

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18163 - L2 Version 1
Chandra X-Ray Center

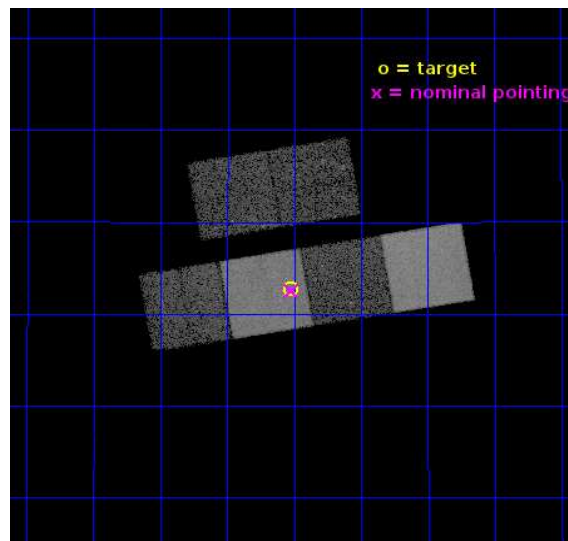
L2 Processing Date : May 30 2016

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1 Front

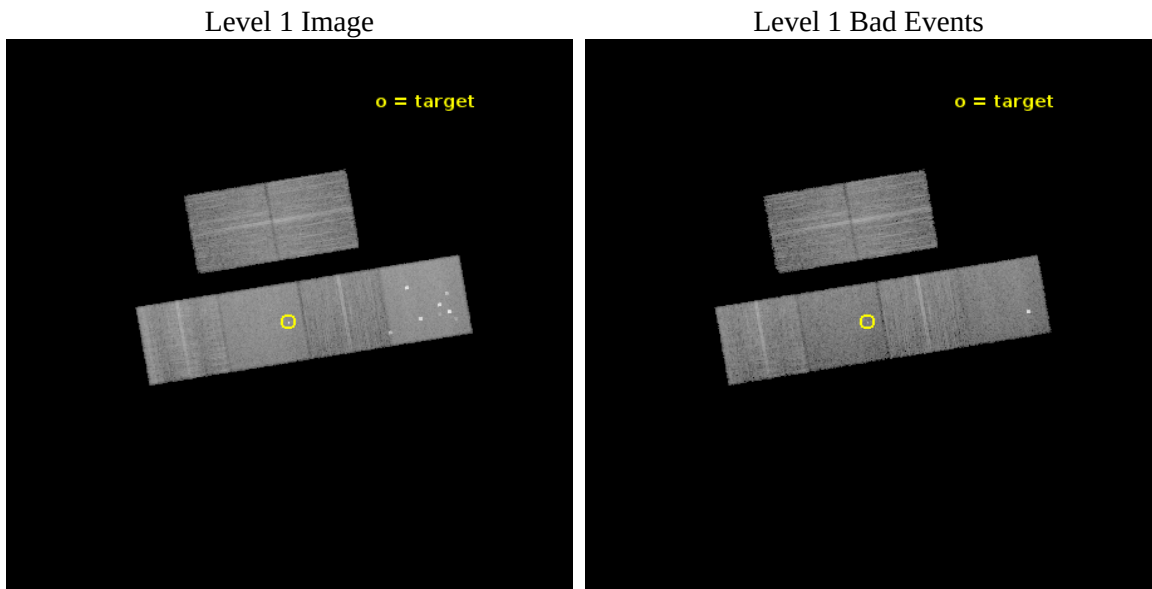
seq_num	703228	Sequence number
obs_id	18163	Observation id
title	Chandra Legacy Survey of Merger Driven AGN Activation in Nearby X-ray Selected AGN	Proposal title
observer	Dr Michael Koss	Principal investigator
object	2MASX J16560158+2112409	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	254.006667	Observer's specified target RA [deg]
dec_targ	21.211389	Observer's specified target Dec [deg]
ra_nom	254.00517983858	Nominal RA [deg]
dec_nom	21.209101948661	Nominal Dec [deg]
roll_nom	170.37982758021	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14960.000222921	Sum of GTIs [s]
livetime	14770.567692268	Livetime [s]
ontime2	14960.000222921	Sum of GTIs [s]
ontime3	14960.000222921	Sum of GTIs [s]
ontime5	14960.000222921	Sum of GTIs [s]
ontime6	14960.000222921	Sum of GTIs [s]
ontime7	14960.000222921	Sum of GTIs [s]
ontime8	14960.000222921	Sum of GTIs [s]
l2events	159349	Number of level 2 events



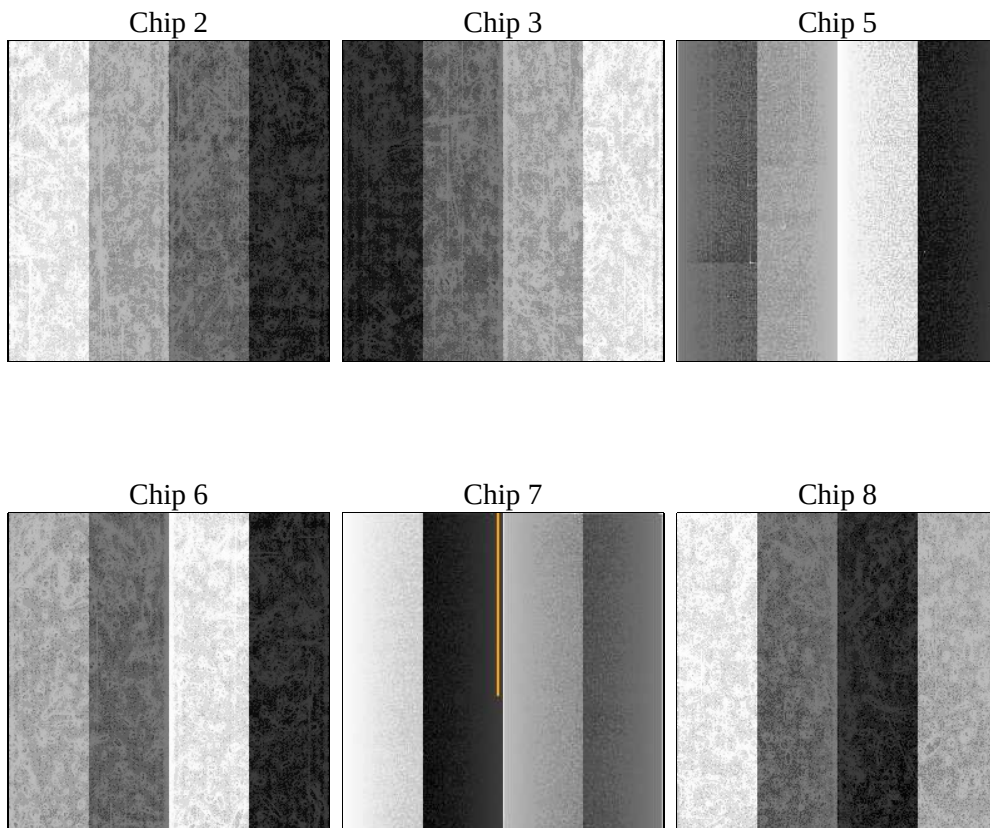
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	14960.000222921	Sum of GTIs [s]
caldsver	4.7.1	 	ontime2	14960.000222921	Sum of GTIs [s]
date	2016-05-30T16:44:01	Date and time of file creation	ontime3	14960.000222921	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	14960.000222921	Sum of GTIs [s]
			ontime6	14960.000222921	Sum of GTIs [s]
			ontime7	14960.000222921	Sum of GTIs [s]
			ontime8	14960.000222921	Sum of GTIs [s]
			l1events	696171	Number of level 1 events

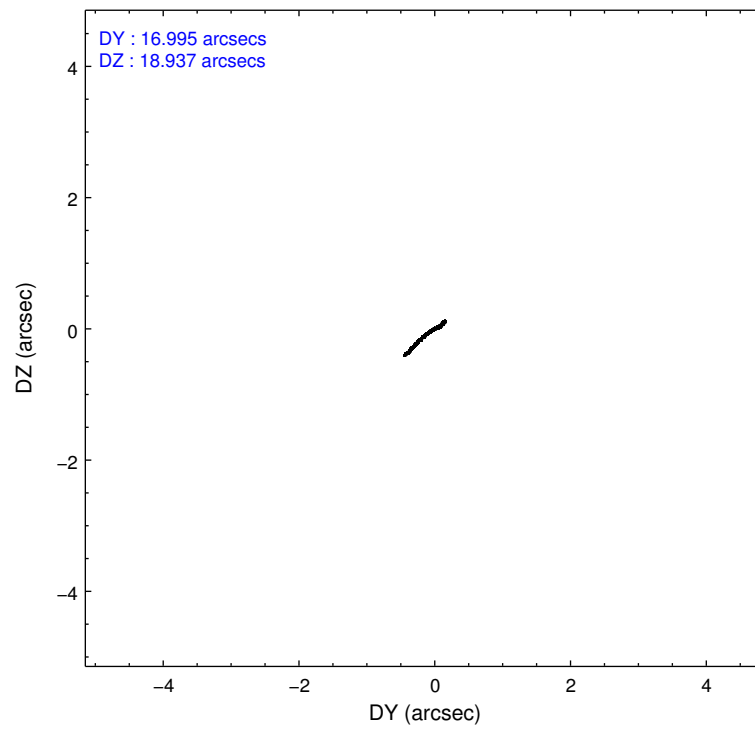
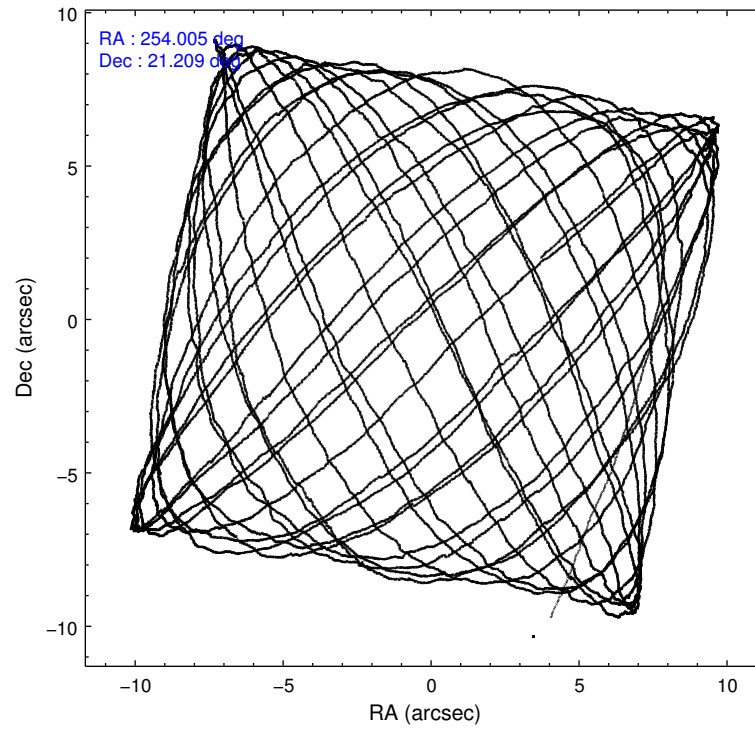
2.1.4 Events

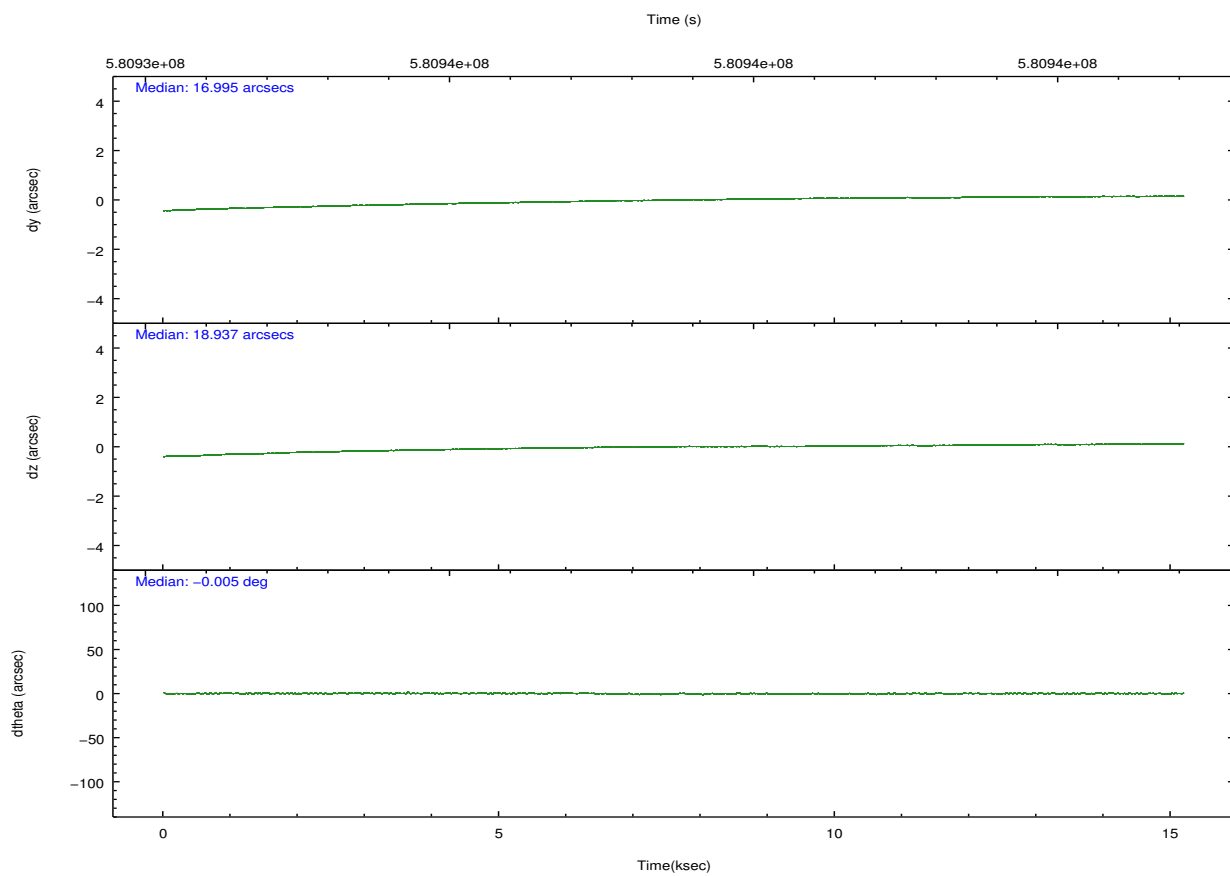
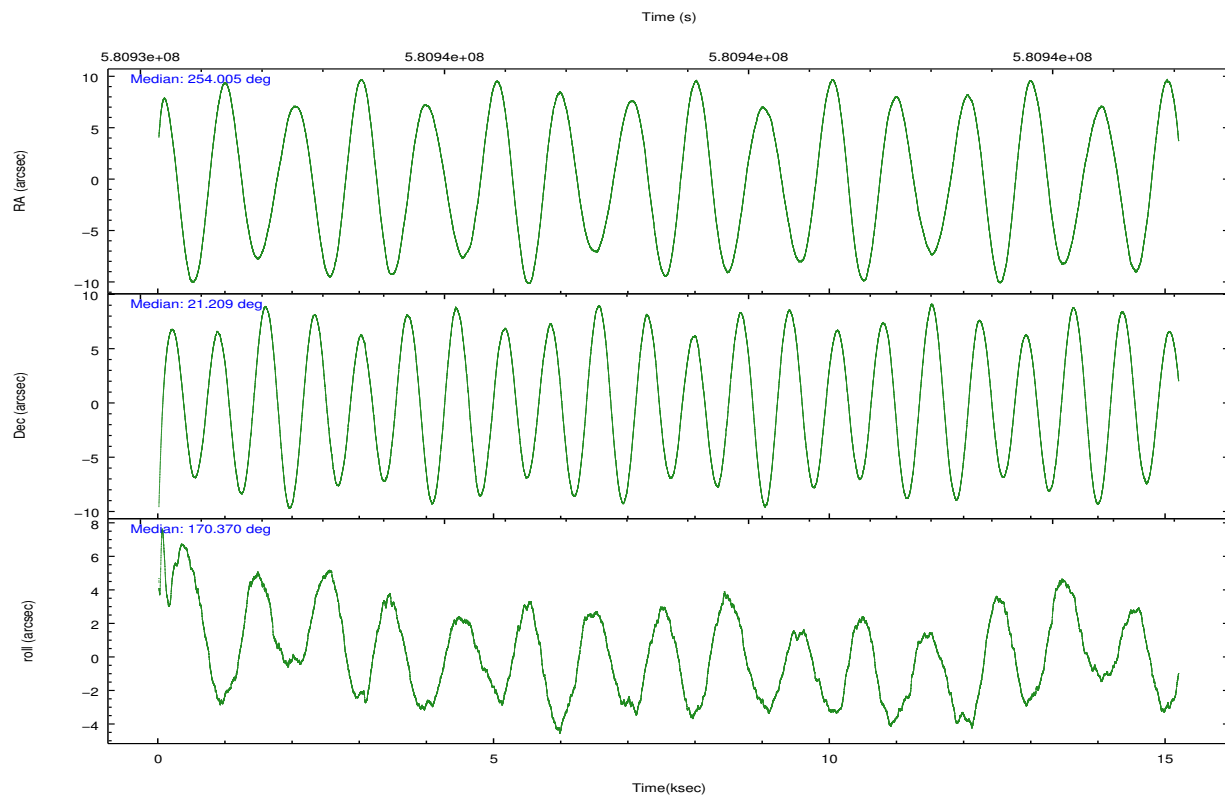
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	97200	87562	169097	96733	123738	121841	grade 0 events	3714	3473	18304	3567	4994	9264
rejected events	86796	77778	81952	85818	68636	89417		3%	3%	10%	3%	4%	7%
rejected %	89%	88%	48%	88%	55%	73%	grade 1 events	48	58	335	46	182	110
								0%	0%	0%	0%	0%	0%
							grade 2 events	2595	2198	23849	2471	11547	7714
								2%	2%	14%	2%	9%	6%
							grade 3 events	1032	1081	2984	1155	4557	3430
								1%	1%	1%	1%	3%	2%
							grade 4 events	1054	1034	2359	1115	4447	3151
								1%	1%	1%	1%	3%	2%
							grade 5 events	3912	4545	10441	4417	12248	6616
								4%	5%	6%	4%	9%	5%
							grade 6 events	2017	2001	39669	2608	29570	8868
								2%	2%	23%	2%	23%	7%
							grade 7 events	82828	73172	71156	81354	56193	82688
								85%	83%	42%	84%	45%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	254.032613	254.0051798385838	CCD I2 on	O2	Y
[deg] Pointing Dec	21.218979	21.20910194866143	CCD I3 on	O3	Y
[deg] Pointing Roll	170.213280	170.3798275802096	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O5	Y
[s] Observation start time (MET)	580931274.184000	580930119.063	CCD S5 on	N	N
Observation start date	2016-05-29T17:46:46	2016-05-29T17:28:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	580946274.184000	580947138.6764801	On-chip summing requested	N	N
Observation end date	2016-05-29T21:56:46	2016-05-29T22:12:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



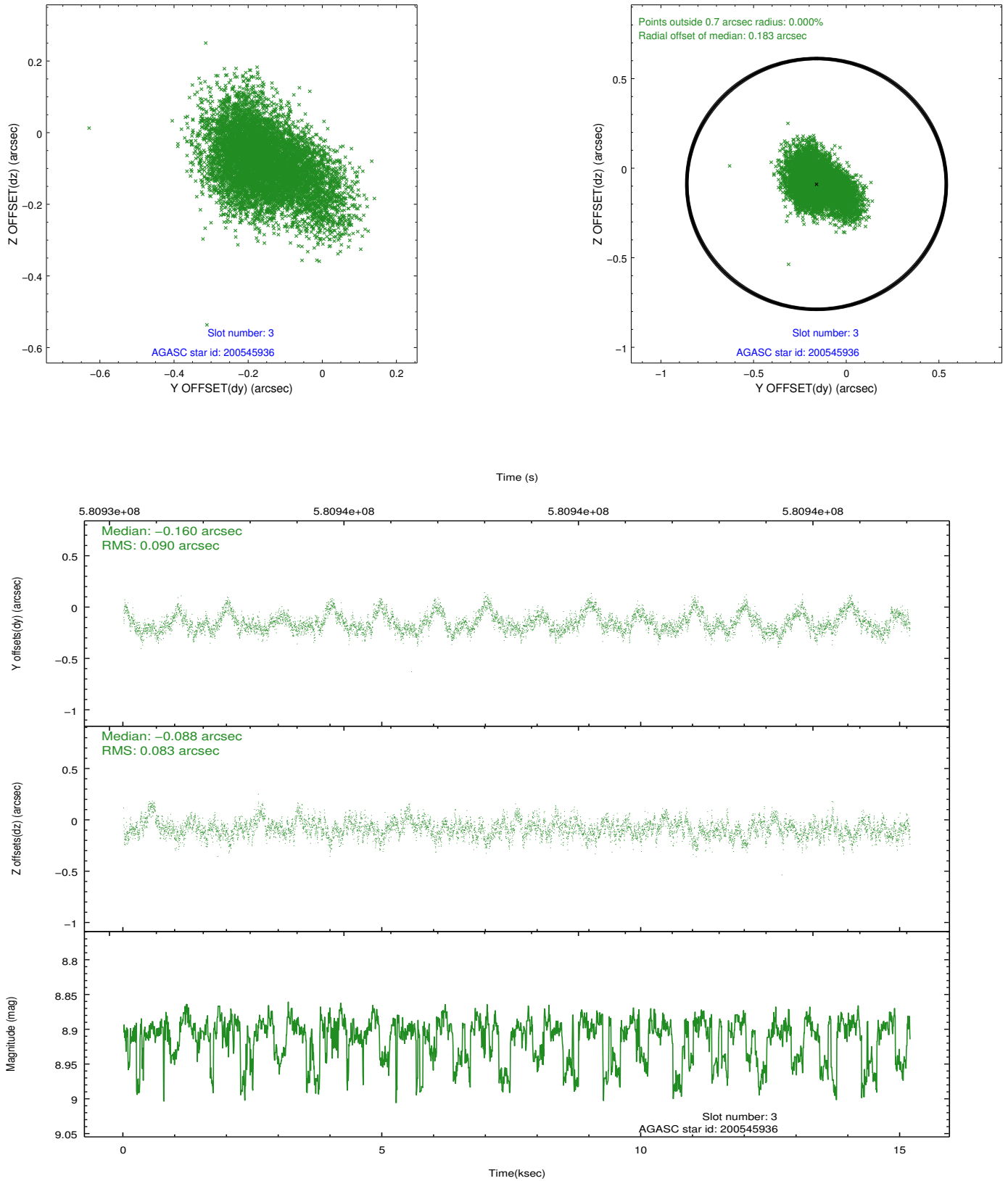


Slot Statistics

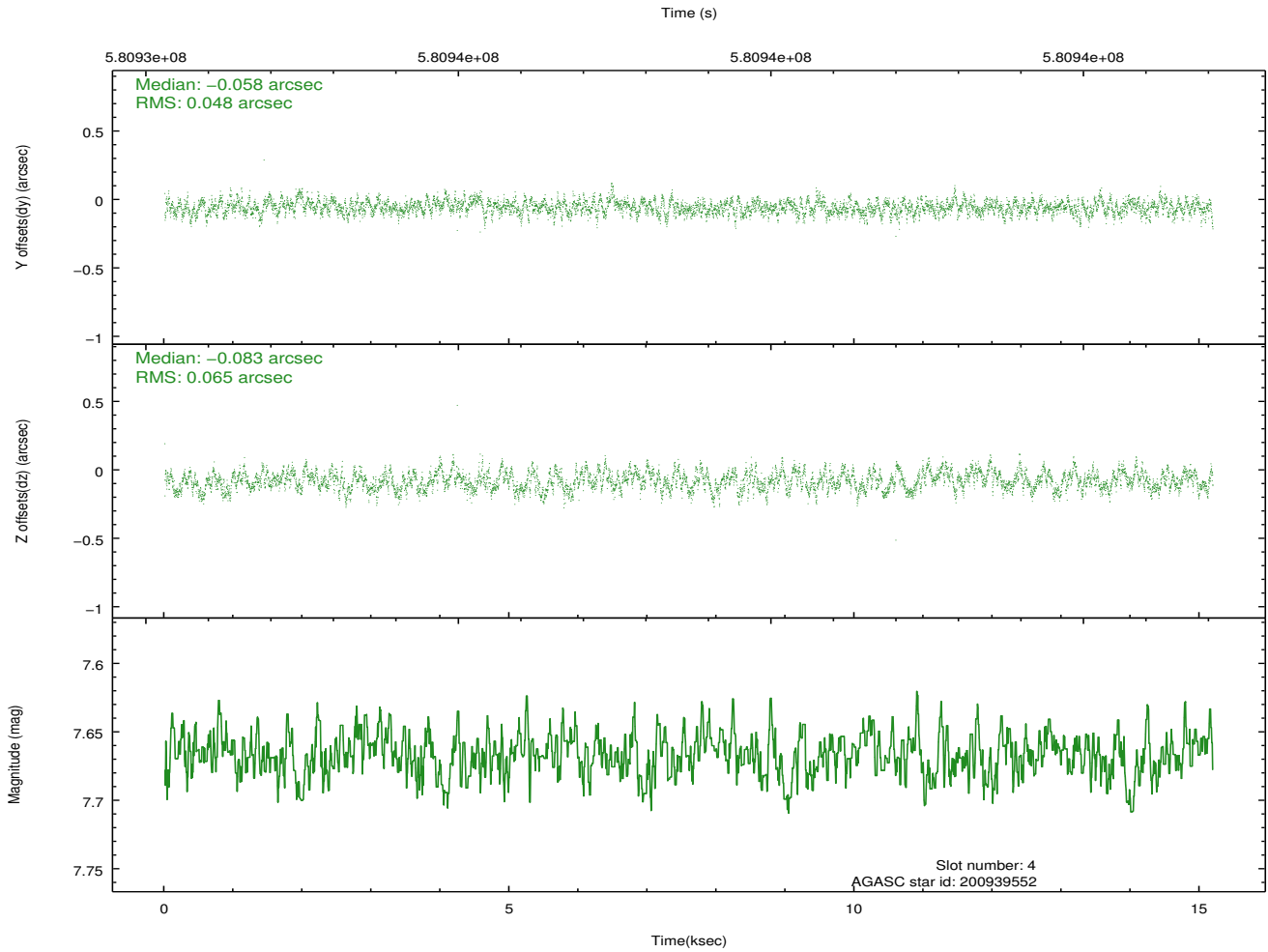
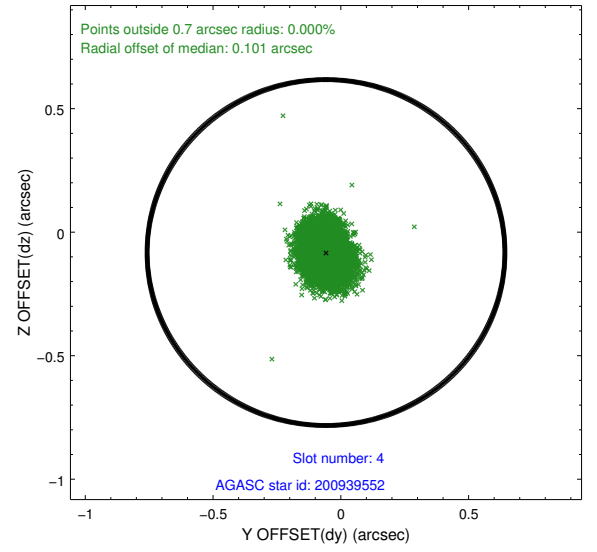
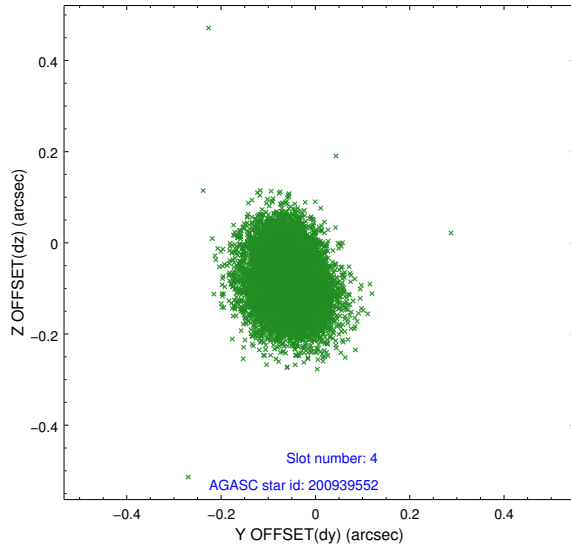
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	3704	-0.179	-0.141	0.009	0.013	0.000000	0.000000	-770.13	-1740.52
1	FID		ACIS-S-4	7.22	3703	0.449	0.124	0.012	0.021	0.000000	0.000000	2143.62	167.95
2	FID		ACIS-S-5	7.23	3704	-0.300	0.026	0.009	0.016	0.000000	0.000000	-1822.73	161.82
3	GUIDE	used	200545936	8.91	7403	-0.160	-0.088	0.127	0.219	254.139144	20.589742	-739.00	2171.47
4	GUIDE	used	200939552	7.67	7408	-0.058	-0.083	0.087	0.136	253.844165	21.492431	790.17	-862.06
5	GUIDE	used	201065768	8.71	7403	0.064	0.075	0.107	0.176	254.520078	20.664744	-1956.48	1685.56
6	GUIDE	used	201071048	8.28	7405	0.027	0.139	0.081	0.128	254.223067	21.506566	-451.55	-1128.30
7	GUIDE	used	201073792	8.04	7405	0.126	-0.046	0.077	0.124	254.400816	21.020871	-1339.96	491.19

2.4 Star Slots

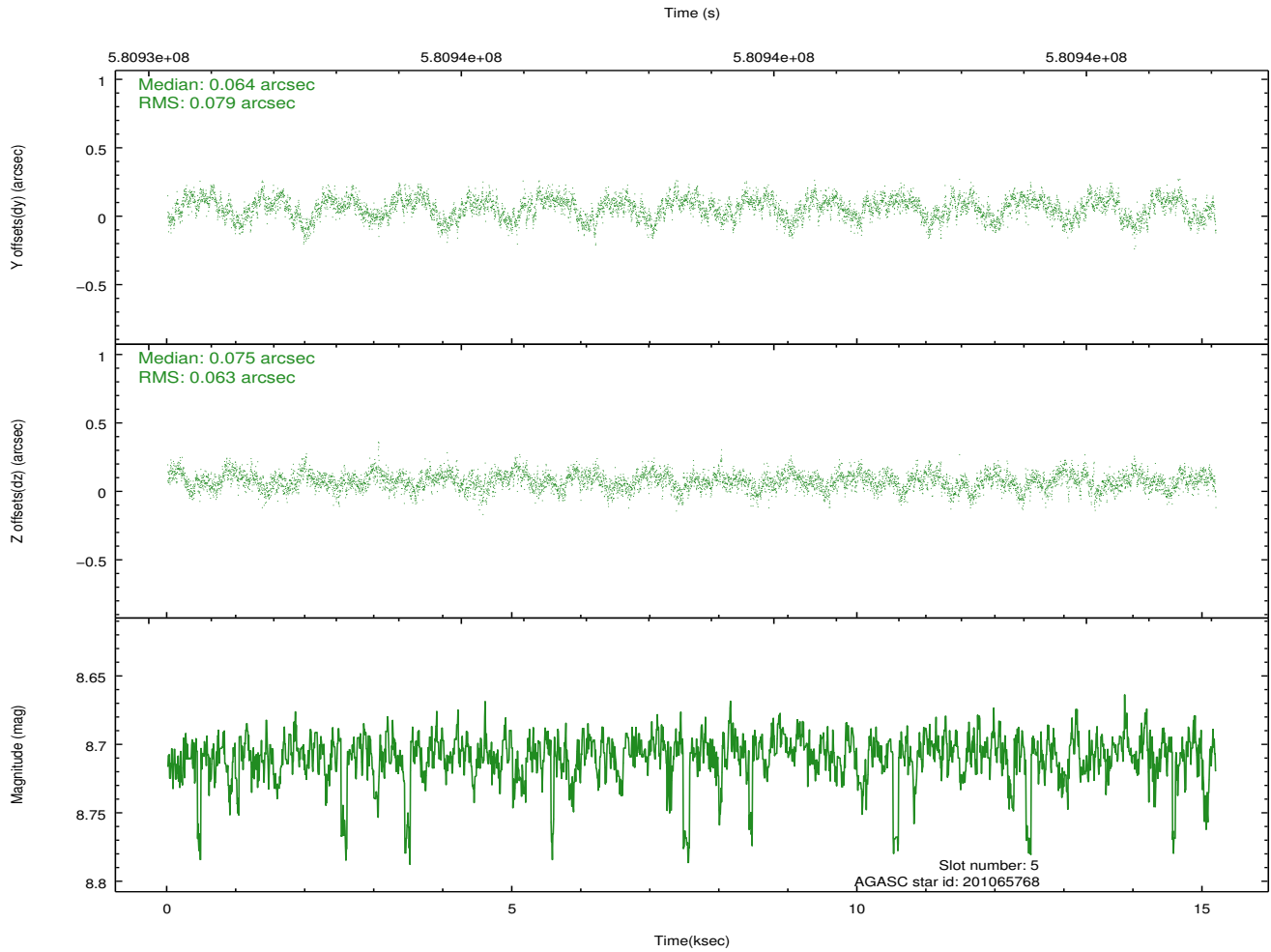
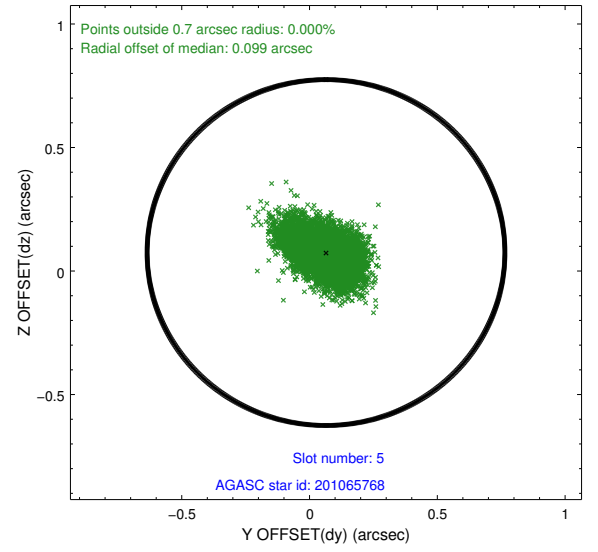
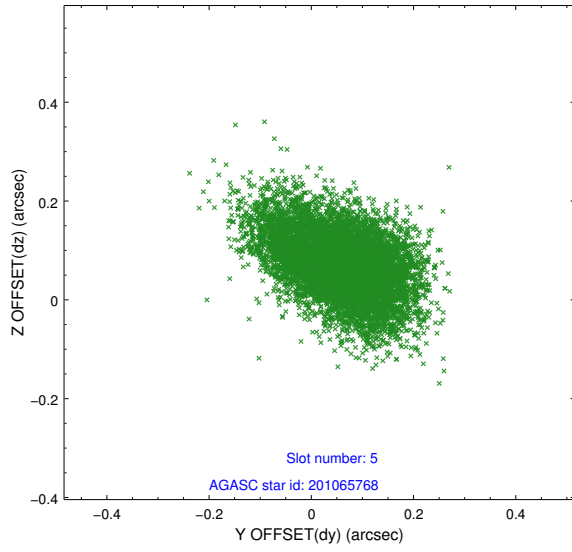
2.4.1 Slot 3



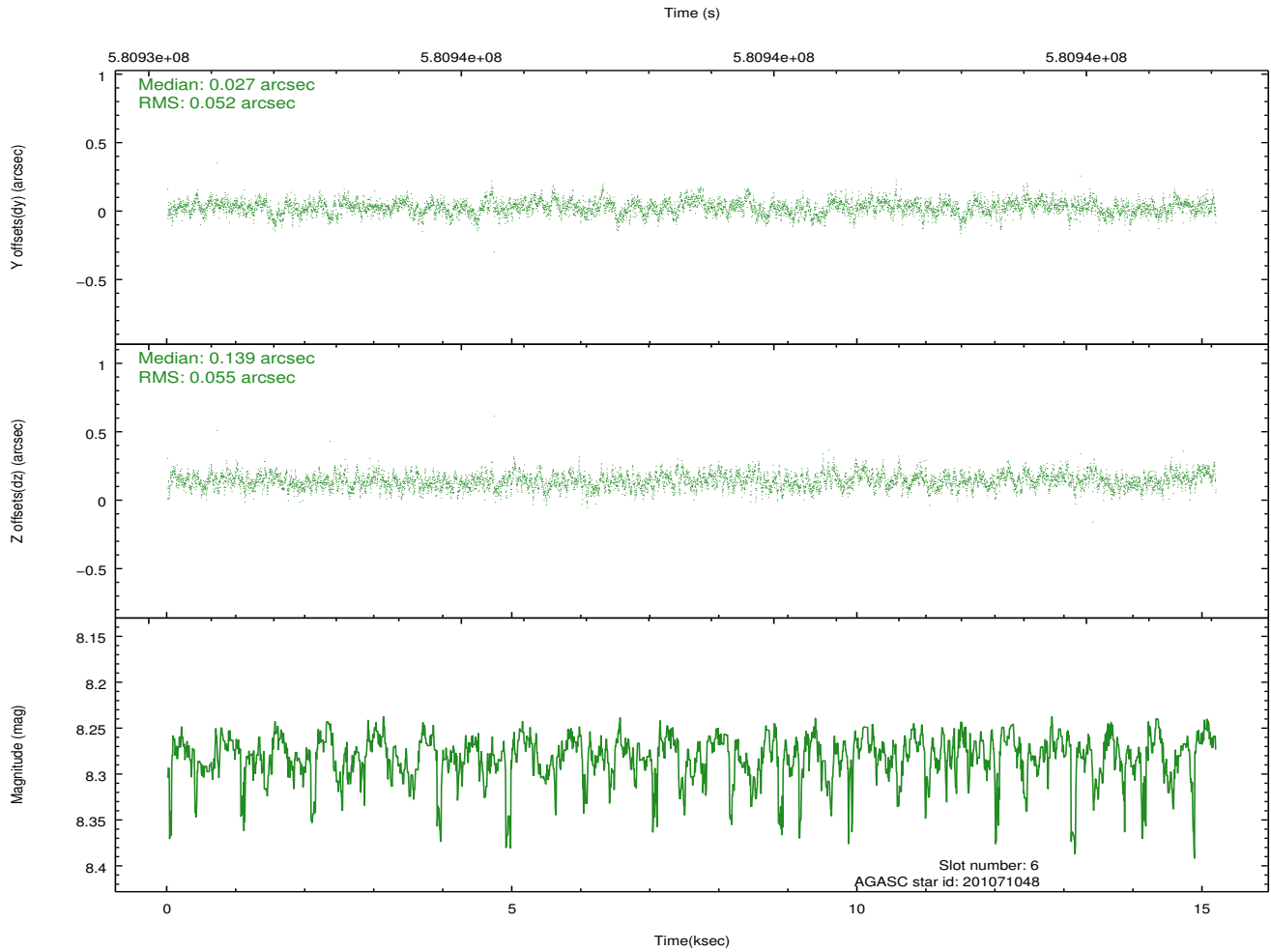
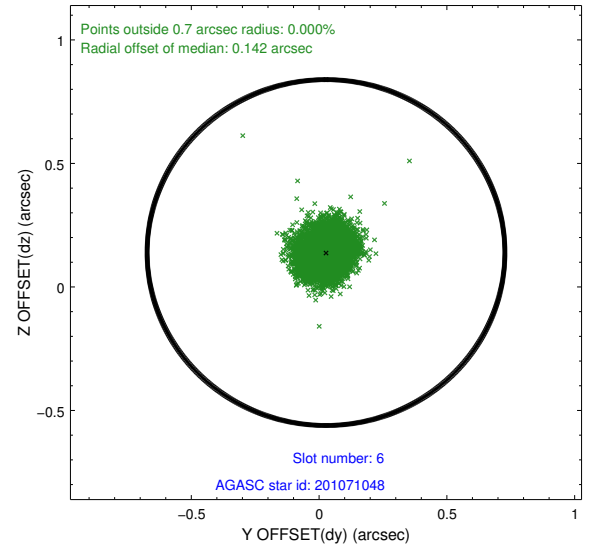
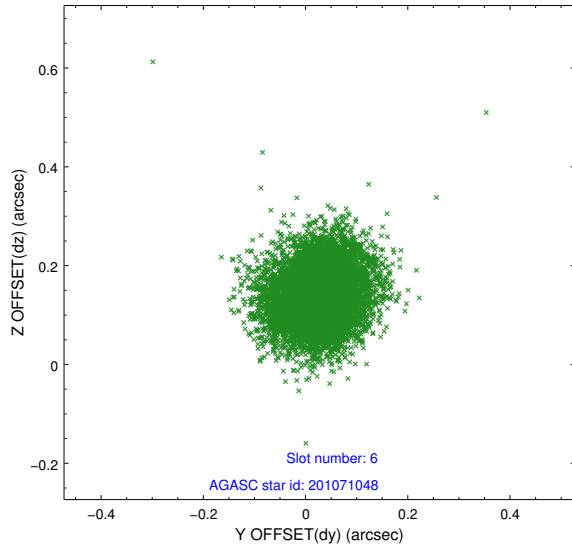
2.4.2 Slot 4



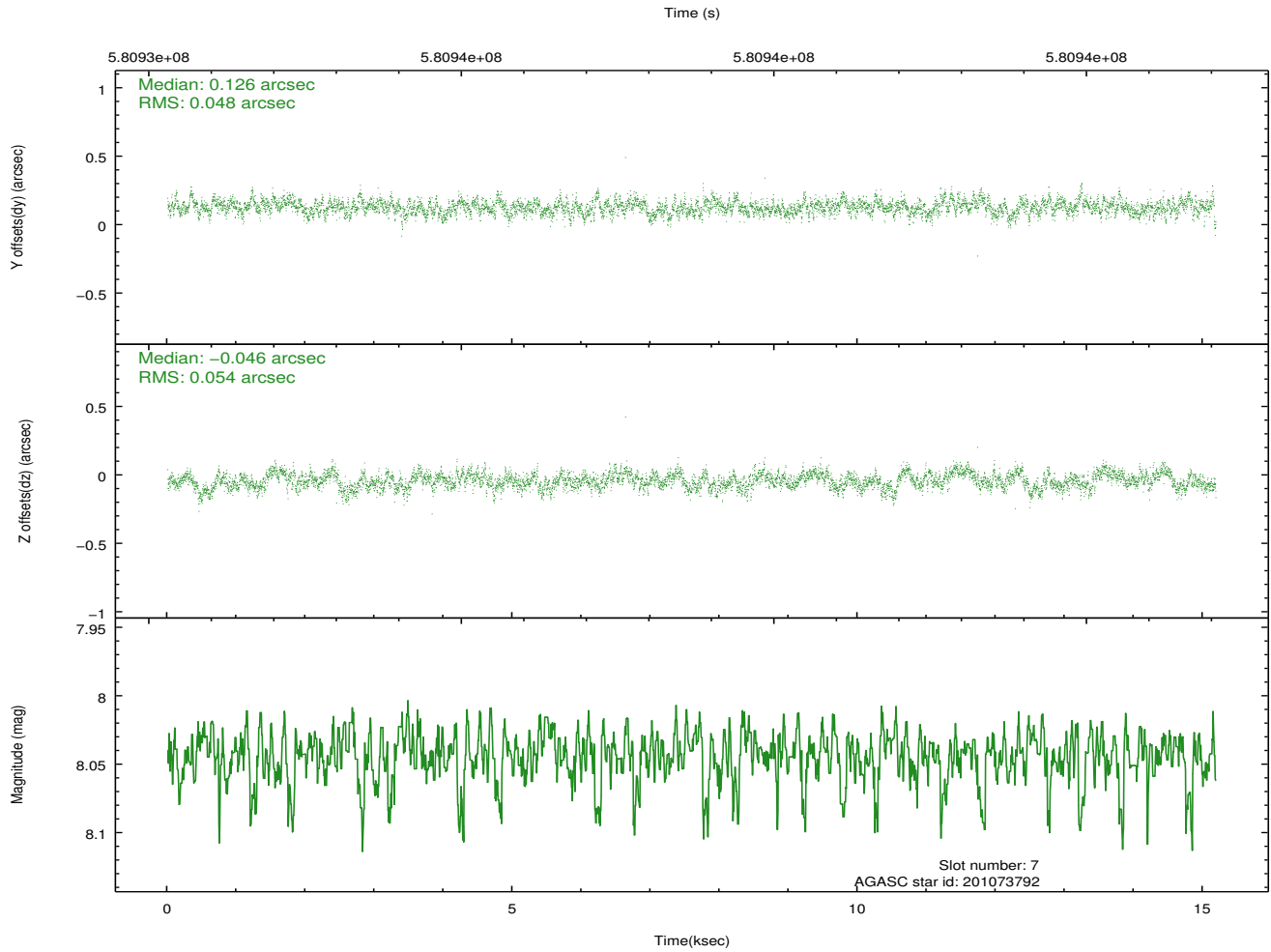
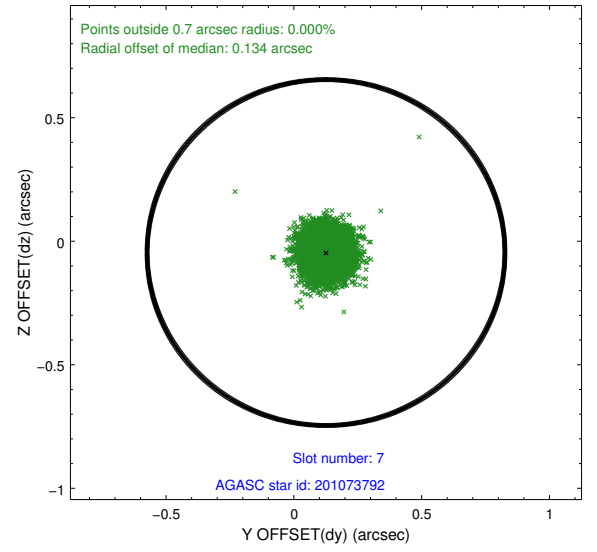
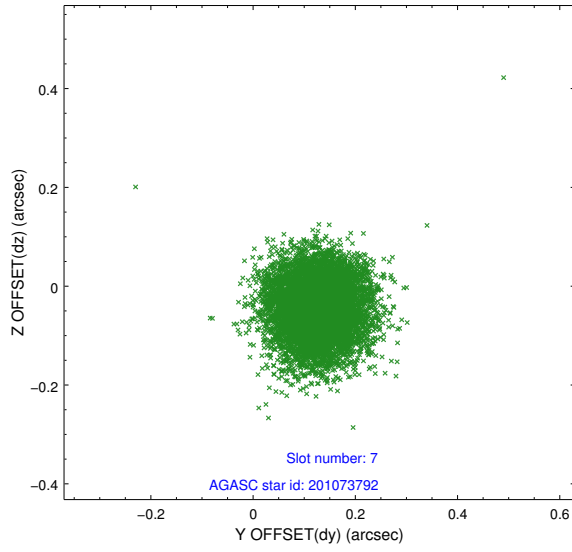
2.4.3 Slot 5



2.4.4 Slot 6

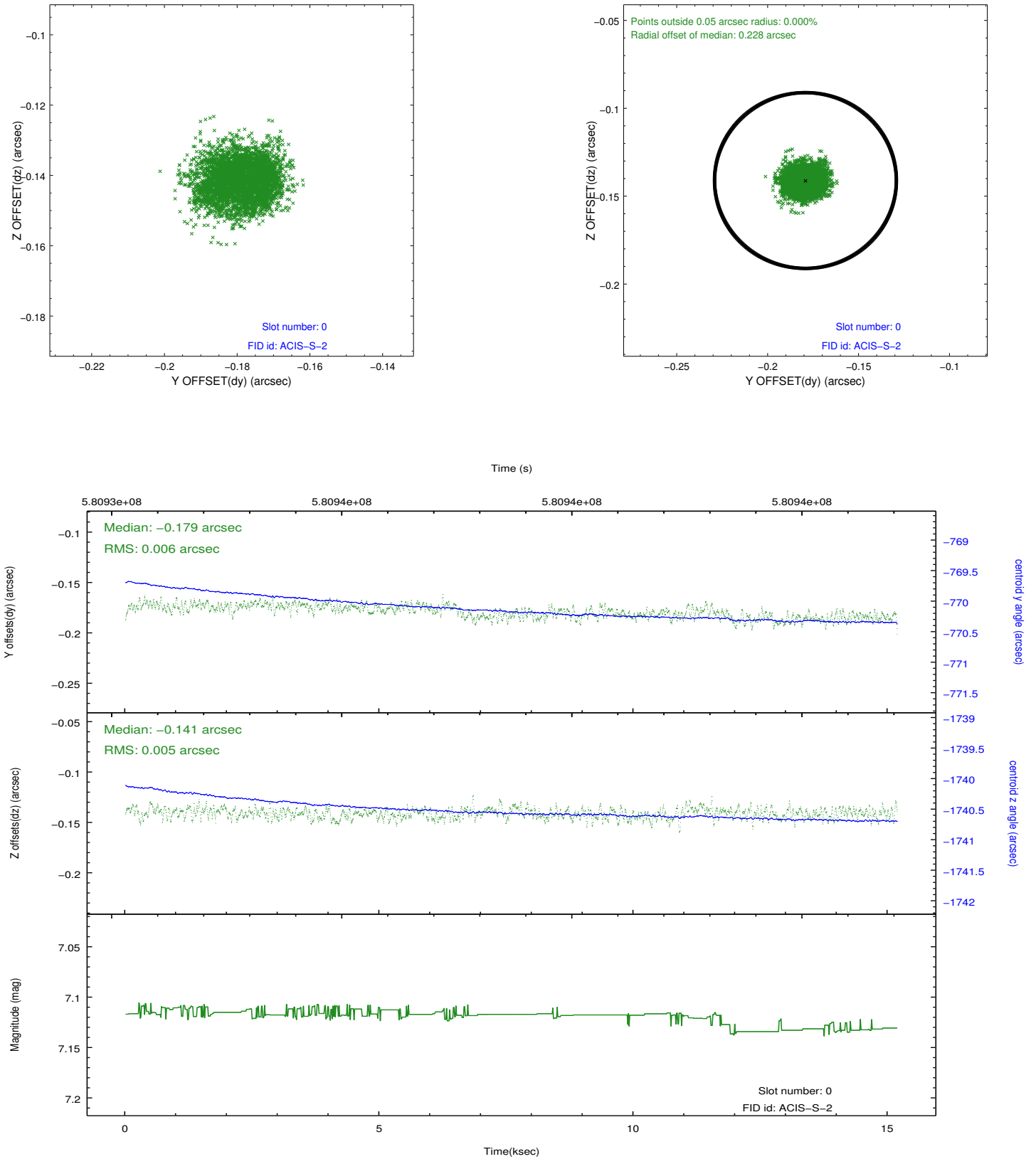


2.4.5 Slot 7

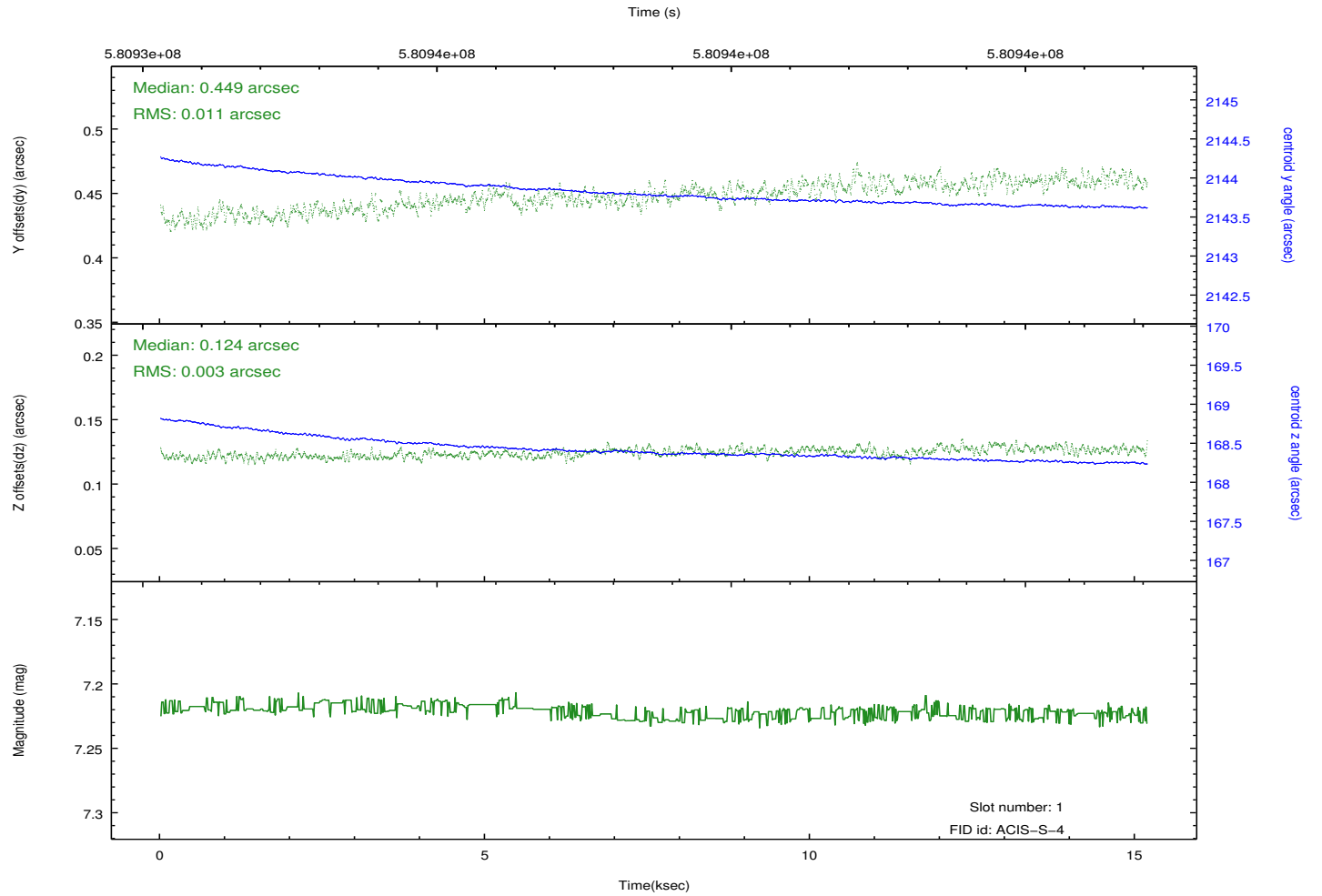
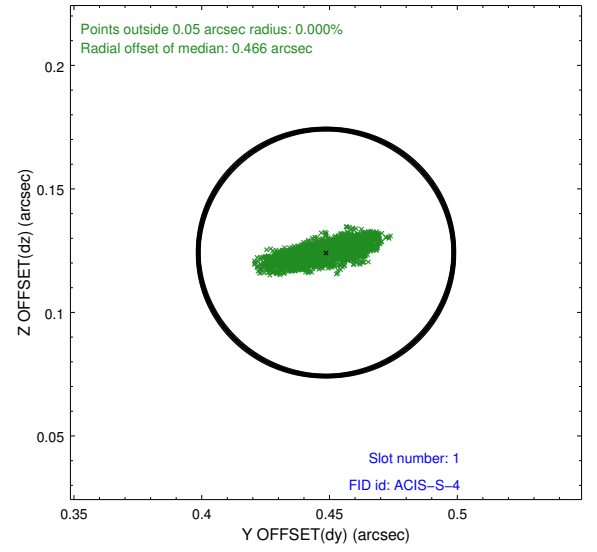
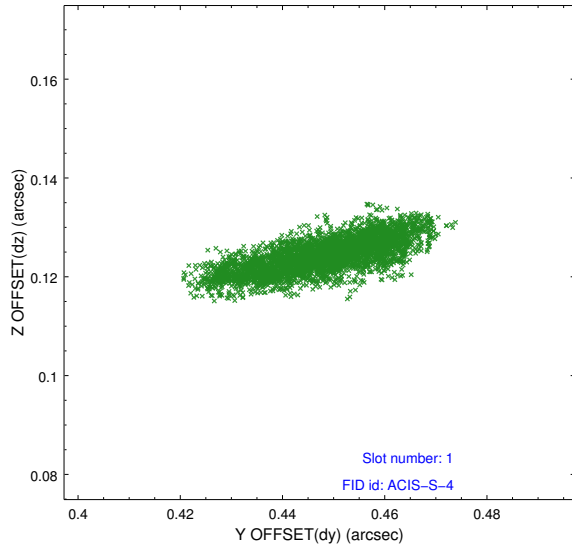


2.5 FID Slots

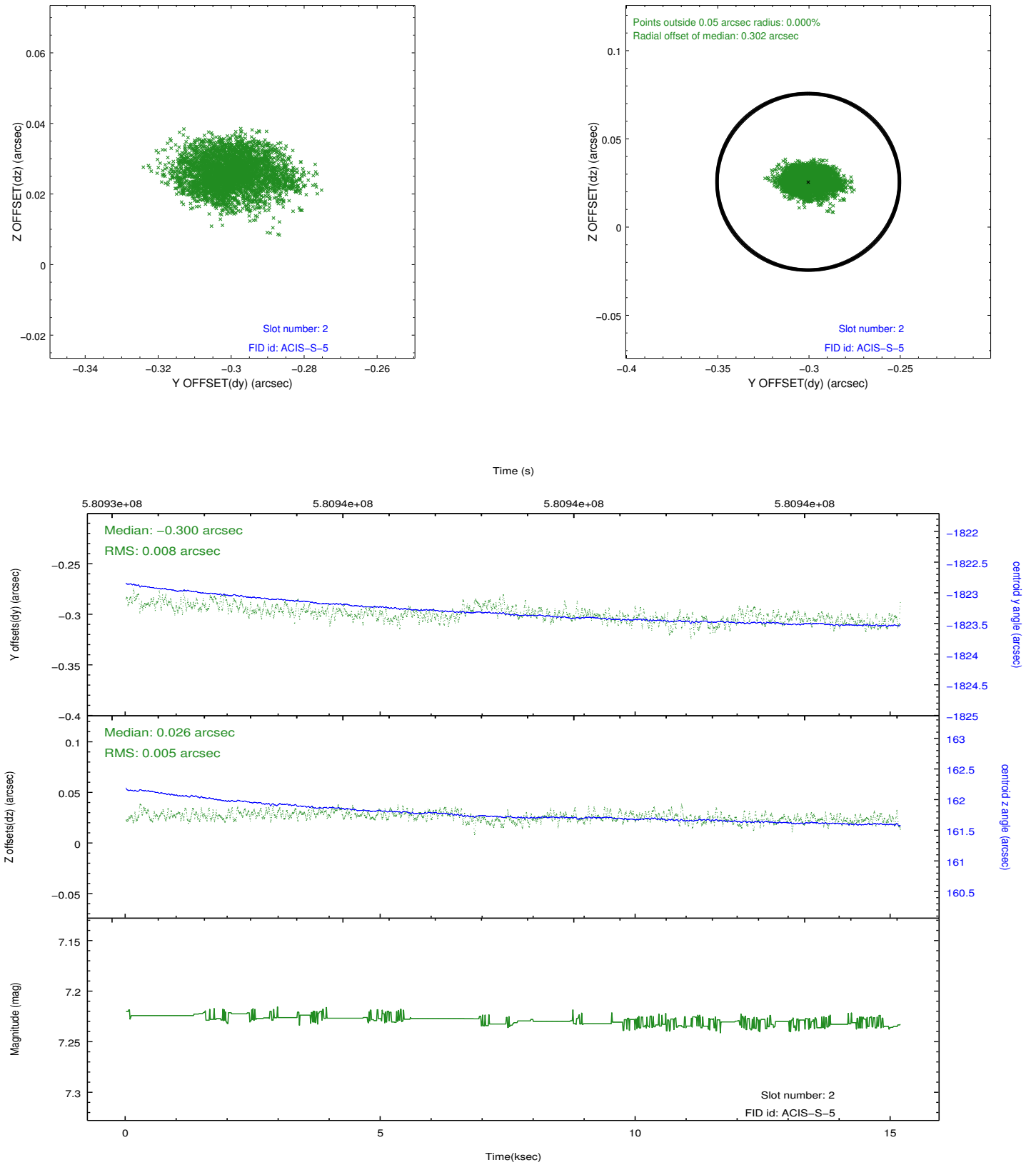
2.5.1 Slot 0



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)	2016.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.960000222921

A.2 Comments