

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 16824 - L2 Version 1
Chandra X-Ray Center

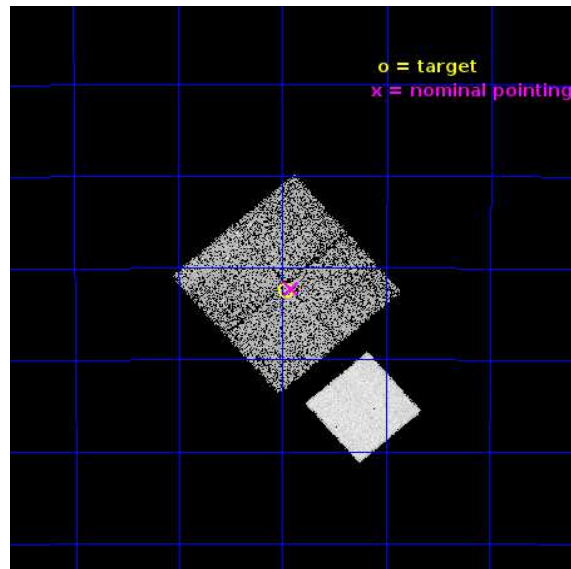
L2 Processing Date : Sep 10 2015

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1 Front

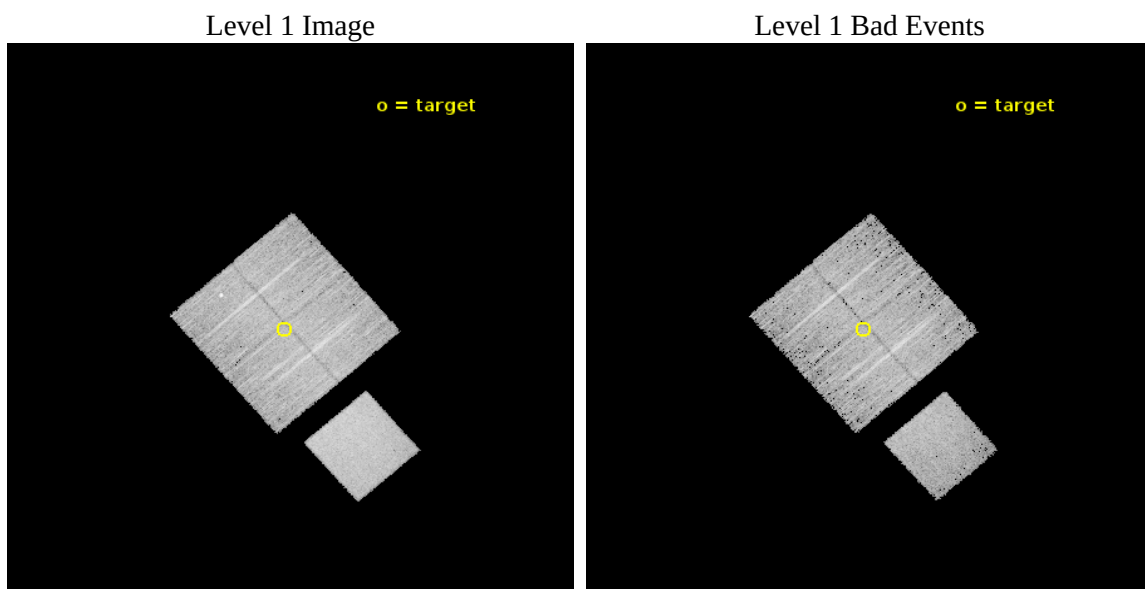
seq_num	502342	Sequence number
obs_id	16824	Observation id
title	Snap-shot survey of unidentified Fermi sources	Proposal title
observer	Dr. Blagoy Rangelov	Principal investigator
object	2FGL J0858.3-4333	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	134.491417	Observer's specified target RA [deg]
dec_targ	-43.541872	Observer's specified target Dec [deg]
ra_nom	134.47862520132	Nominal RA [deg]
dec_nom	-43.538135528376	Nominal Dec [deg]
roll_nom	138.97750952672	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10062.60007751	Sum of GTIs [s]
livetime	9931.1247995188	Livetime [s]
ontime0	10062.60007751	Sum of GTIs [s]
ontime1	10059.459017277	Sum of GTIs [s]
ontime2	10062.60007751	Sum of GTIs [s]
ontime3	10062.60007751	Sum of GTIs [s]
ontime7	10062.60007751	Sum of GTIs [s]
l2events	49802	Number of level 2 events



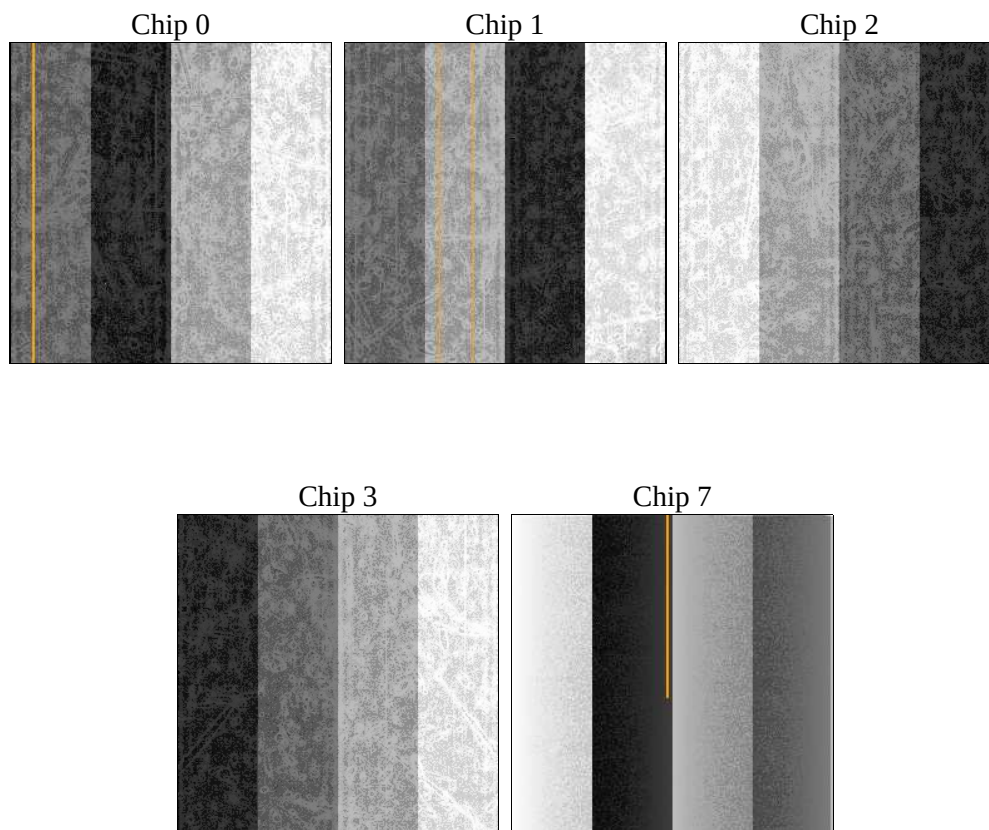
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	10062.60007751	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	10062.60007751	Sum of GTIs [s]
date	2015-09-11T00:59:21	Date and time of file creation	ontime1	10059.459017277	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10062.60007751	Sum of GTIs [s]
			ontime3	10062.60007751	Sum of GTIs [s]
			ontime7	10062.60007751	Sum of GTIs [s]
			l1events	273917	Number of level 1 events

2.1.4 Events

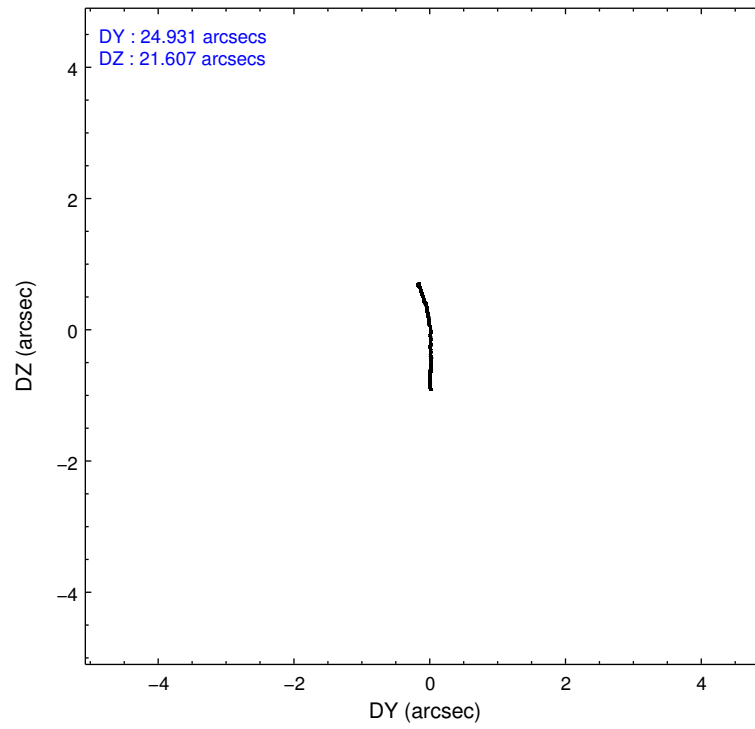
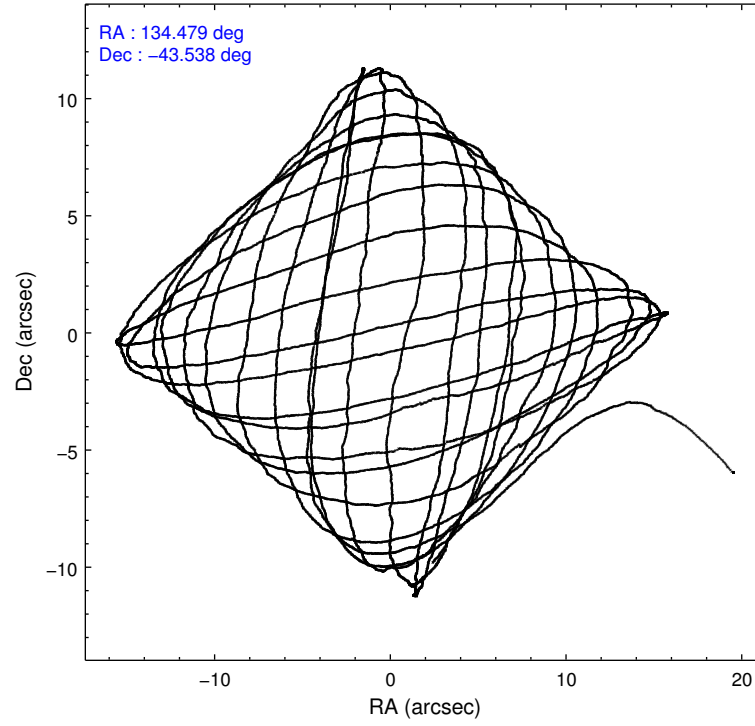
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	48731	49132	52146	52102	71806
rejected events	42869	42133	46526	46351	41051
rejected %	87%	85%	89%	88%	57%

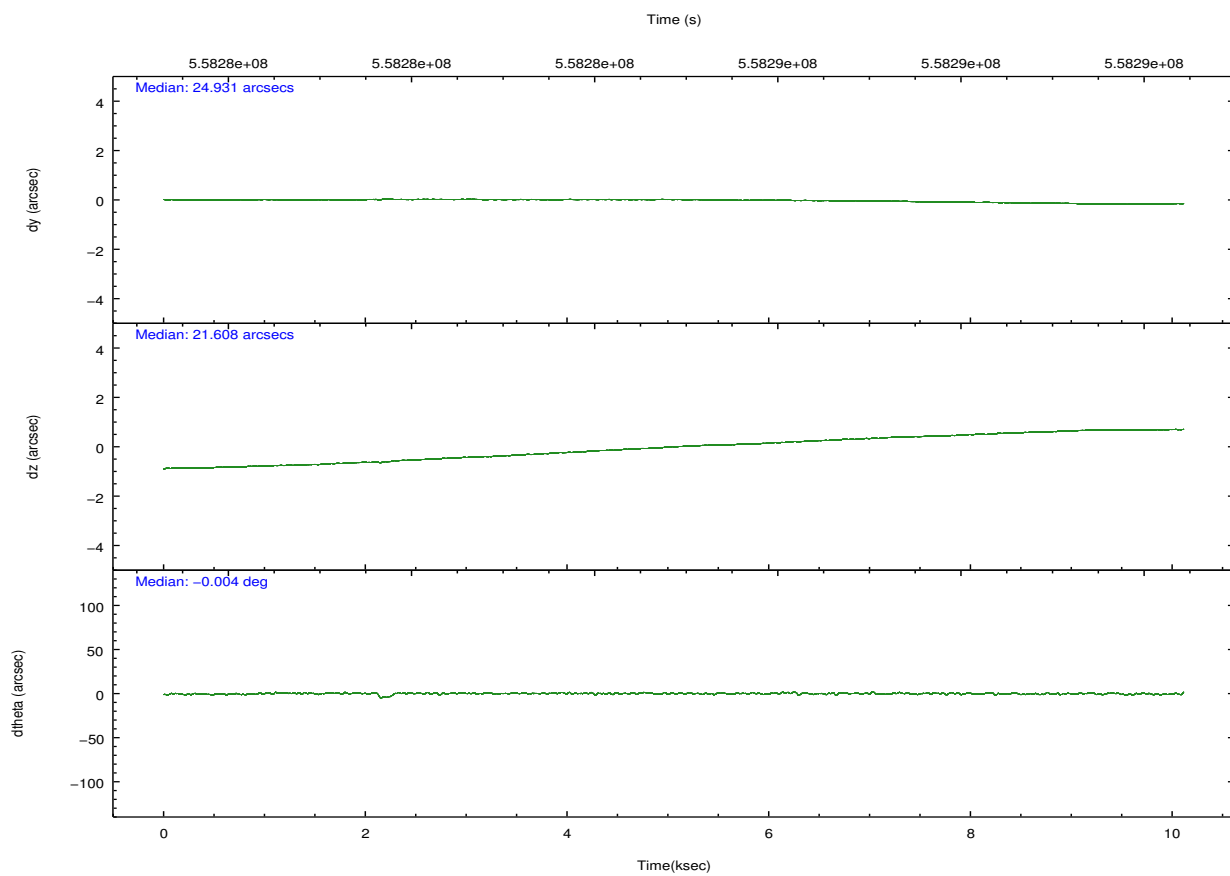
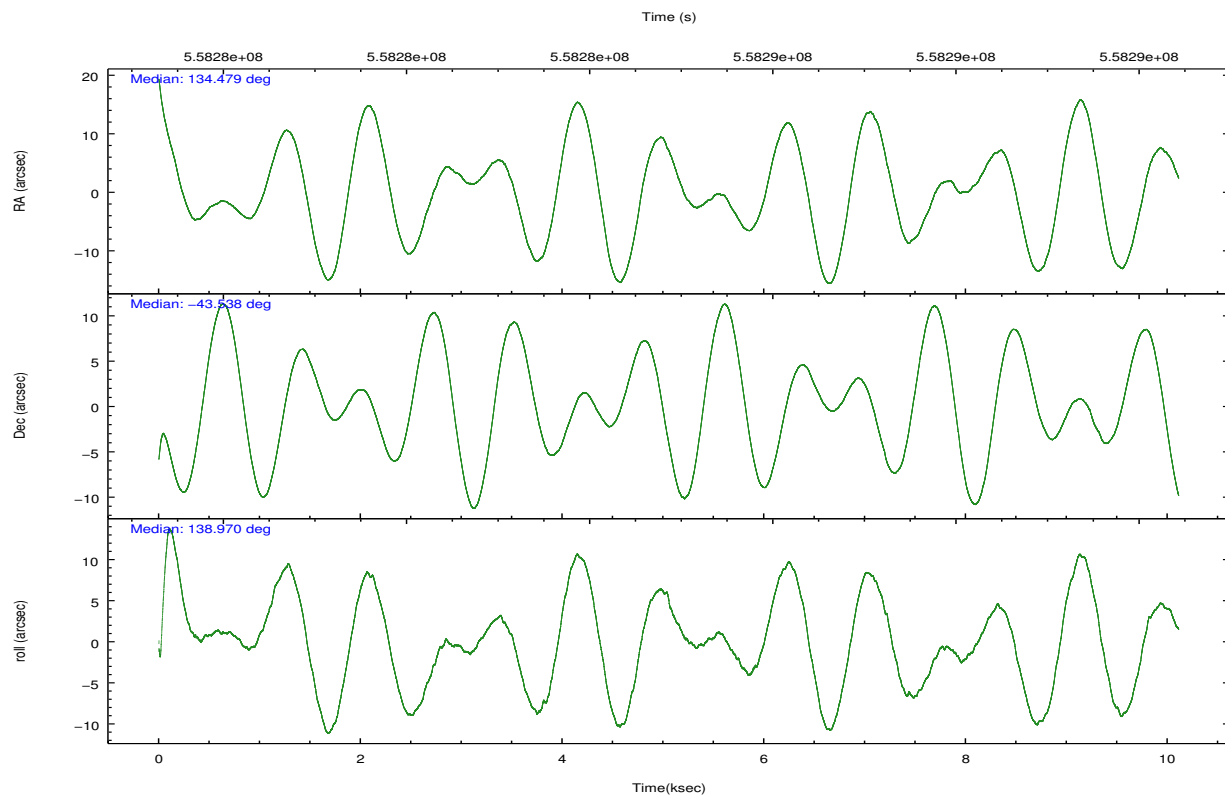
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	2022	2811	2032	1945	2601
	4%	5%	3%	3%	3%
grade 1 events	26	29	29	23	87
	0%	0%	0%	0%	0%
grade 2 events	1405	1568	1298	1291	6433
	2%	3%	2%	2%	8%
grade 3 events	641	604	570	668	2438
	1%	1%	1%	1%	3%
grade 4 events	568	572	637	591	2426
	1%	1%	1%	1%	3%
grade 5 events	2342	2551	2167	2653	6892
	4%	5%	4%	5%	9%
grade 6 events	1228	1445	1085	1258	16865
	2%	2%	2%	2%	23%
grade 7 events	40499	39552	44328	43673	34064
	83%	80%	85%	83%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	134.515984	134.4786252013178	CCD I2 on	Y	Y
[deg] Pointing Dec	-43.543289	-43.5381355283758	CCD I3 on	Y	Y
[deg] Pointing Roll	138.794599	138.9775095267158	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	558279923.184000	558278709.70092	CCD S5 on	N	N
Observation start date	2015-09-10T13:44:15	2015-09-10T13:25:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	558289923.184000	558290893.8766	On-chip summing requested	N	N
Observation end date	2015-09-10T16:30:55	2015-09-10T16:48:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



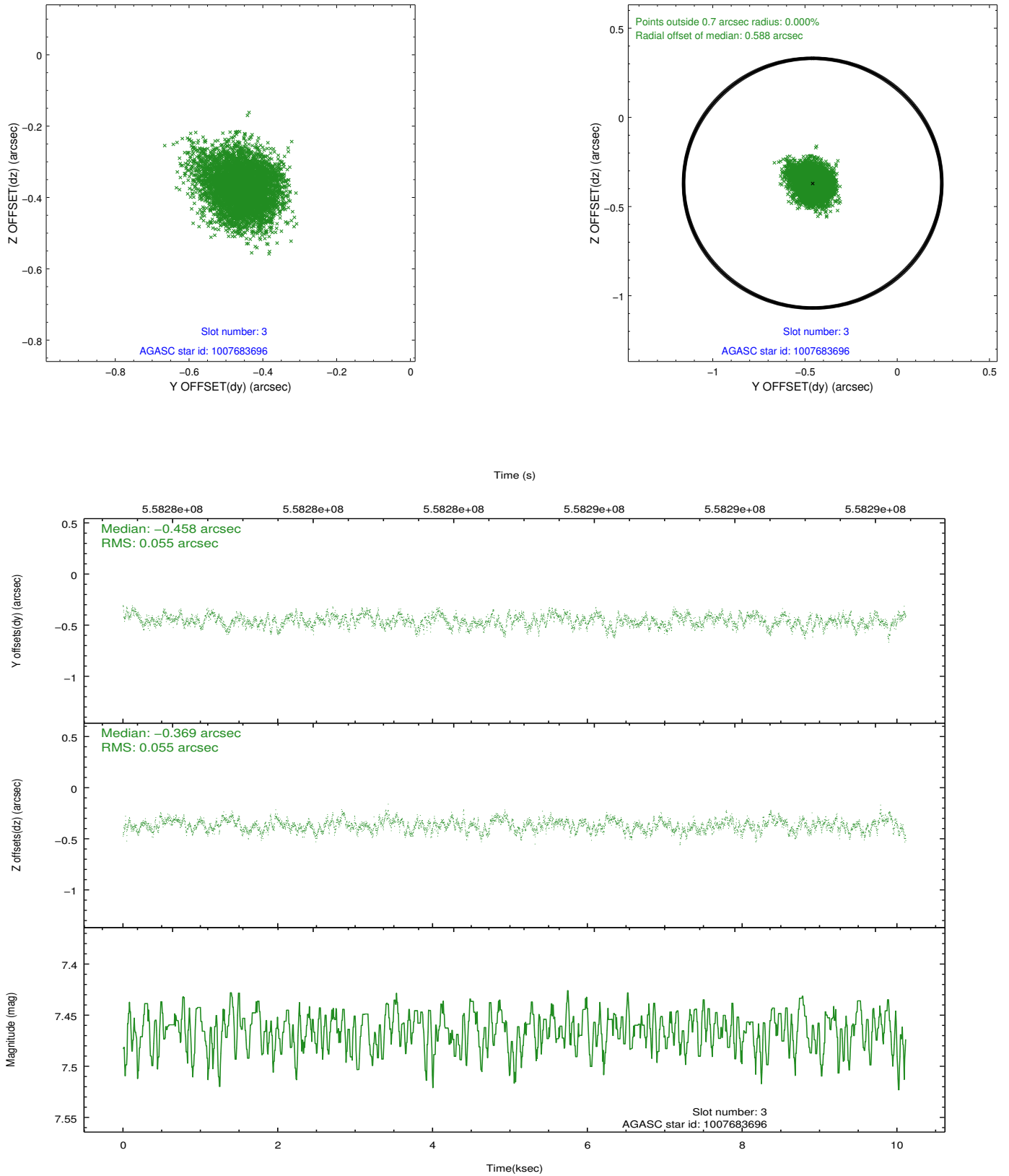


Slot Statistics

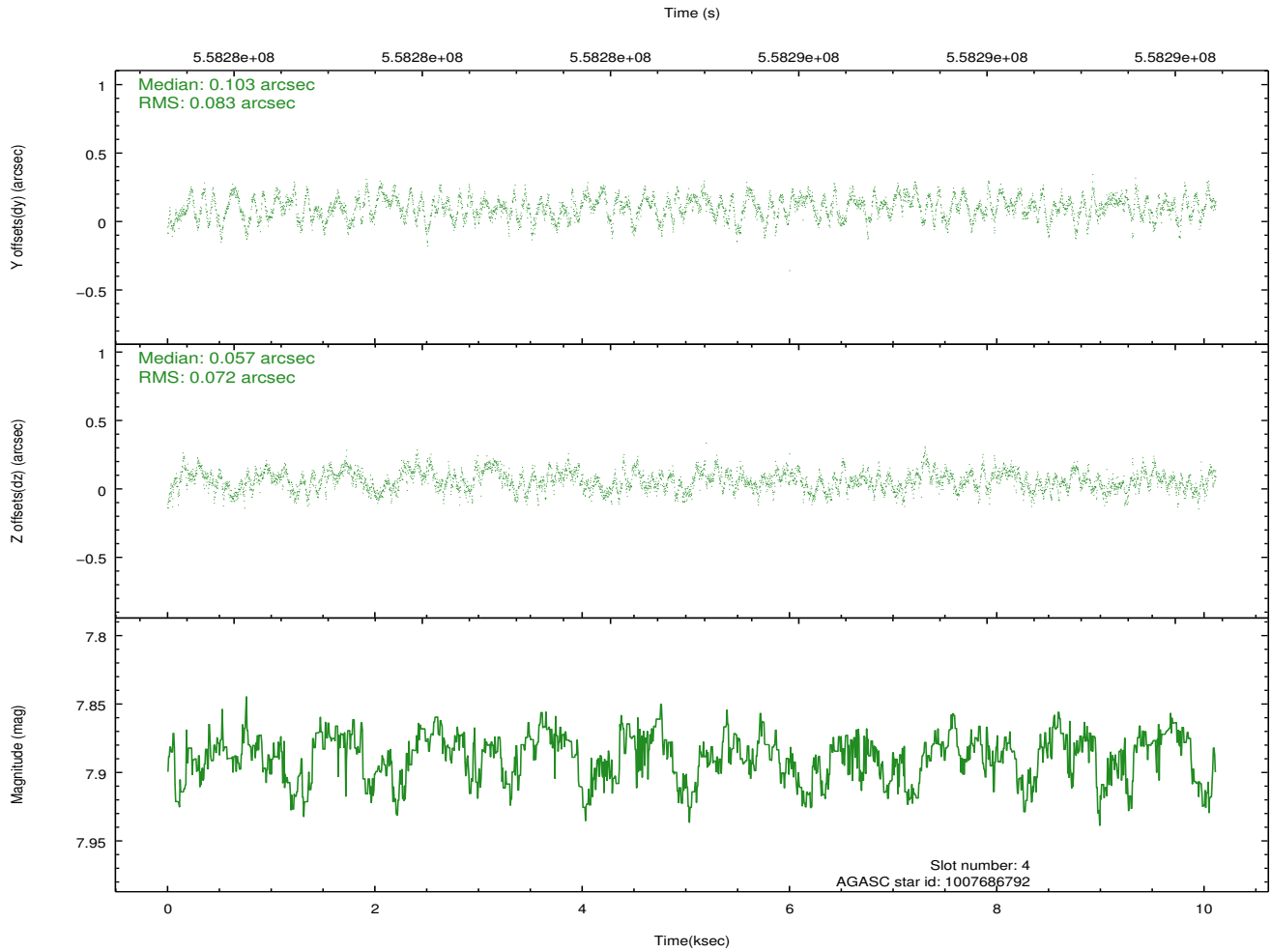
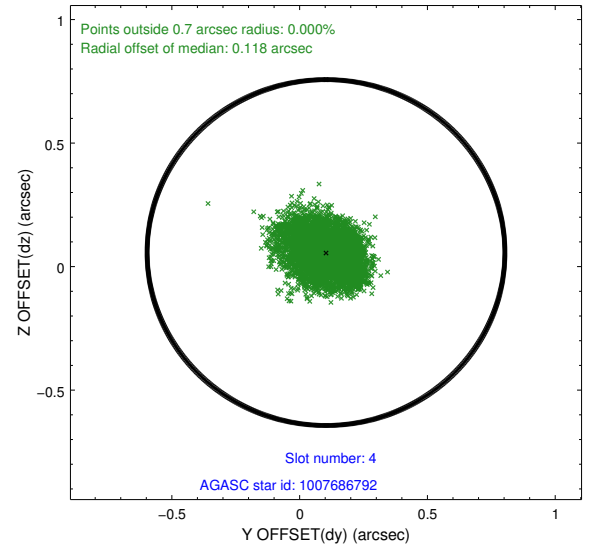
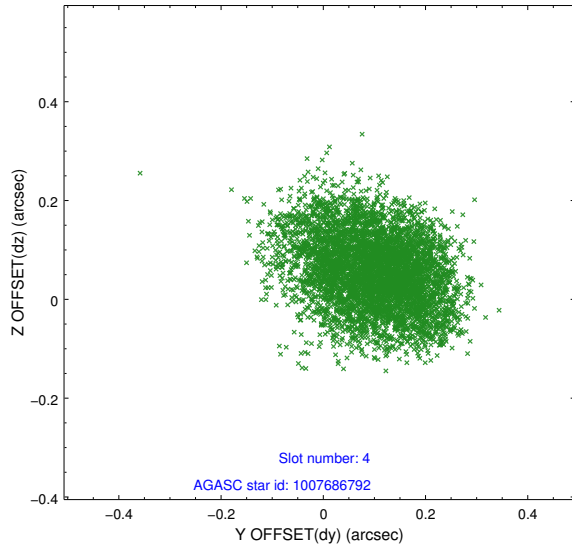
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.16	2467	-0.212	-0.120	0.012	0.023	0.000000	0.000000	-780.07	-851.83
1	FID		ACIS-I-4	7.24	2467	0.471	0.145	0.007	0.012	0.000000	0.000000	2134.37	1054.42
2	FID		ACIS-I-5	7.26	2464	-0.361	0.043	0.011	0.019	0.000000	0.000000	-1833.43	1052.65
3	GUIDE	used	1007683696	7.46	4932	-0.458	-0.369	0.083	0.131	133.527663	-43.420975	2223.80	1382.64
4	GUIDE	used	1007686792	7.89	4928	0.103	0.057	0.119	0.187	134.367970	-44.265394	-1425.00	2207.71
5	GUIDE	used	1007693552	7.99	4932	-0.072	-0.339	0.083	0.131	133.403595	-43.532905	2195.88	1899.49
6	GUIDE	used	1007822296	6.63	4934	0.362	0.494	0.101	0.157	135.092733	-43.173997	-265.57	-1992.87
7	GUIDE	used	1007162896	7.96	4933	0.072	0.160	0.086	0.156	134.402512	-42.707087	2209.44	-2066.75

2.4 Star Slots

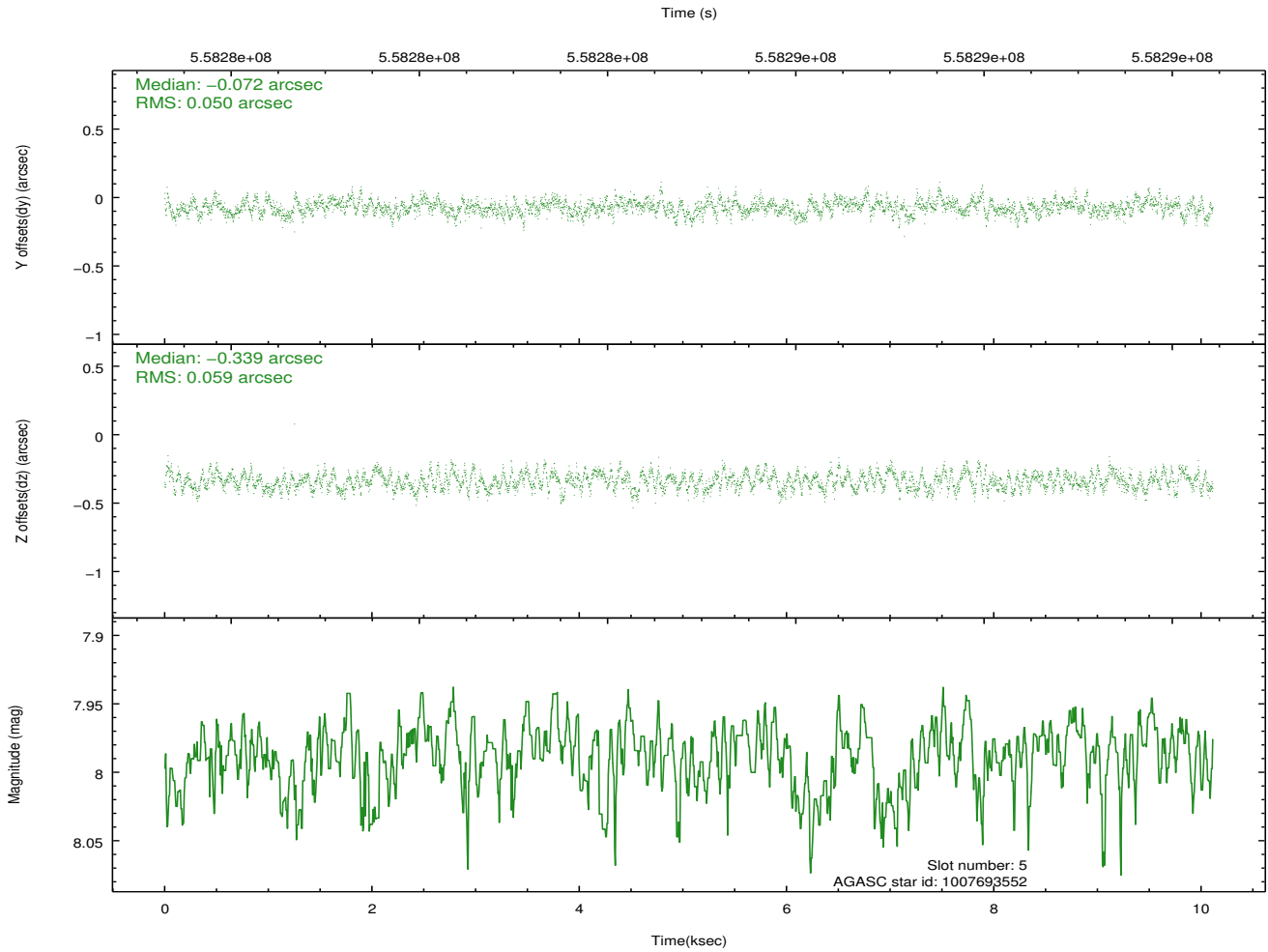
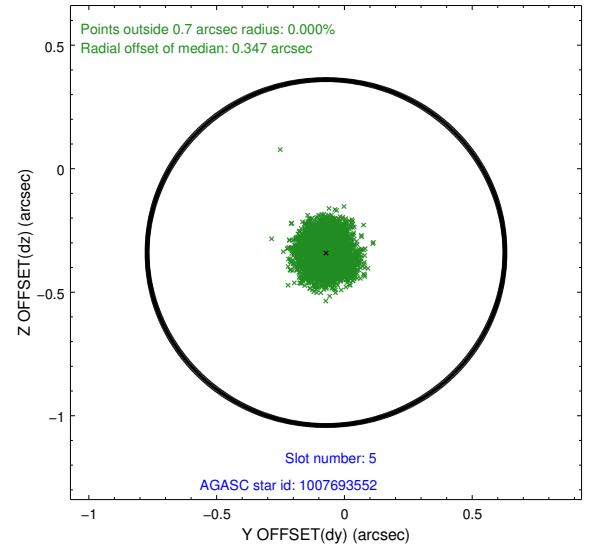
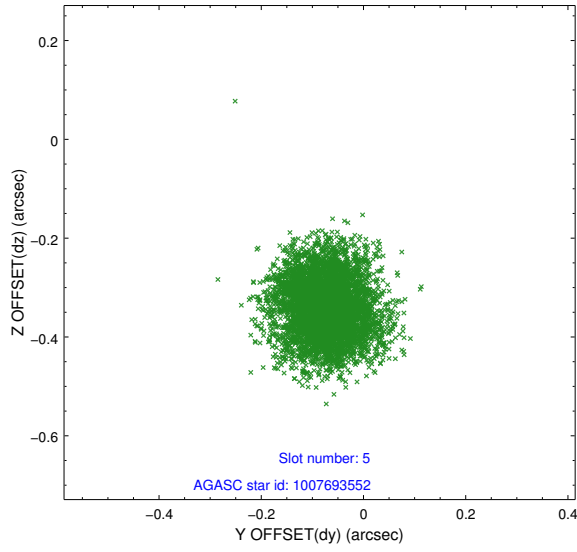
2.4.1 Slot 3



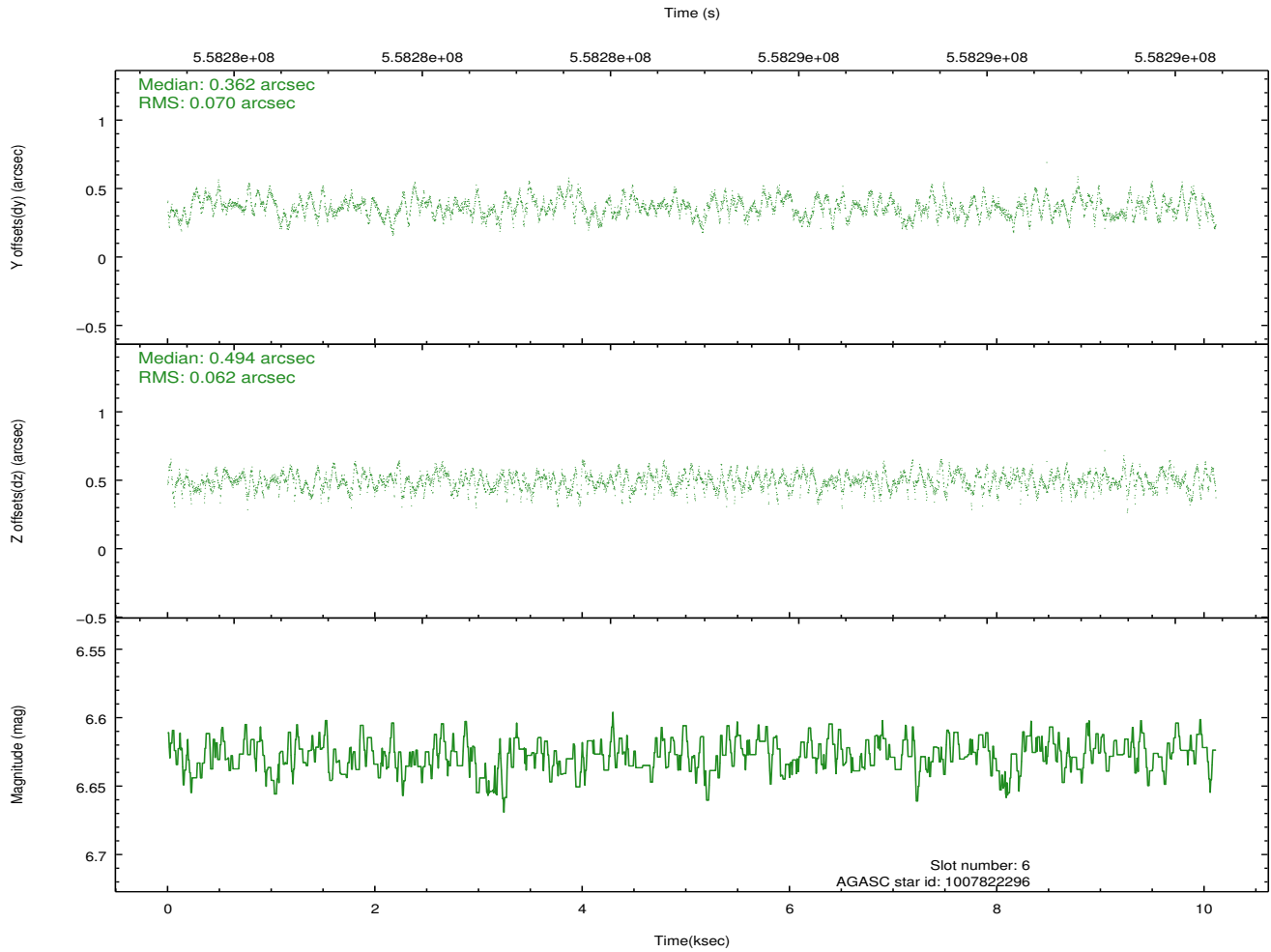
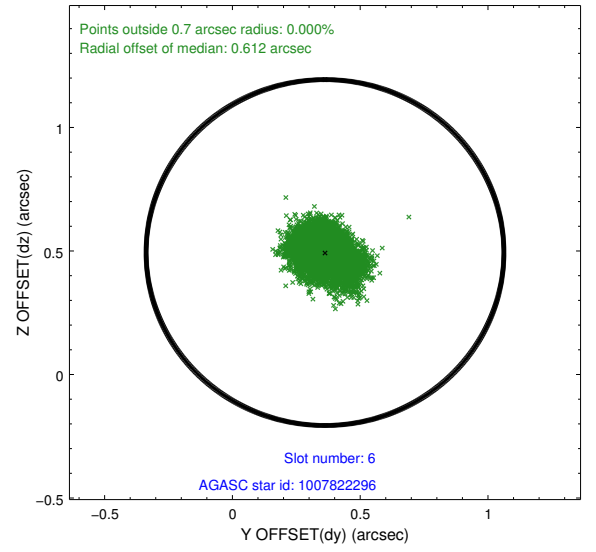
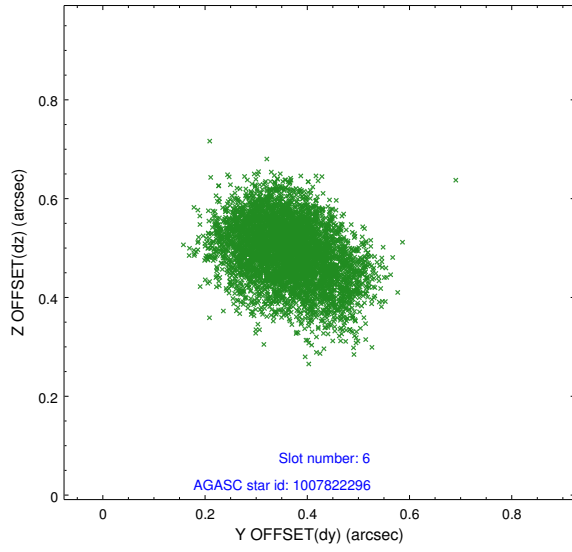
2.4.2 Slot 4



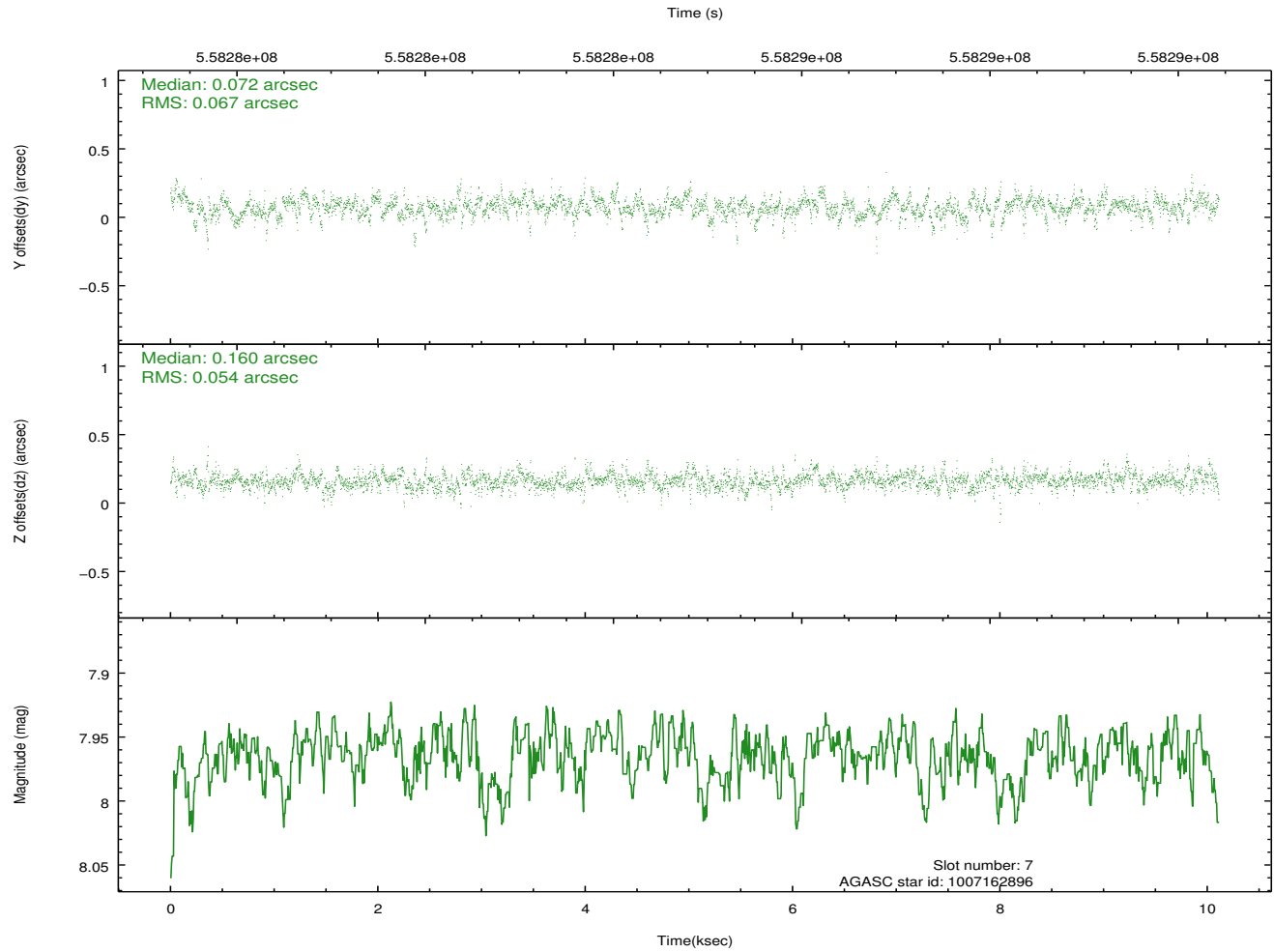
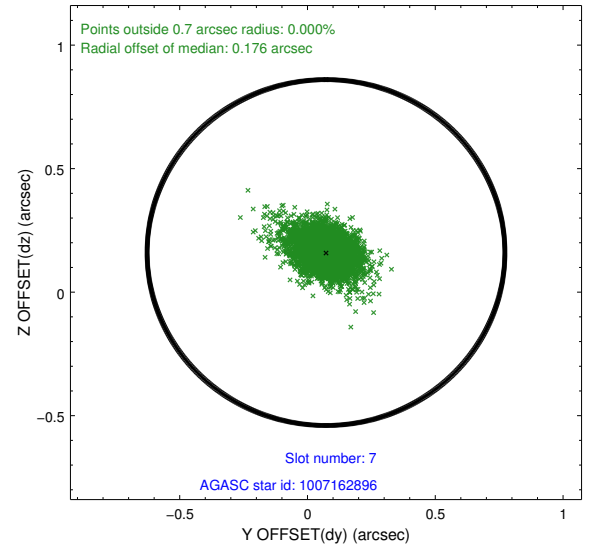
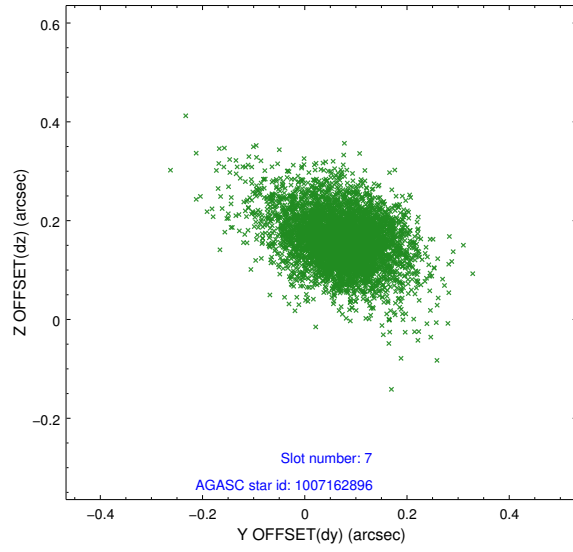
2.4.3 Slot 5



2.4.4 Slot 6

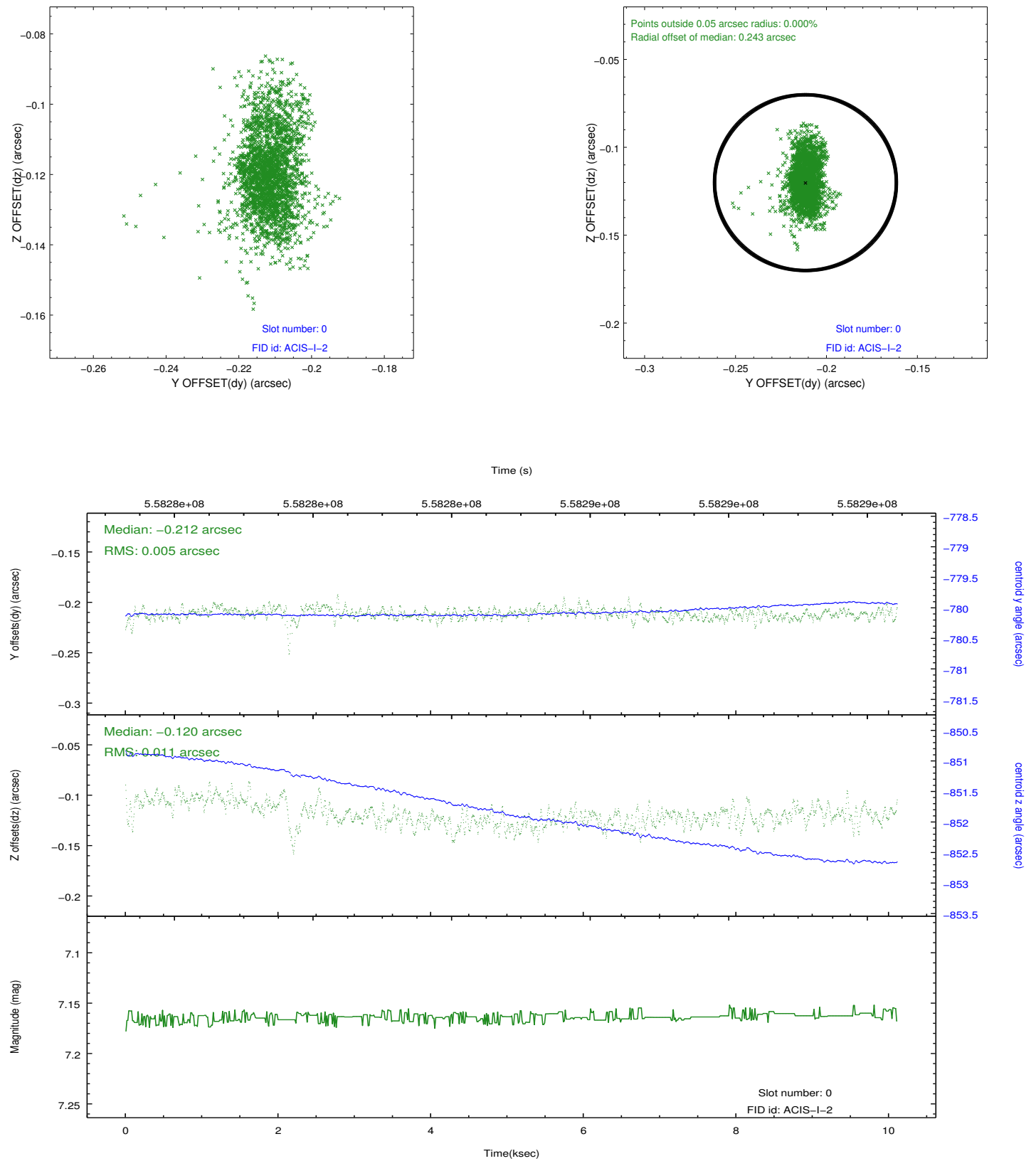


2.4.5 Slot 7

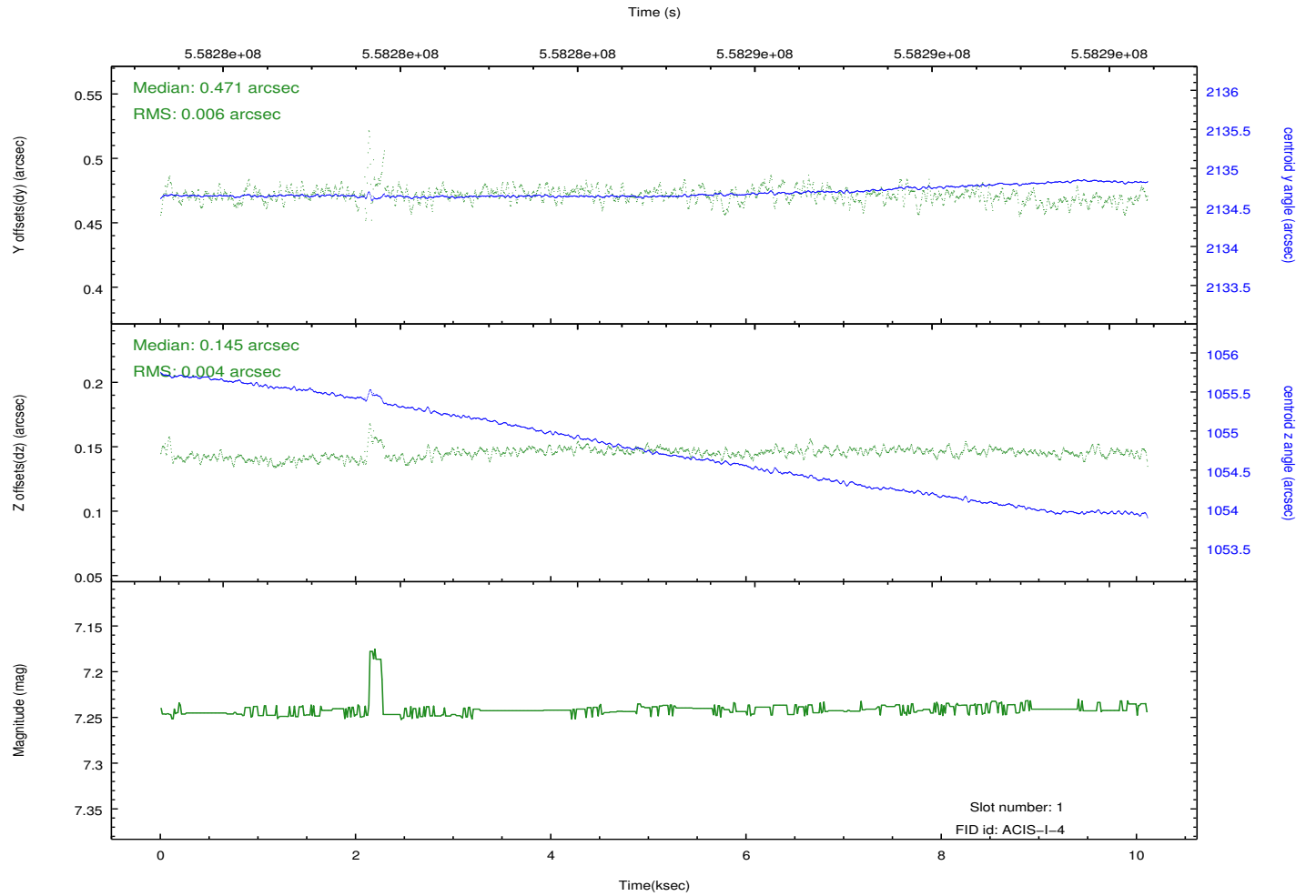
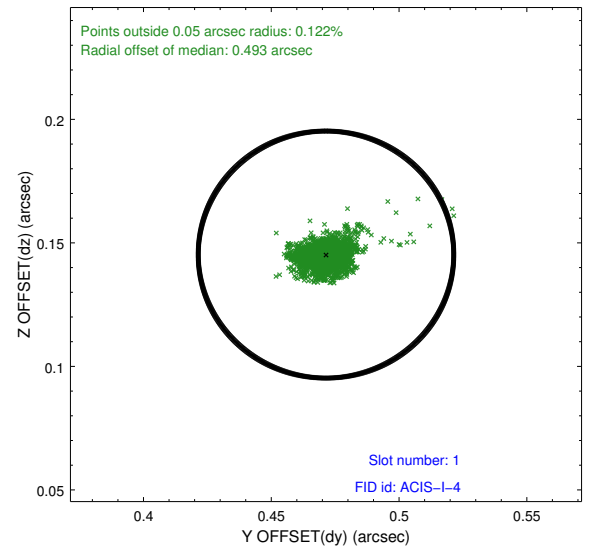
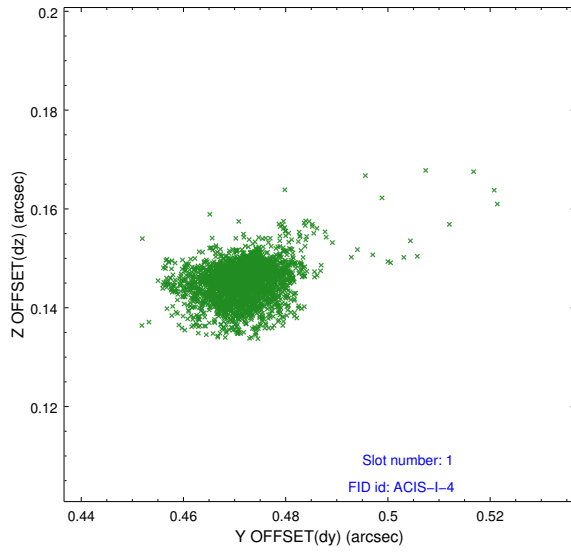


2.5 FID Slots

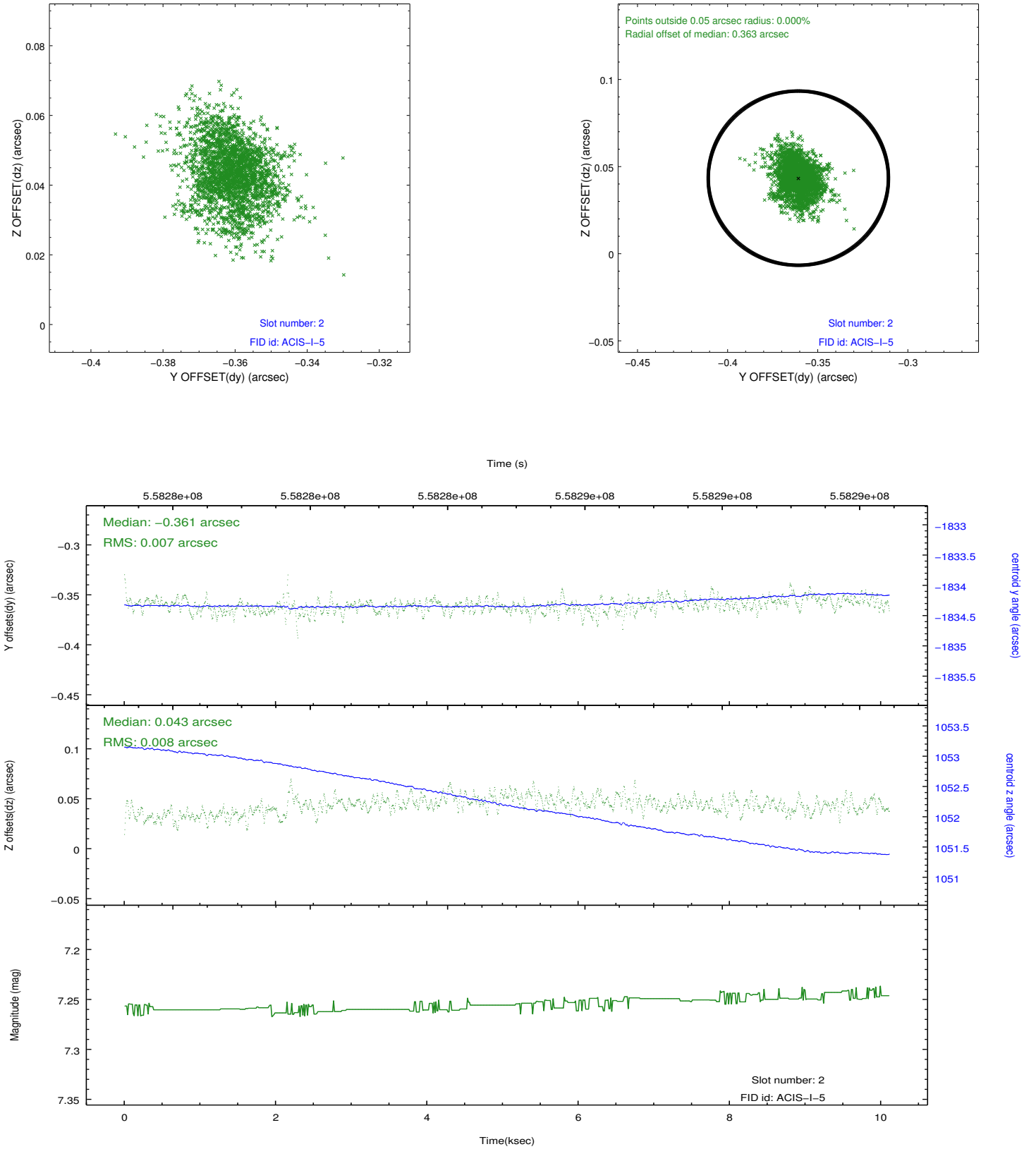
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.06260007751

A.2 Comments