

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9863 - L2 Version 2
Chandra X-Ray Center

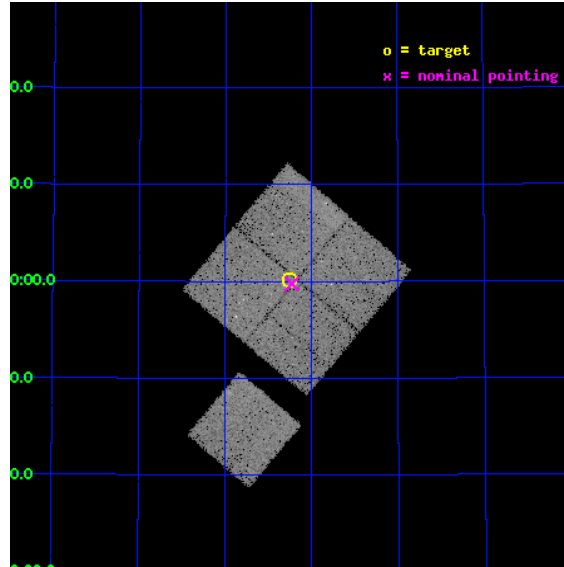
L2 Processing Date : May 16 2012

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1 Front

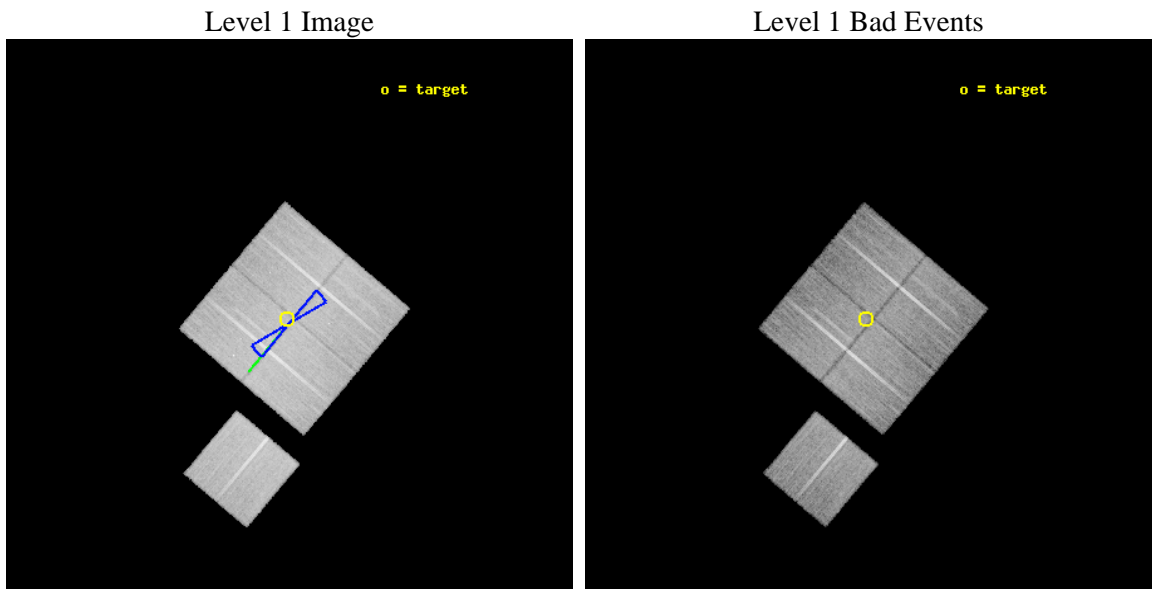
seq_num	900796	Sequence number
obs_id	9863	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.0573263456	Nominal RA [deg]
dec_nom	52.995873197061	Nominal Dec [deg]
roll_nom	220.21449017198	Nominal Roll [deg]
revision	2	Processing version of data
ontime	22300.047387064	Sum of GTIs [s]
livetime	22008.680850895	Livetime [s]
ontime0	22296.783296704	Sum of GTIs [s]
ontime1	22296.824306786	Sum of GTIs [s]
ontime2	22296.865356863	Sum of GTIs [s]
ontime3	22300.047387064	Sum of GTIs [s]
ontime6	22296.742236793	Sum of GTIs [s]
l2events	75365	Number of level 2 events



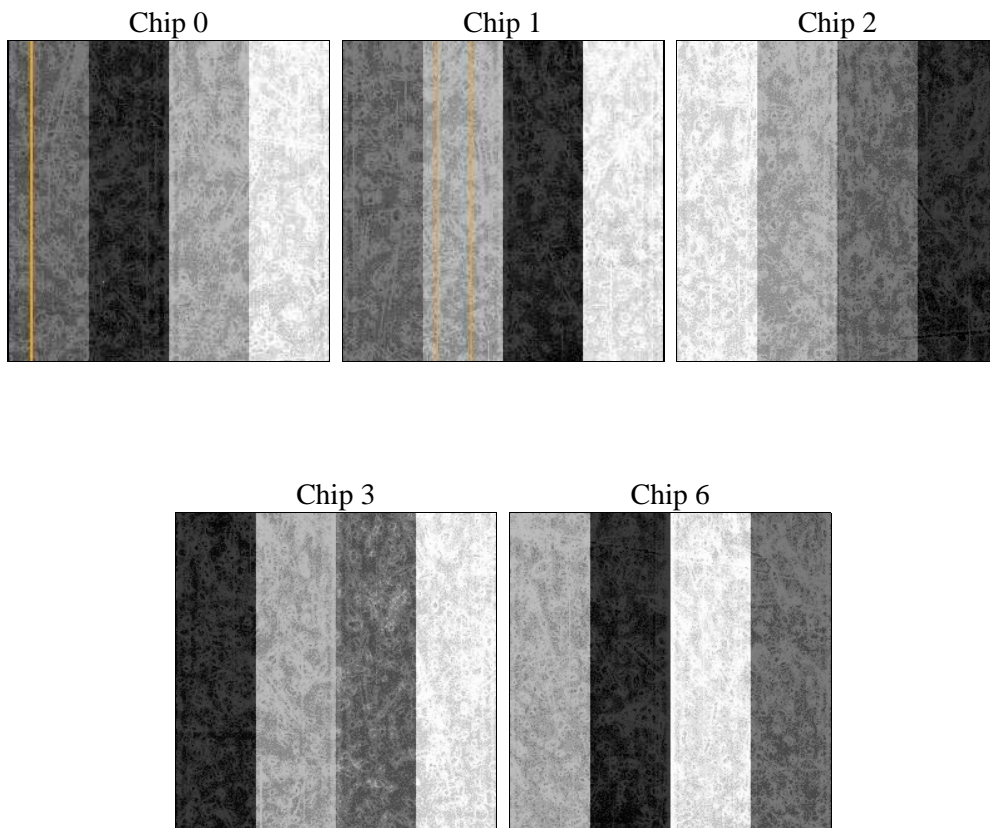
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22229.275000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	22300.047387064	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	22296.783296704	Sum of GTIs [s]
date	2012-05-16T03:51:49	Date and time of file creation	ontime1	22296.824306786	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	22296.865356863	Sum of GTIs [s]
			ontime3	22300.047387064	Sum of GTIs [s]
			ontime6	22296.742236793	Sum of GTIs [s]
			l1events	865018	Number of level 1 events

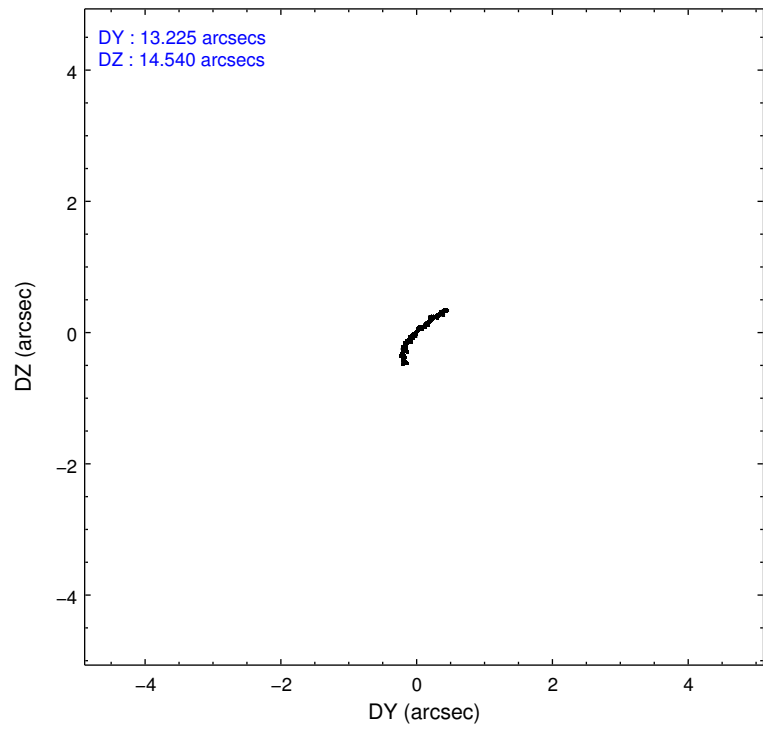
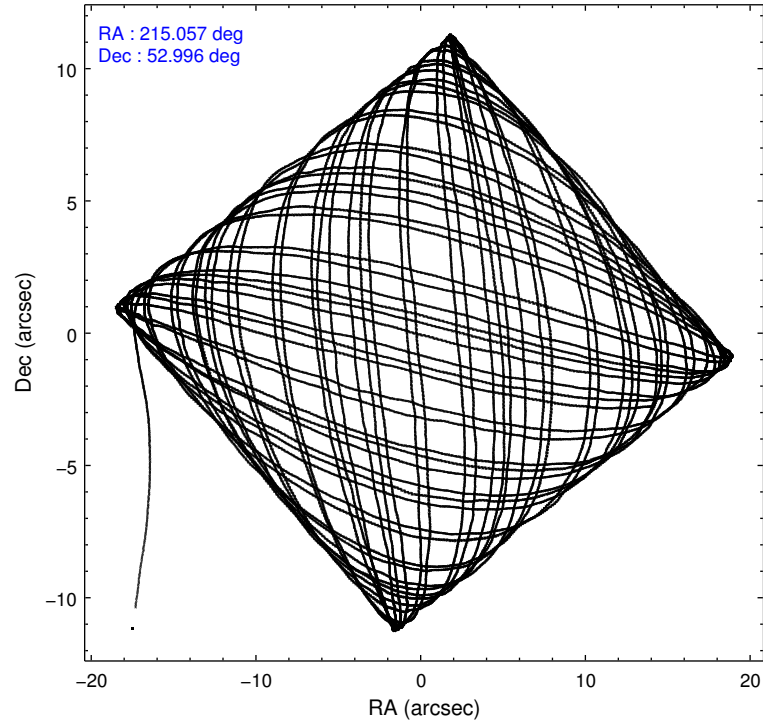
2.1.4 Events

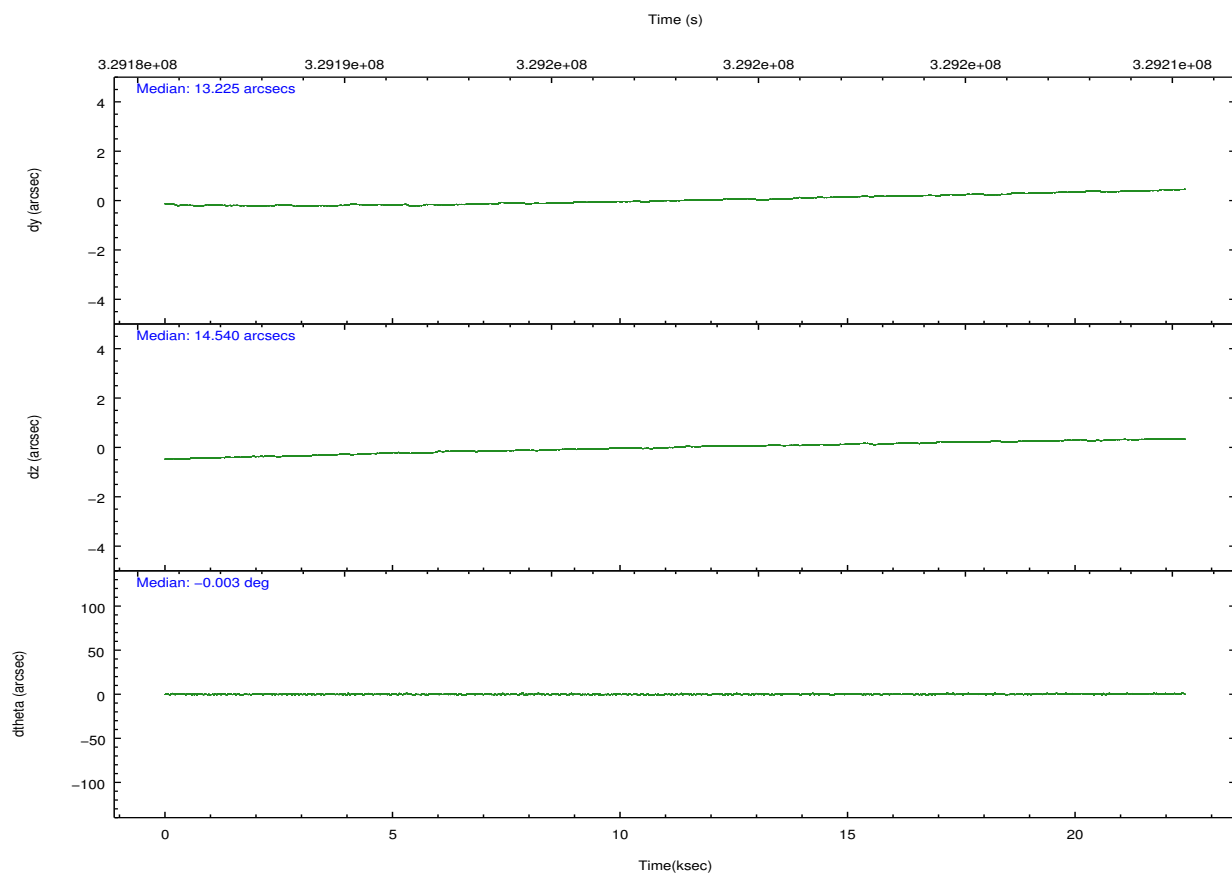
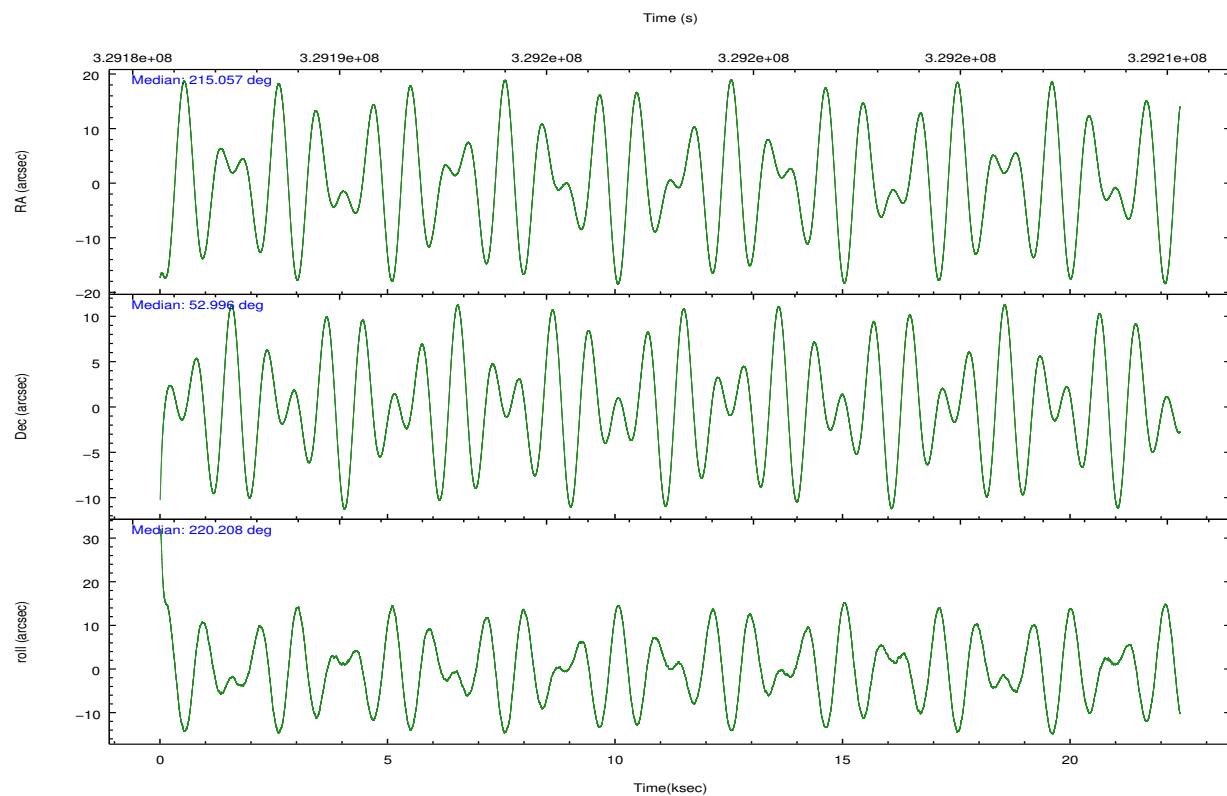
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	164651	161788	186612	175077	176890	grade 0 events	6289	7289	6149	6201	6203
rejected events	146706	141616	169165	157783	158854		3%	4%	3%	3%	3%
rejected %	89%	87%	90%	90%	89%	grade 1 events	107	87	104	106	93
							0%	0%	0%	0%	0%
						grade 2 events	4438	4626	4289	3749	4029
							2%	2%	2%	2%	2%
						grade 3 events	2039	2153	1863	1938	1982
							1%	1%	0%	1%	1%
						grade 4 events	1747	2098	1849	1959	1987
							1%	1%	0%	1%	1%
						grade 5 events	6447	6836	5866	7287	7265
							3%	4%	3%	4%	4%
						grade 6 events	3434	4007	3299	3450	3840
							2%	2%	1%	1%	2%
						grade 7 events	140150	134692	163193	150387	151491
							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	215.0573263455979	CCD I2 on	Y	Y
[deg] Pointing Dec	53.021792	52.99587319706073	CCD I3 on	Y	Y
[deg] Pointing Roll	219.993539	220.2144901719763	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)	329186969.184000	329186027.30431	Subarray requested	NONE	NONE
Observation start date	2008-06-07T00:48:24	2008-06-07T00:33:47	Alternating exposures requested	N	N
[s] Observation end time (MET)	329209199.184000	329209439.33045	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-06-07T06:58:54	2008-06-07T07:03:59			
Read mode	TIMED	TIMED			

2.3 Aspect



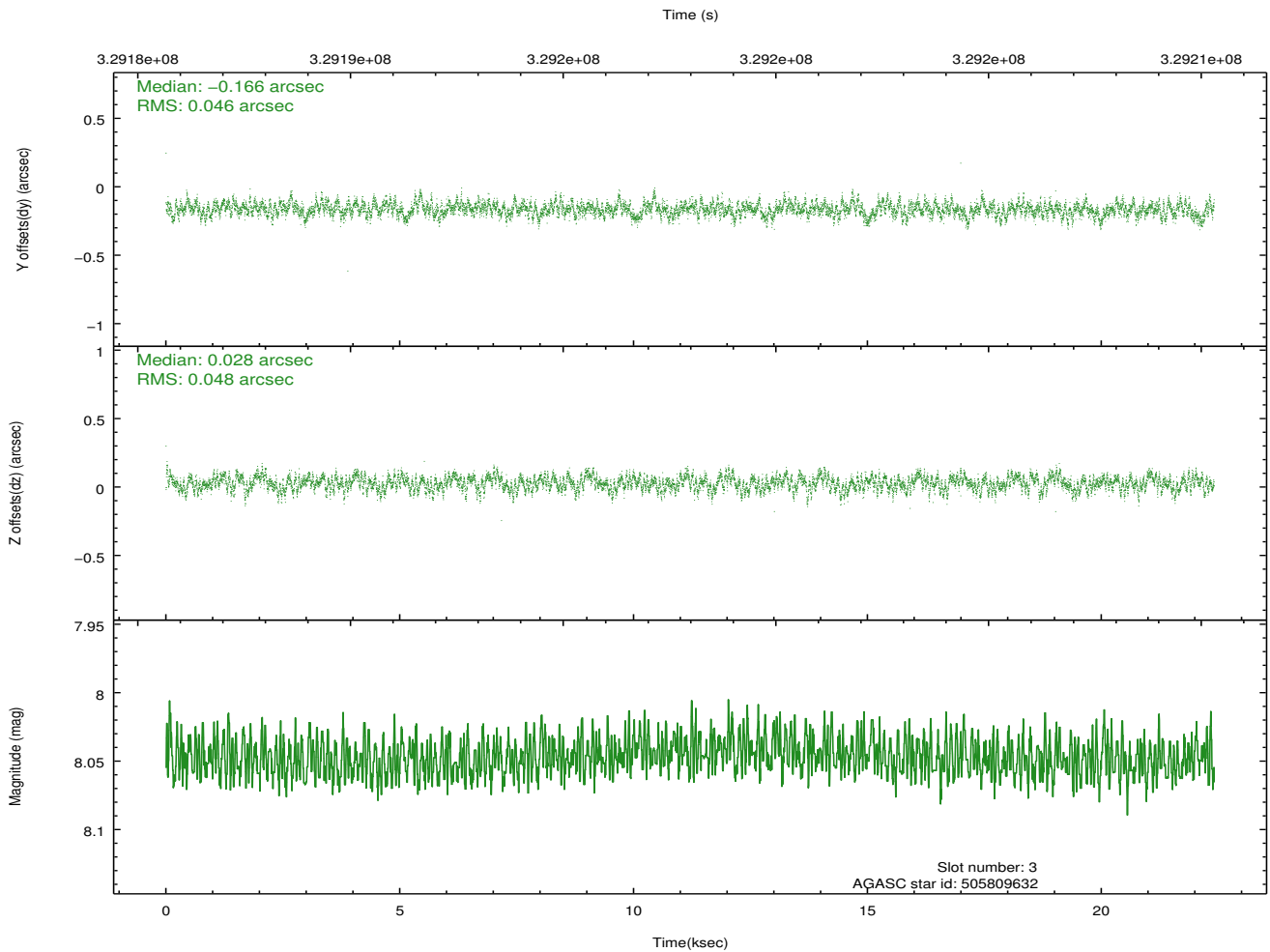
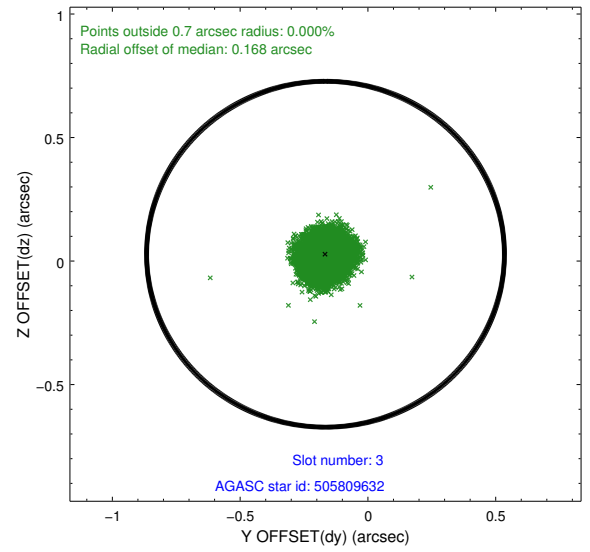
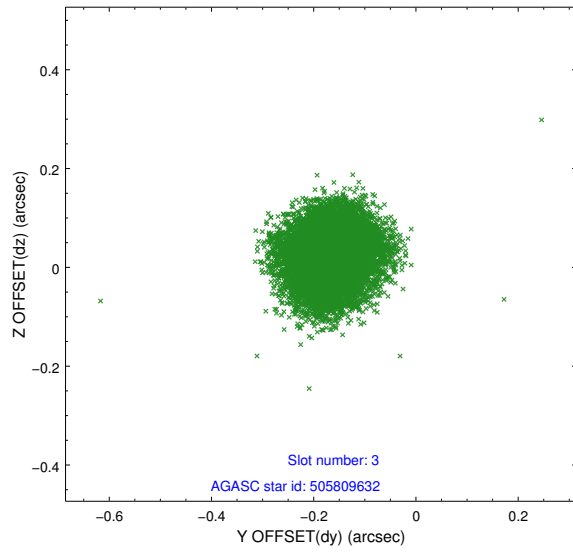


Slot Statistics

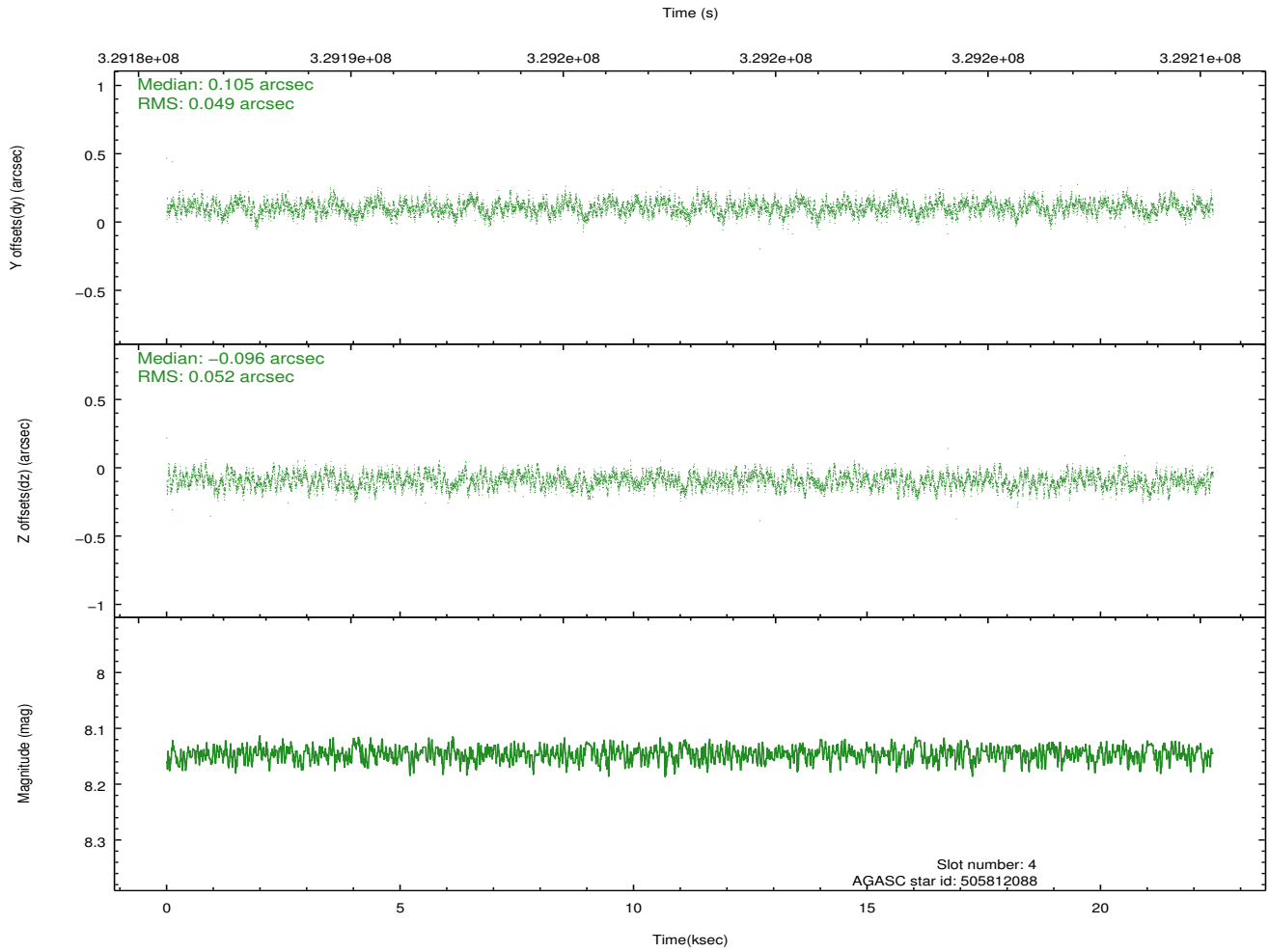
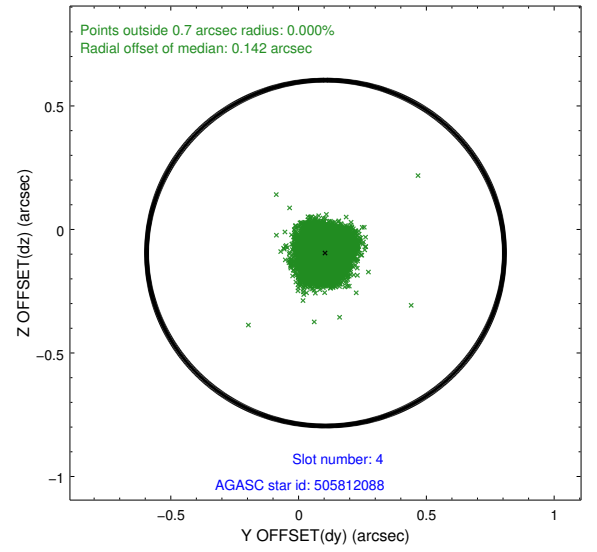
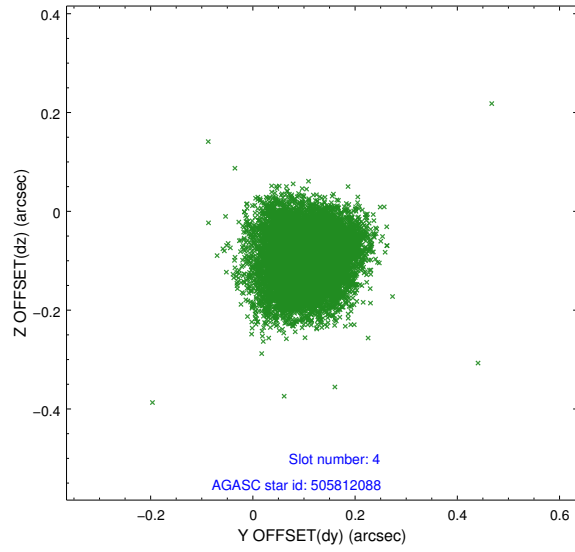
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	5465	0.004	0.037	0.013	0.021	0.000000	0.000000	926.26	-838.06
1	FID	ACIS-I-5	7.03	5466	-0.181	0.023	0.011	0.018	0.000000	0.000000	-1821.97	1059.30
2	FID	ACIS-I-6	7.05	5466	0.087	0.011	0.013	0.020	0.000000	0.000000	391.69	1703.99
3	GUIDE	505809632	8.05	10930	-0.166	0.028	0.072	0.112	215.499426	53.521185	-1856.89	-792.40
4	GUIDE	505812088	8.15	10929	0.105	-0.096	0.076	0.120	214.186617	53.263562	895.02	-1901.94
5	GUIDE	505812376	7.67	10927	0.126	-0.151	0.052	0.084	214.039537	52.937930	1901.41	-1221.63
6	GUIDE	505815928	8.31	10927	-0.167	0.056	0.054	0.088	216.234742	53.074559	-2060.61	1454.06
7	GUIDE	455871352	8.10	10929	0.101	0.164	0.062	0.097	215.099961	52.172669	1918.37	2381.38

2.4 Star Slots

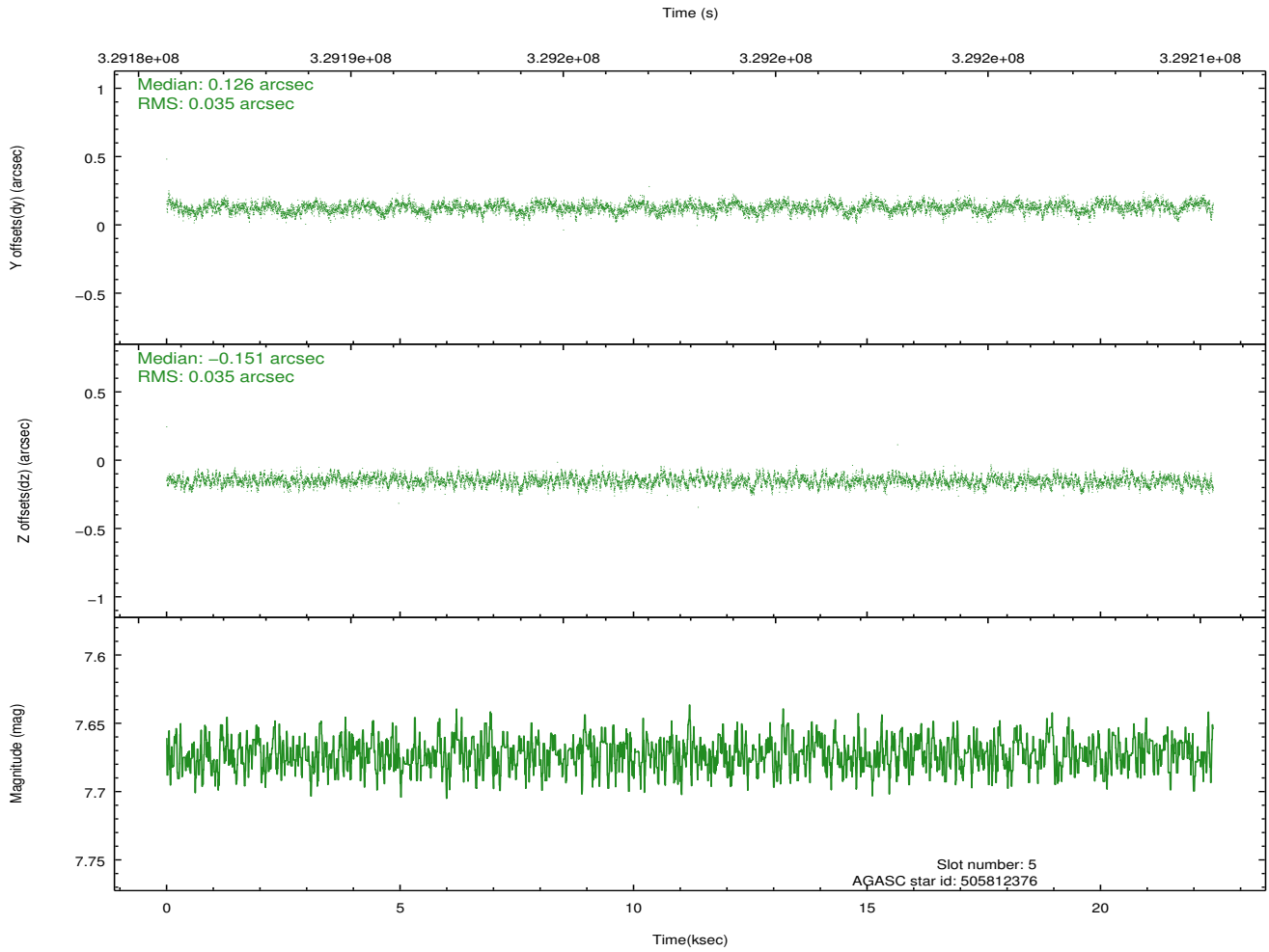
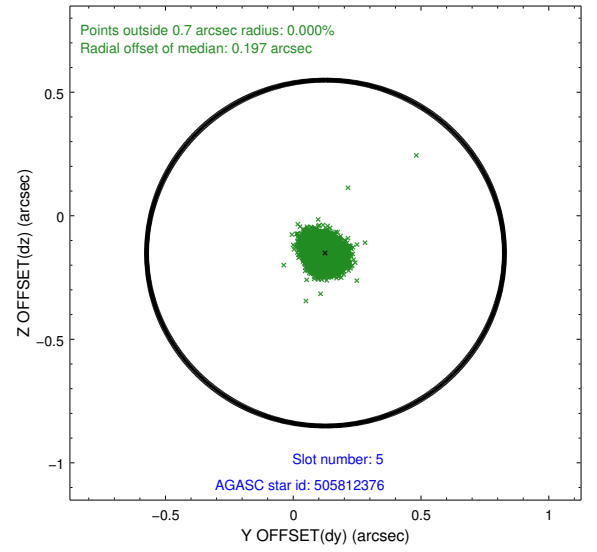
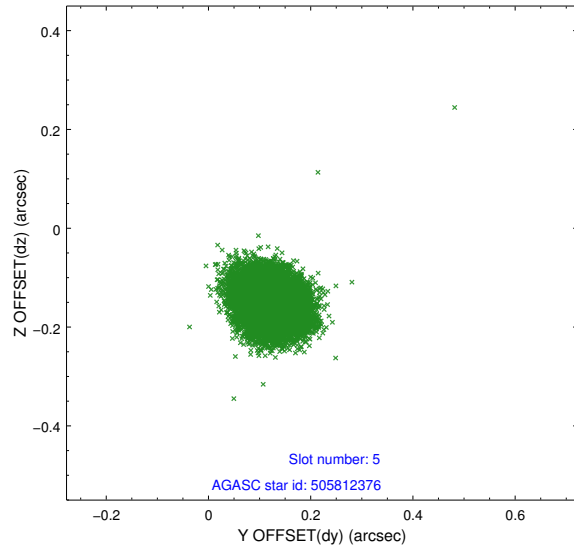
2.4.1 Slot 3



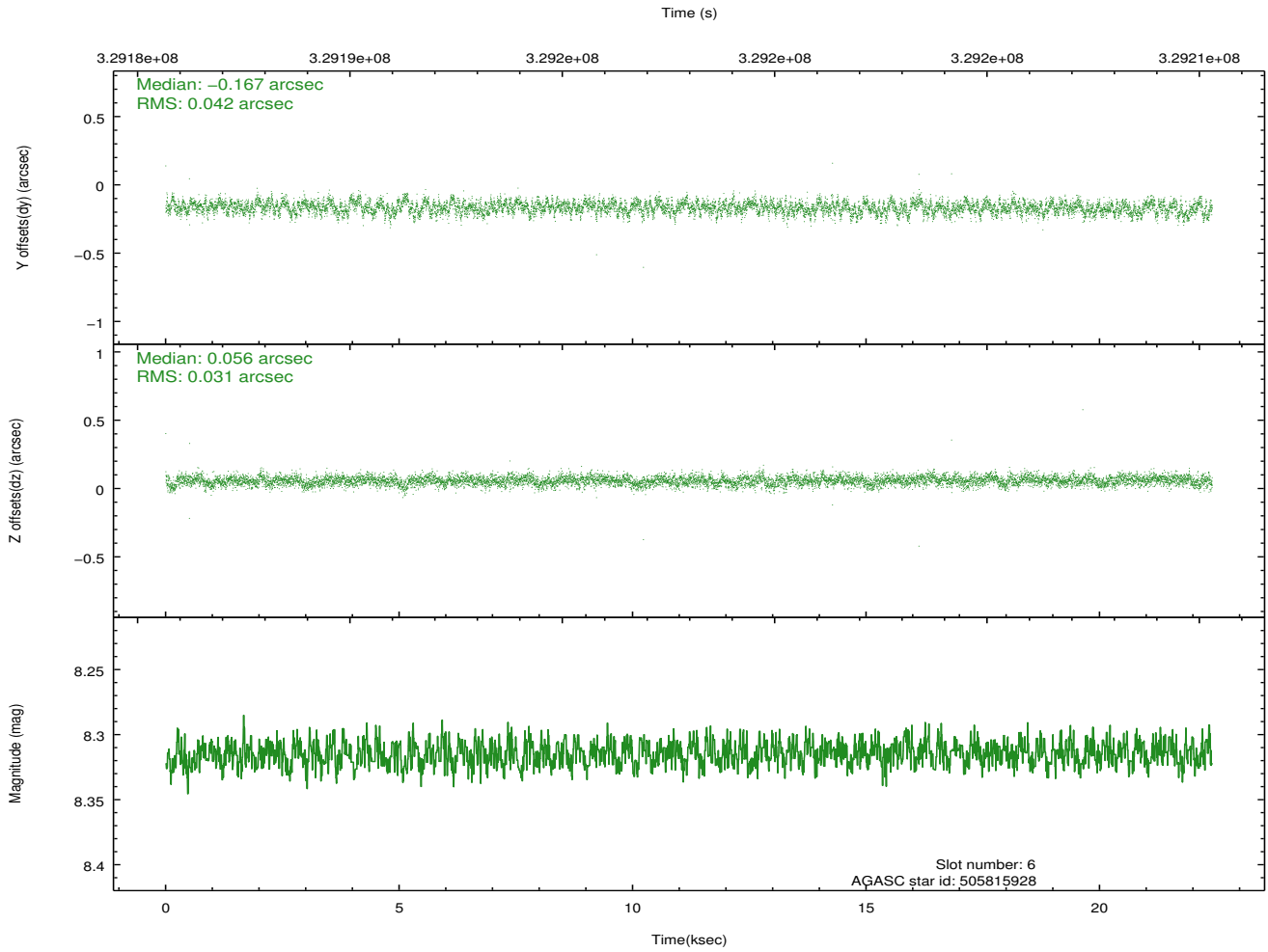
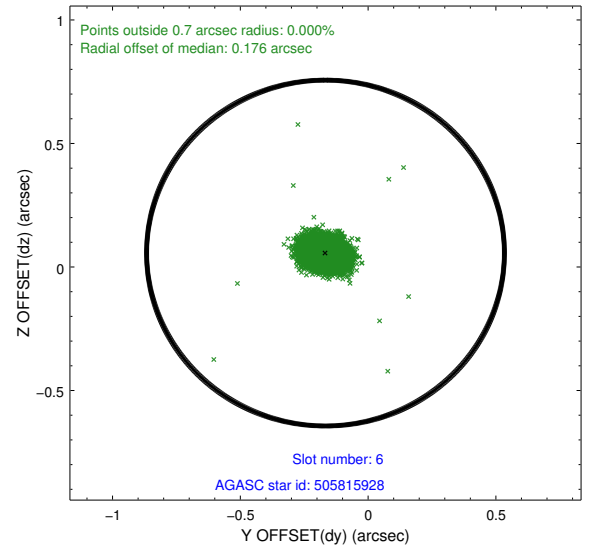
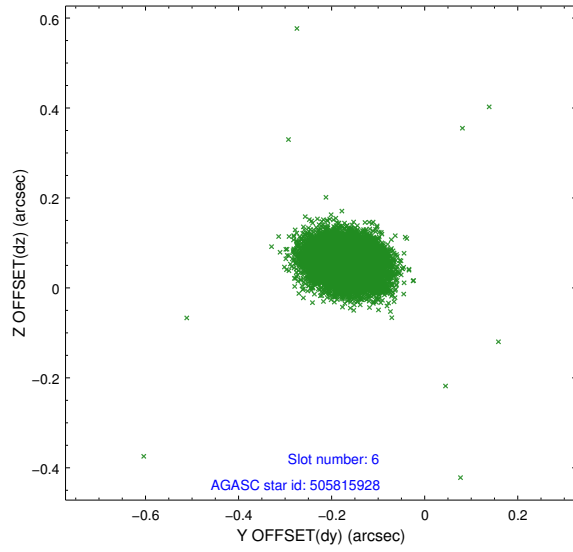
2.4.2 Slot 4



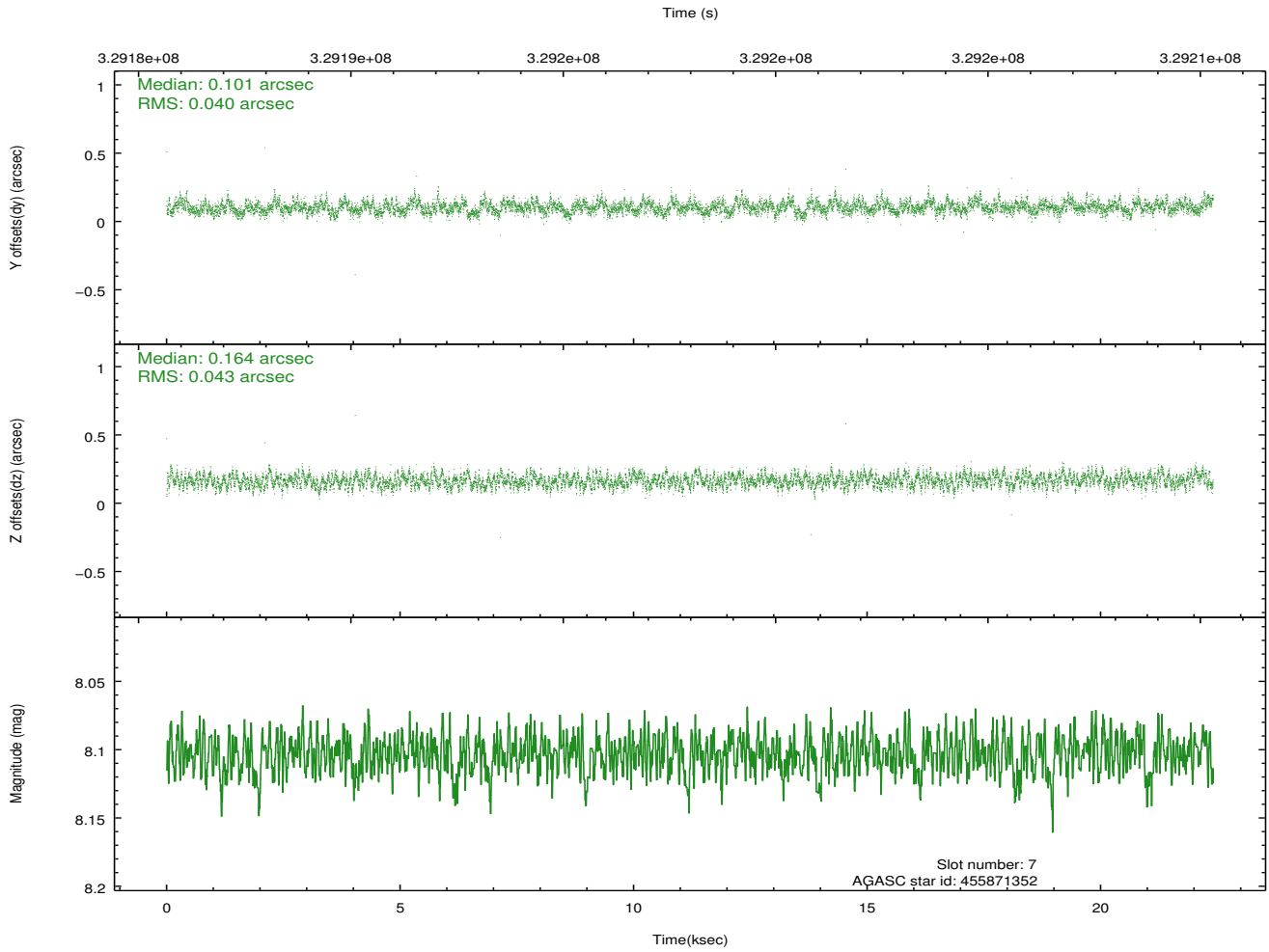
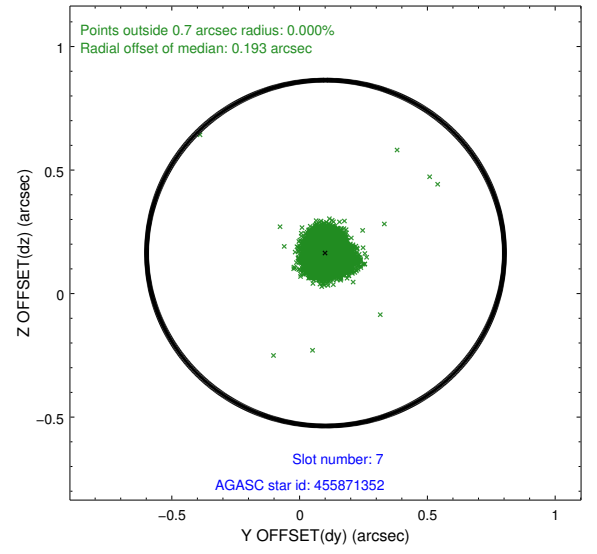
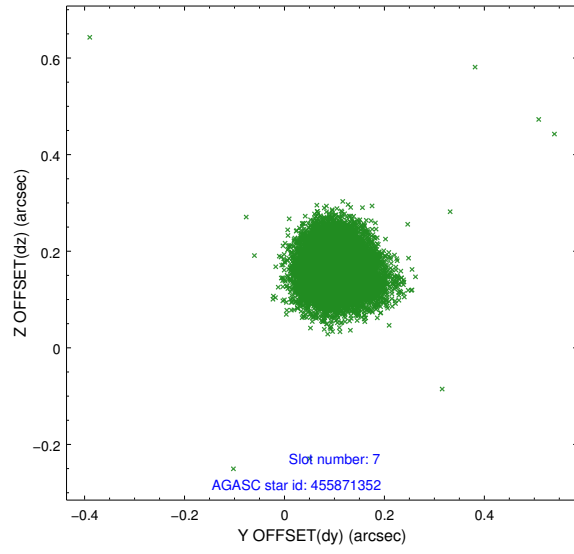
2.4.3 Slot 5



2.4.4 Slot 6

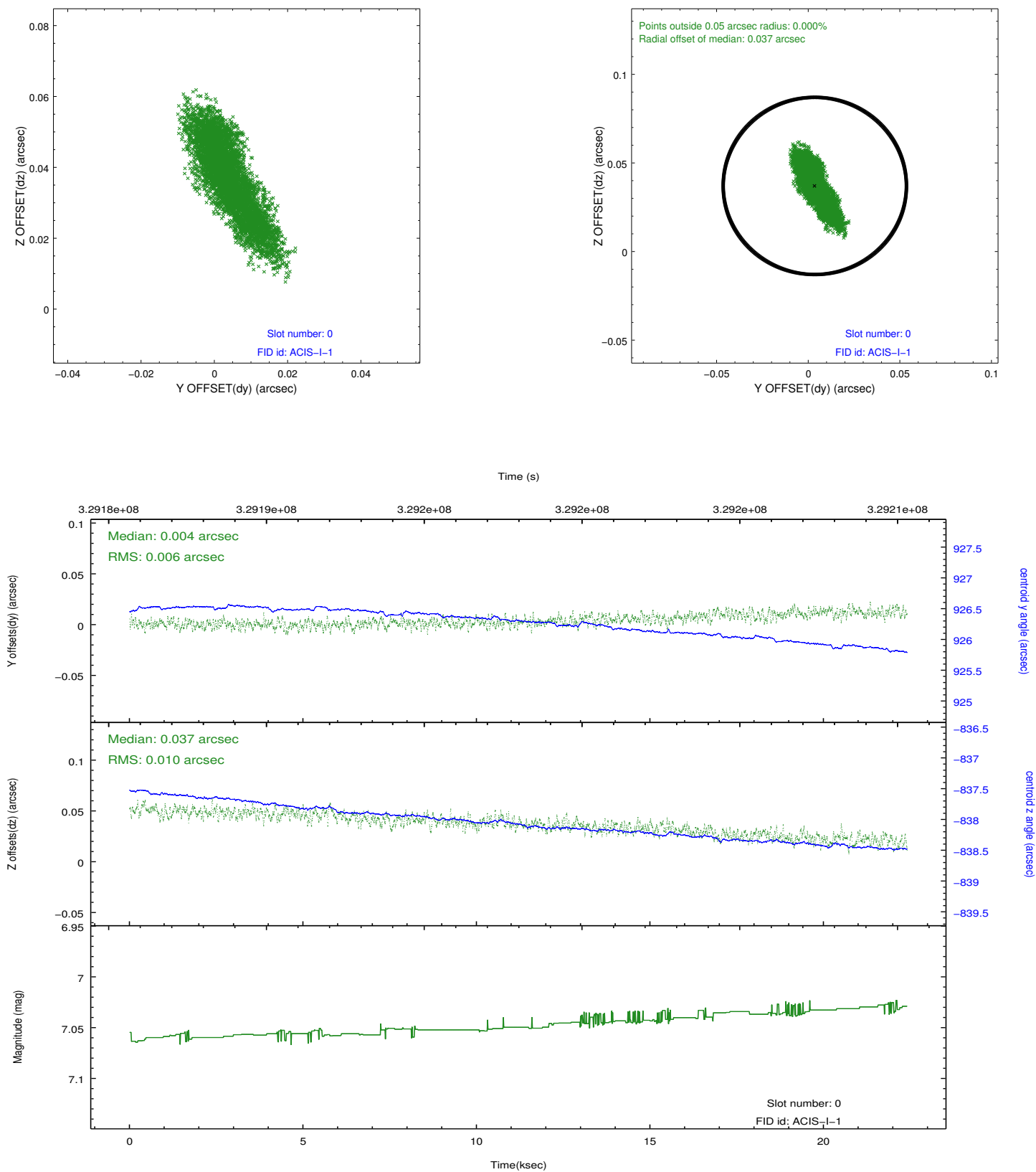


2.4.5 Slot 7

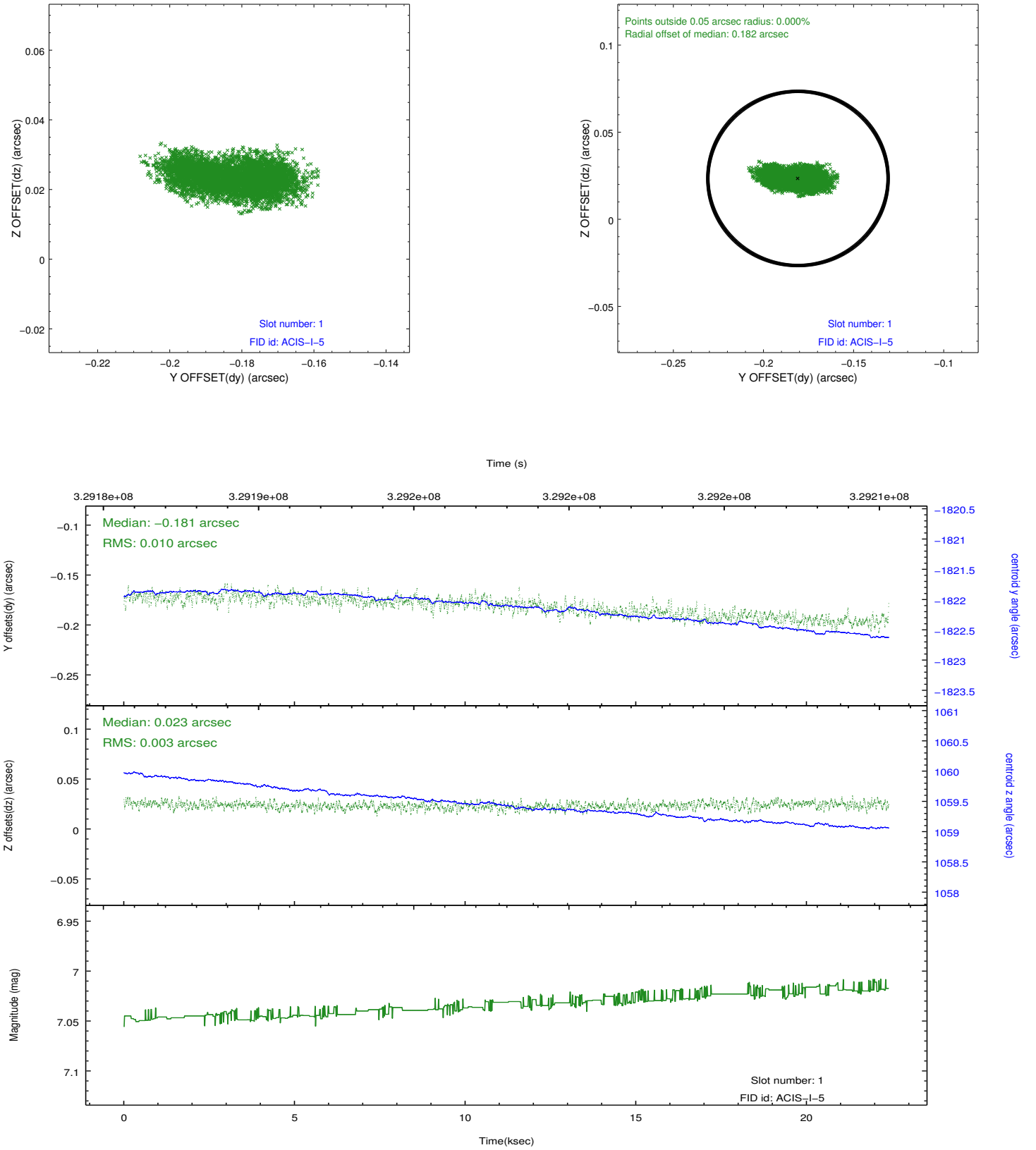


2.5 FID Slots

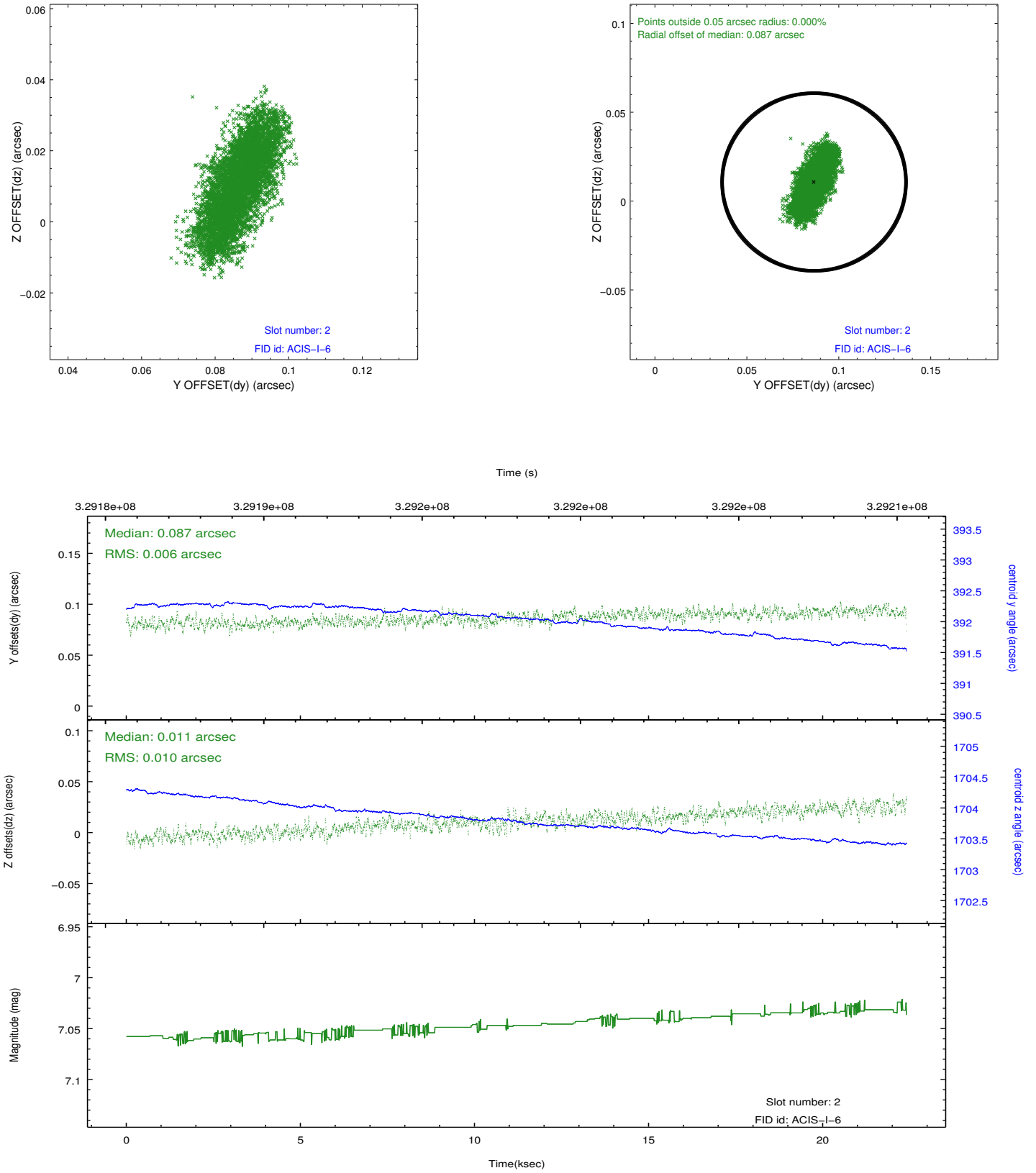
2.5.1 Slot 0



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	22.3014001

A.2 Comments

Joint Proposal: Spitzer. Roll constraint met.