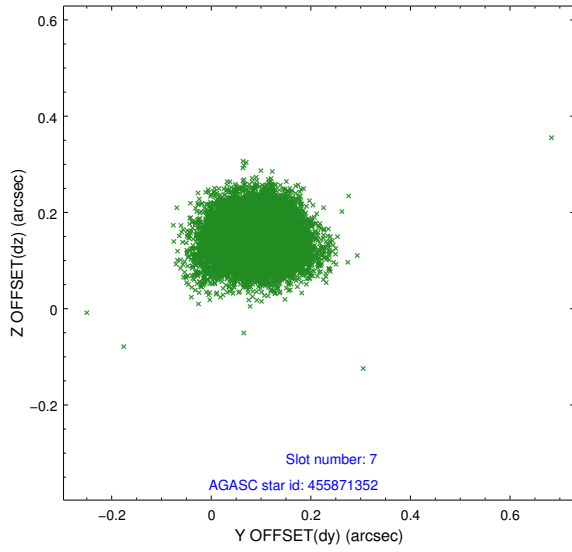
2.4.3 Slot 5



2.4.4 Slot 6

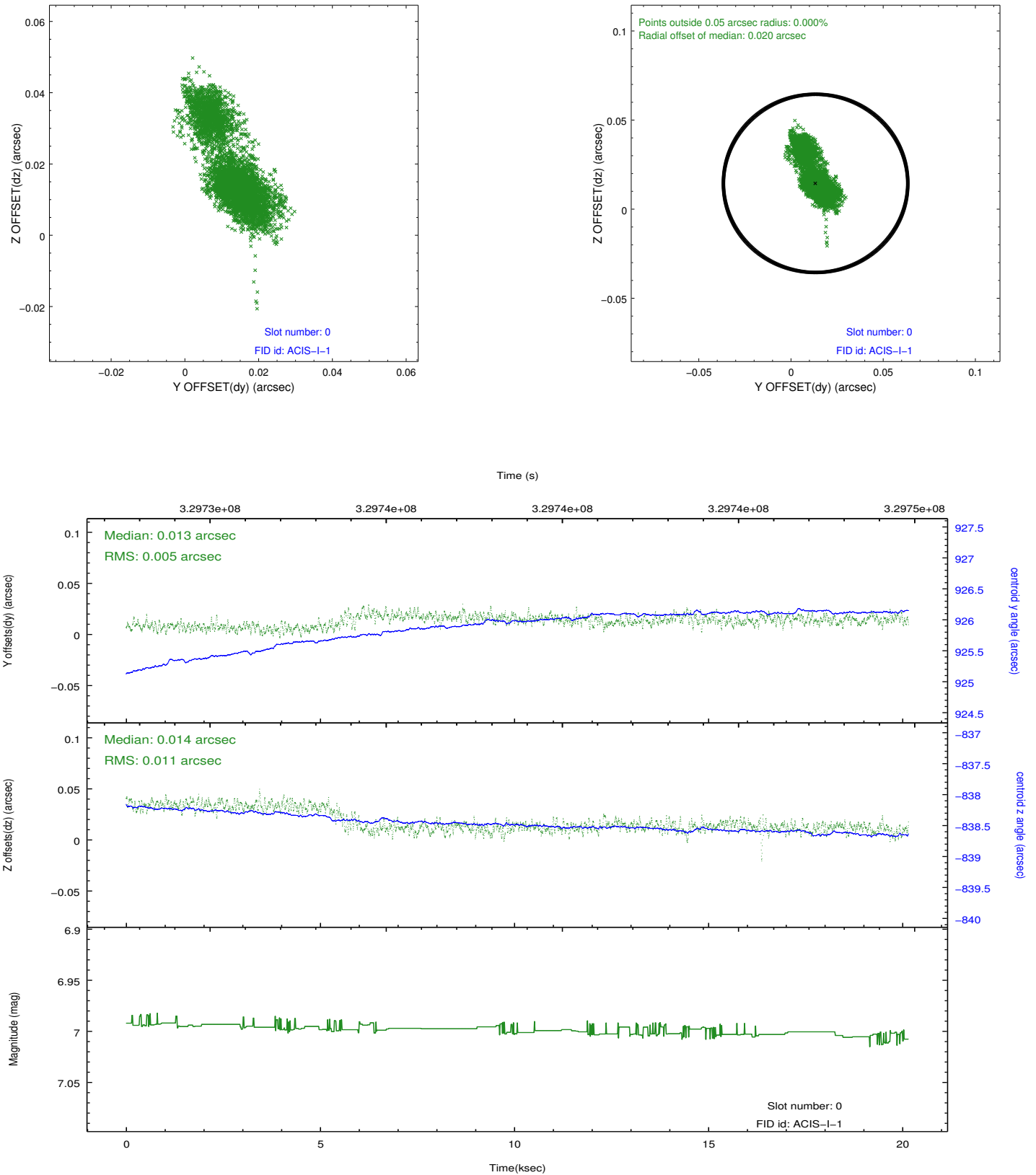


2.4.5 Slot 7

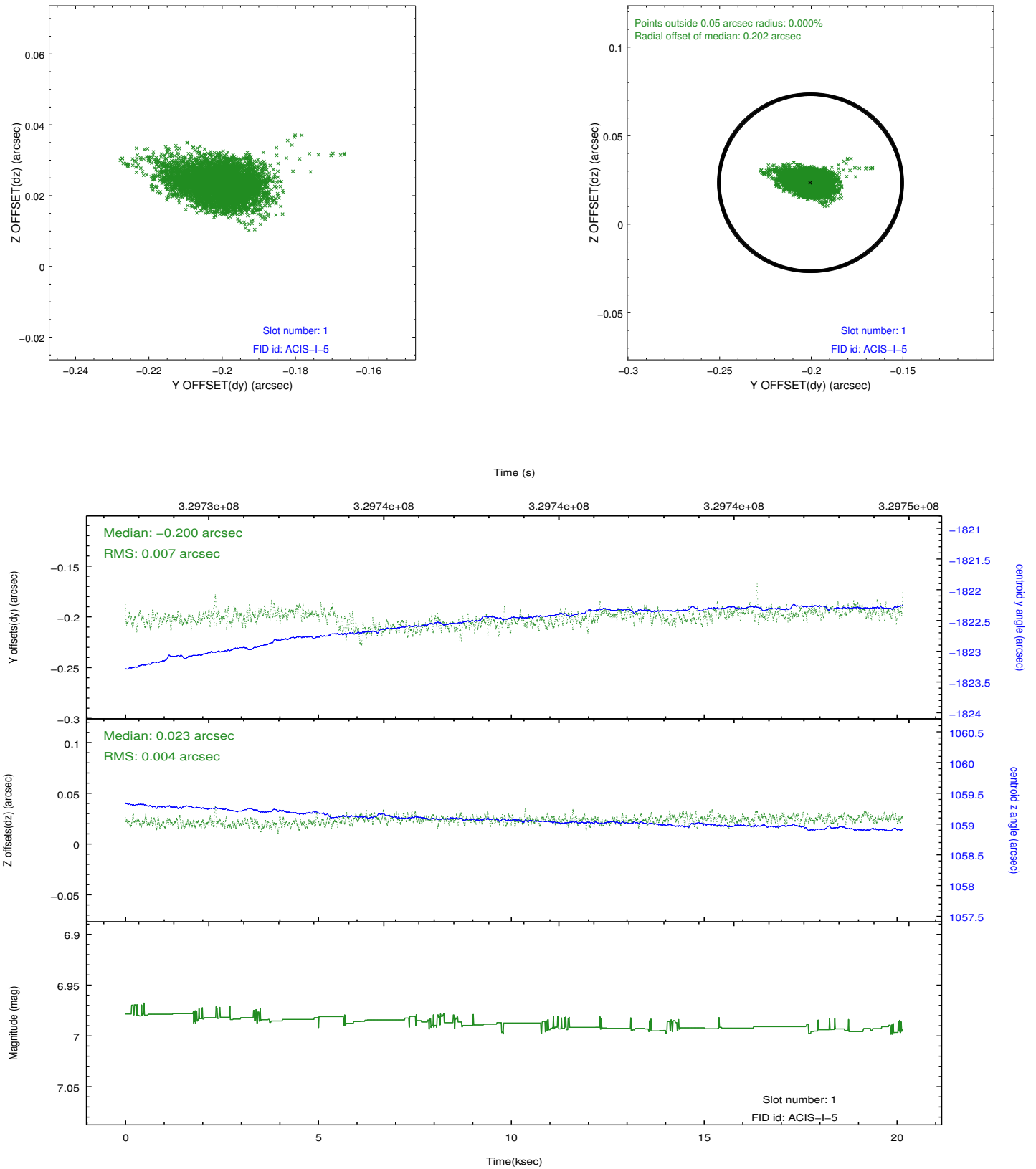


2.5 FID Slots

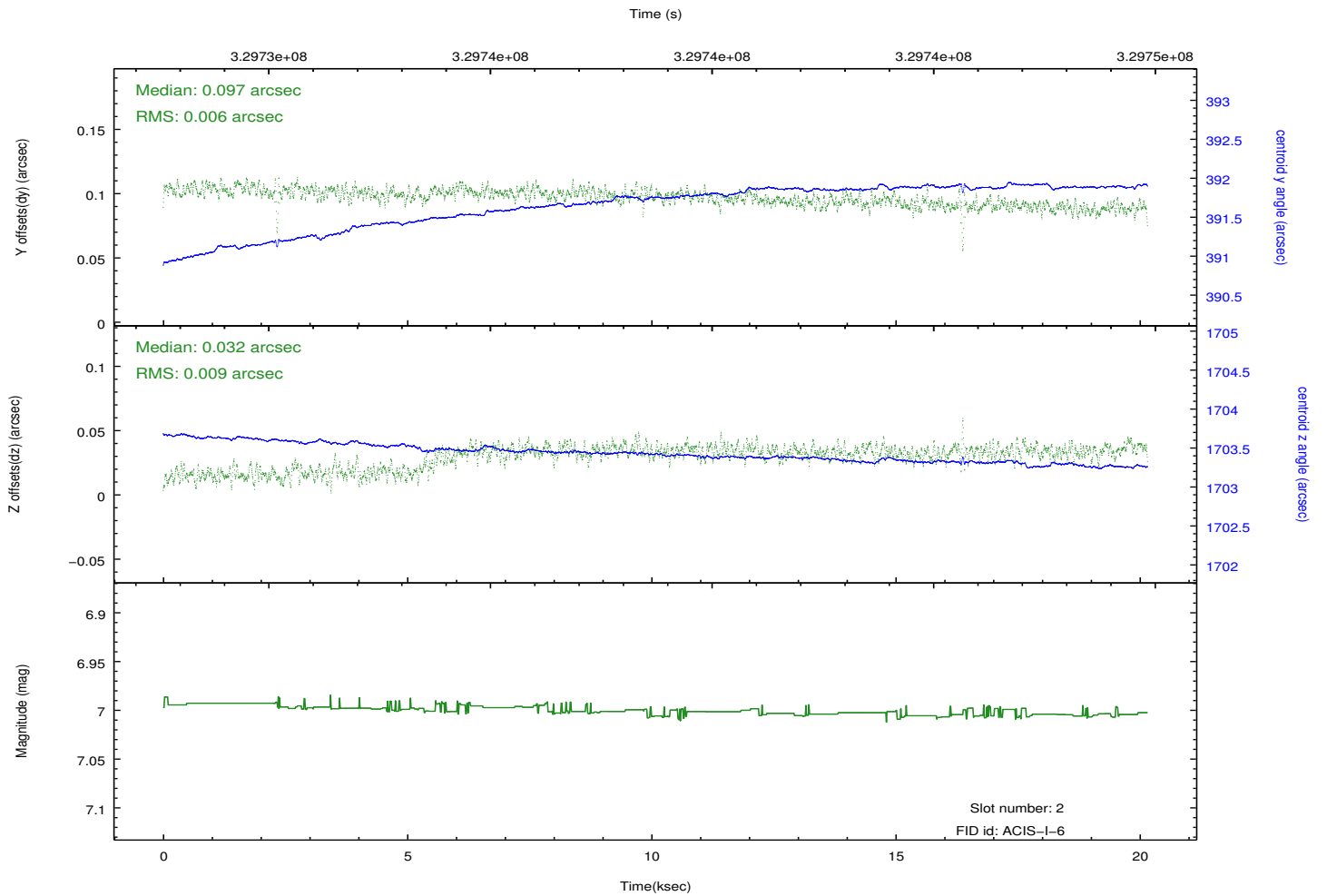
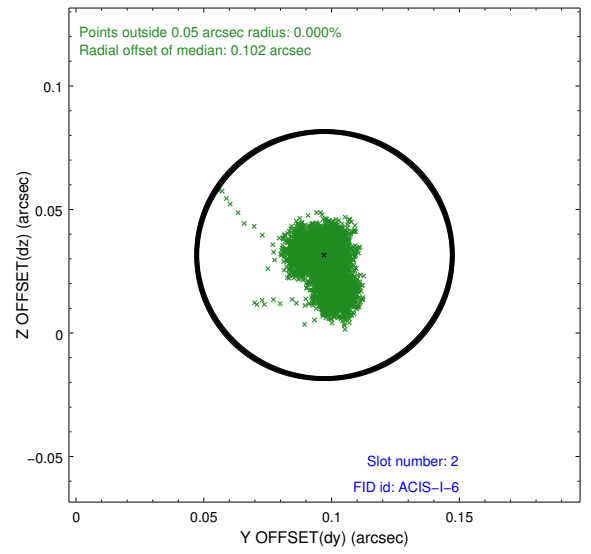
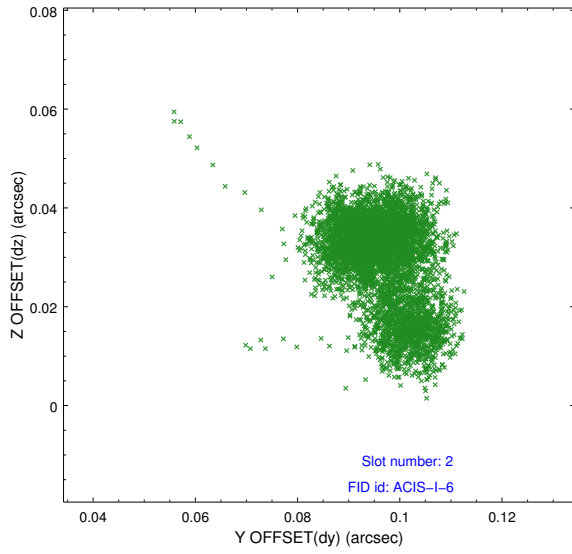
2.5.1 Slot 0



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	20.1500001

A.2 Comments

Joint proposal with Spitzer. Roll constraint met.