

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17177 - L2 Version 1
Chandra X-Ray Center

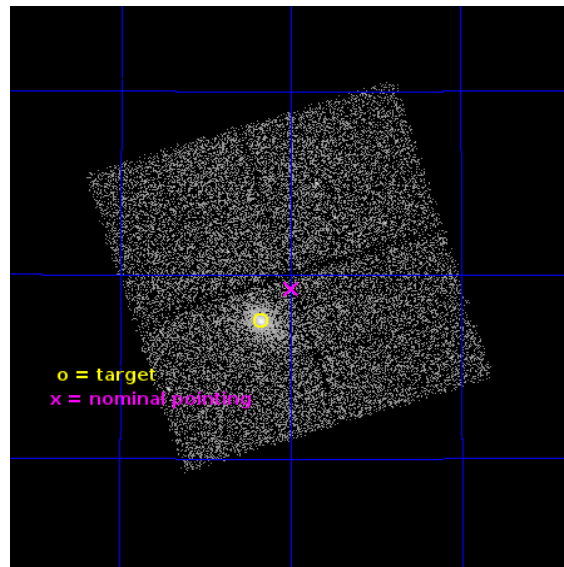
L2 Processing Date : Jan 29 2016

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1 Front

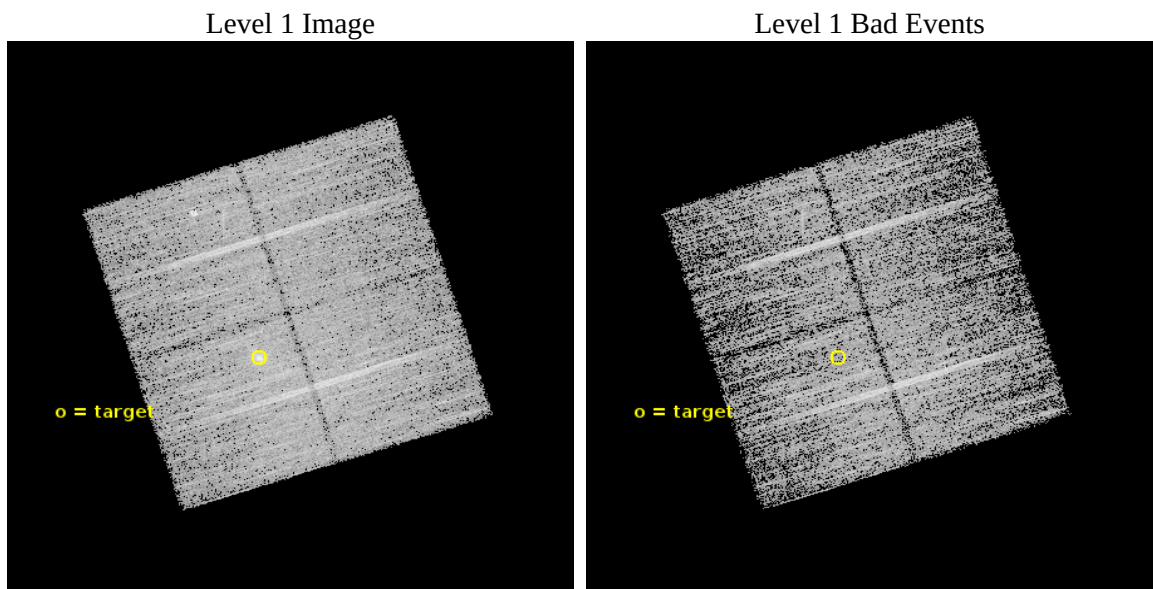
seq_num	801460	Sequence number
obs_id	17177	Observation id
title	UNMASKING GALAXY CLUSTERS MASQUERADING AS QUASARS	Proposal title
observer	Megan Donahue	Principal investigator
object	RXCJ092710.8+532741	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	141.794167	Observer's specified target RA [deg]
dec_targ	53.458778	Observer's specified target Dec [deg]
ra_nom	141.74896924176	Nominal RA [deg]
dec_nom	53.487638215997	Nominal Dec [deg]
roll_nom	162.34877912743	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14082.372182131	Sum of GTIs [s]
livetime	13898.37562228	Livetime [s]
ontime0	14082.249062181	Sum of GTIs [s]
ontime1	14066.584810972	Sum of GTIs [s]
ontime2	14082.331142187	Sum of GTIs [s]
ontime3	14082.372182131	Sum of GTIs [s]
l2events	31354	Number of level 2 events



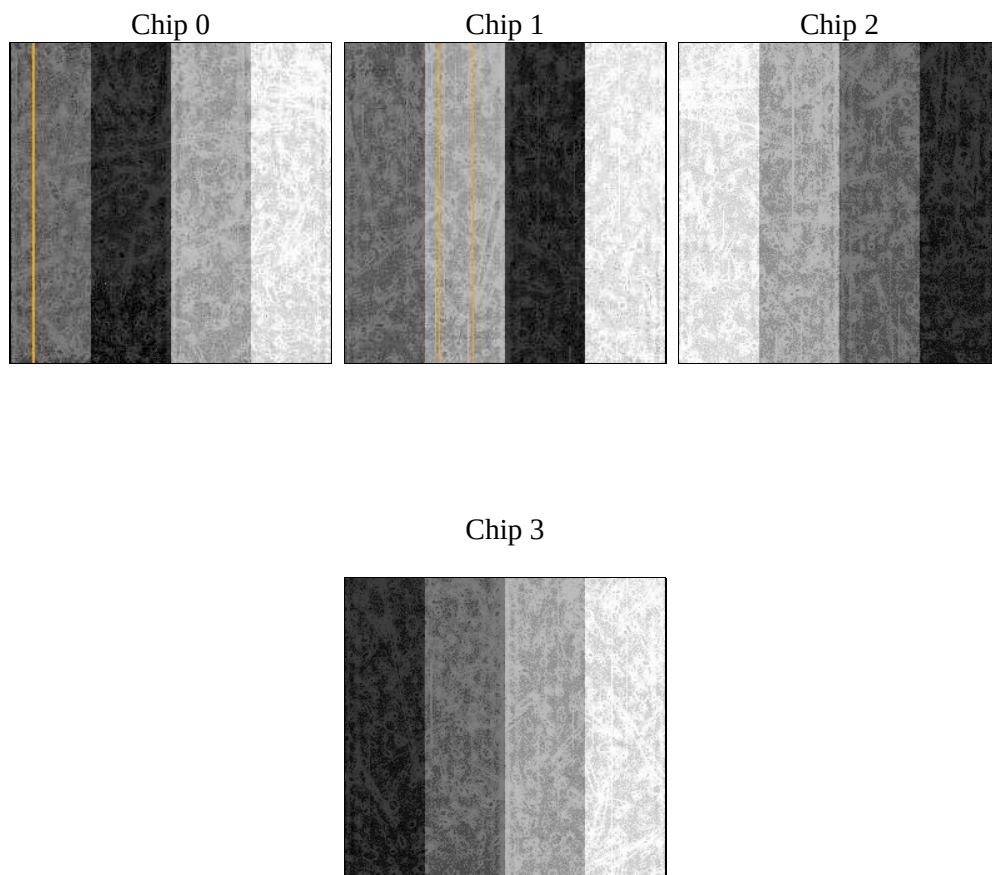
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	14082.372182131	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	14082.249062181	Sum of GTIs [s]
date	2016-01-29T18:10:52	Date and time of file creation	ontime1	14066.584810972	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	14082.331142187	Sum of GTIs [s]
			ontime3	14082.372182131	Sum of GTIs [s]
			l1events	312718	Number of level 1 events

2.1.4 Events

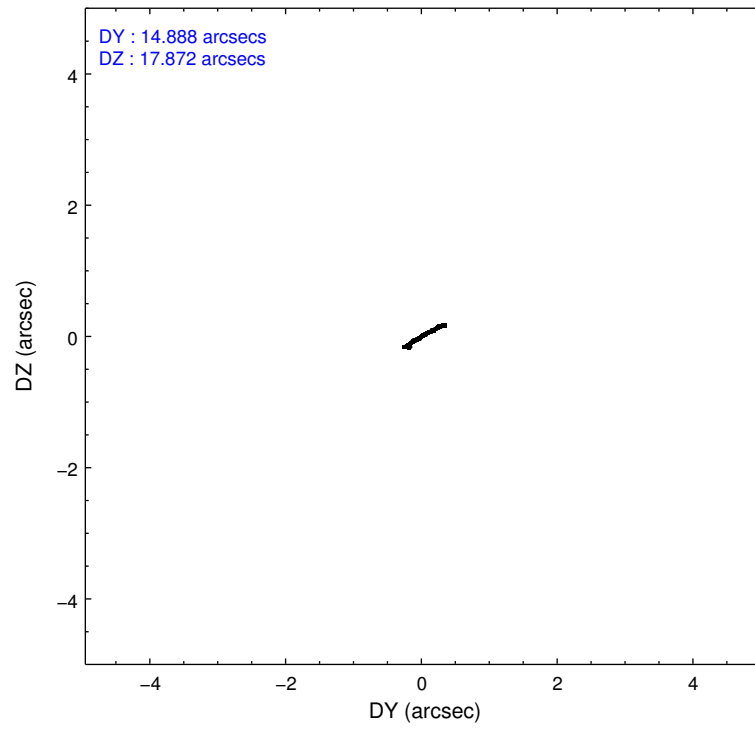
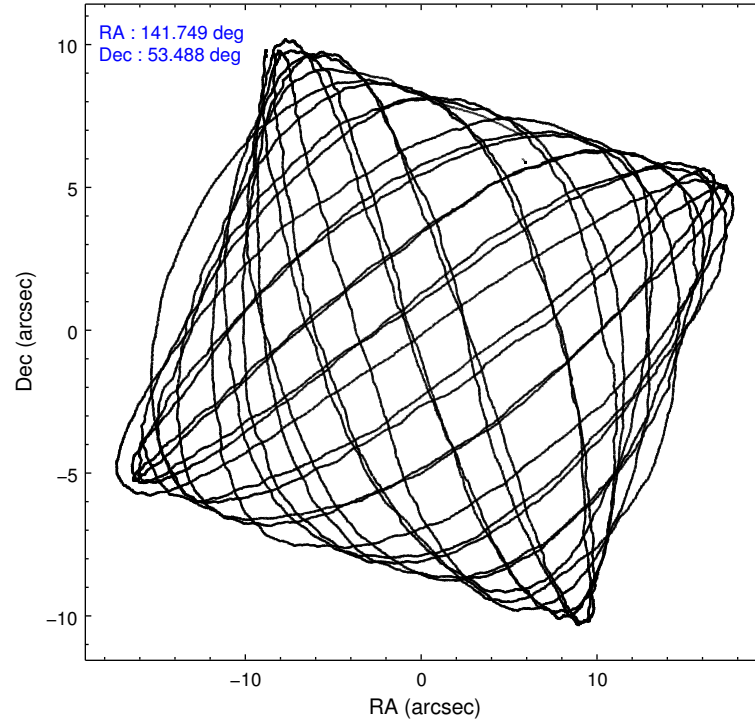
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	72591	75990	80616	83521
rejected events	63753	66455	72194	72513
rejected %	87%	87%	89%	86%

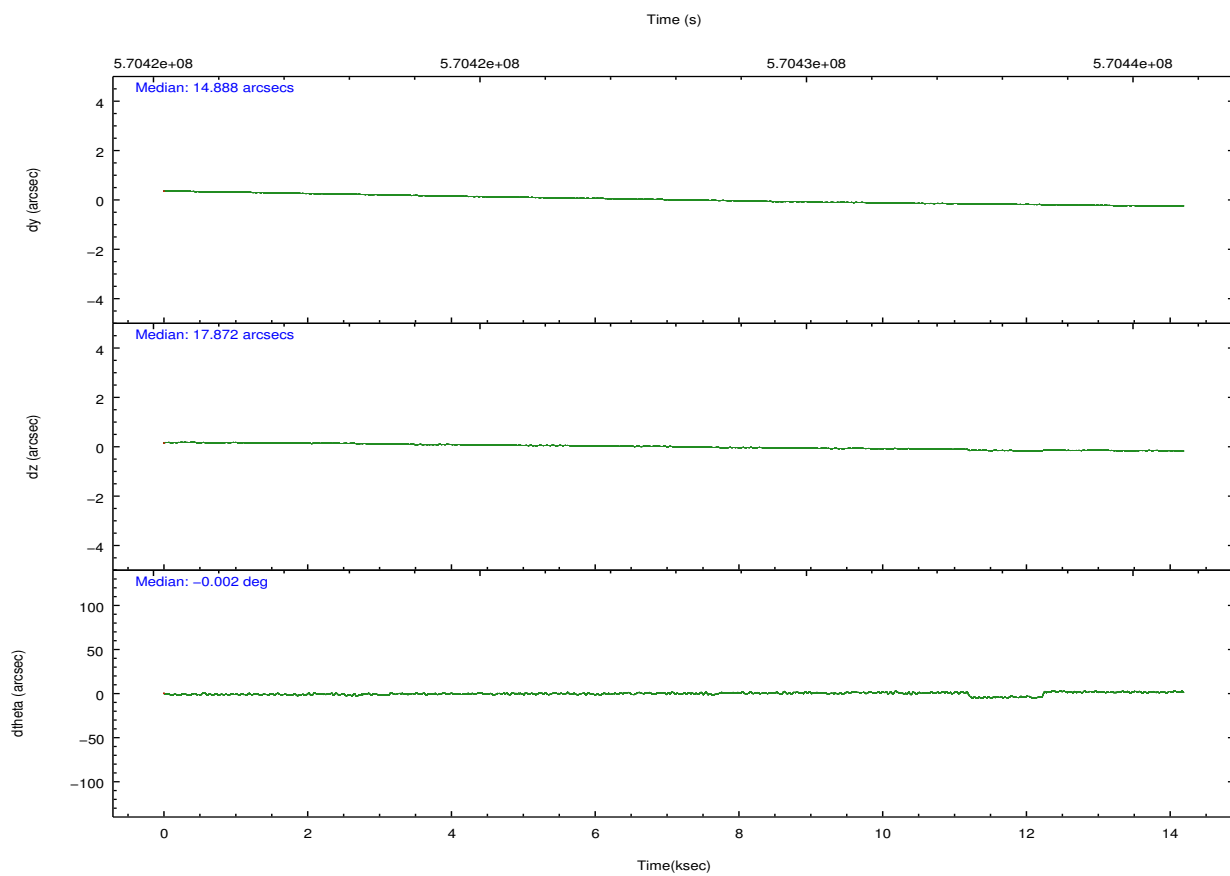
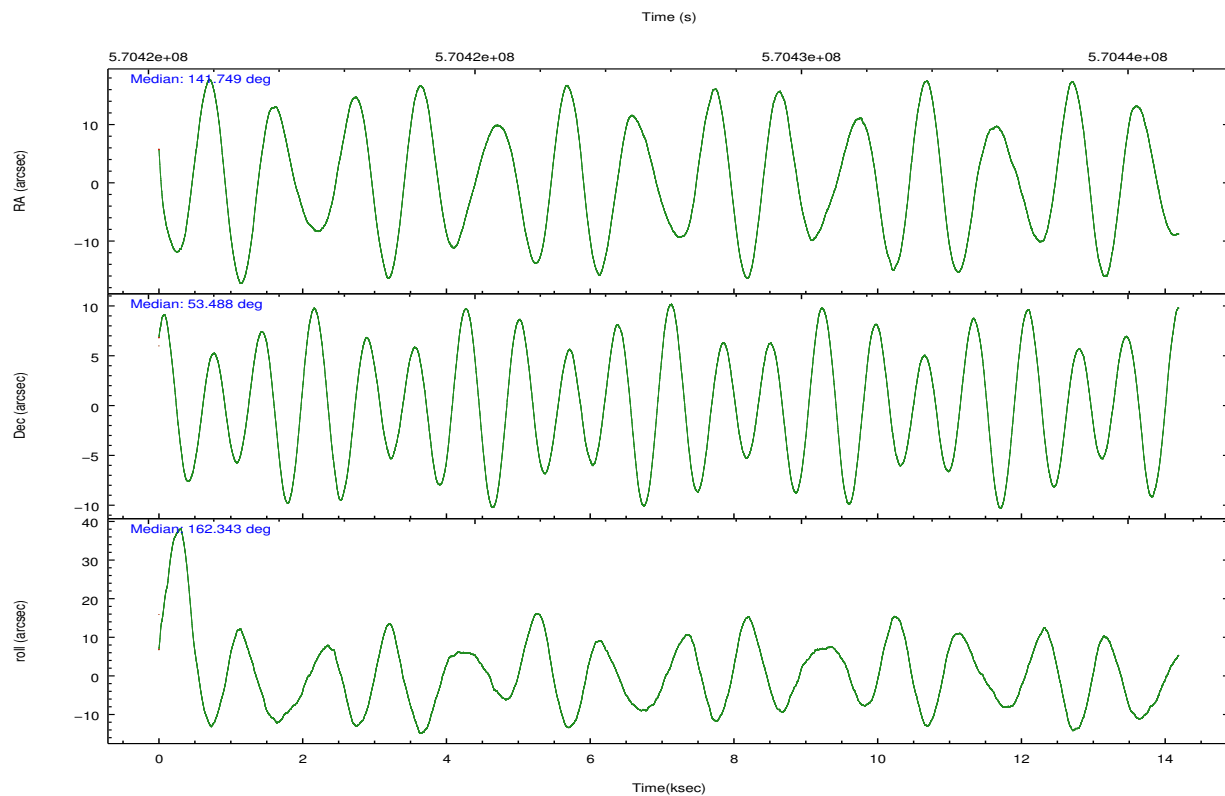
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	3073	3471	3139	5375
	4%	4%	3%	6%
grade 1 events	42	61	44	64
	0%	0%	0%	0%
grade 2 events	2140	2180	1969	2089
	2%	2%	2%	2%
grade 3 events	915	861	837	949
	1%	1%	1%	1%
grade 4 events	909	952	856	881
	1%	1%	1%	1%
grade 5 events	3049	3136	2768	3367
	4%	4%	3%	4%
grade 6 events	1806	2076	1626	1720
	2%	2%	2%	2%
grade 7 events	60657	63253	69377	69076
	83%	83%	86%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	141.794294	141.7489692417633	CCD I2 on	Y	Y
[deg] Pointing Dec	53.493631	53.48763821599736	CCD I3 on	Y	Y
[deg] Pointing Roll	162.103666	162.3487791274316	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	O1	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	570421053.184000	570419764.42761	CCD S5 on	N	N
Observation start date	2016-01-29T02:16:25	2016-01-29T01:56:04	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	570435053.184000	570436087.04103	On-chip summing requested	N	N
Observation end date	2016-01-29T06:09:45	2016-01-29T06:28:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



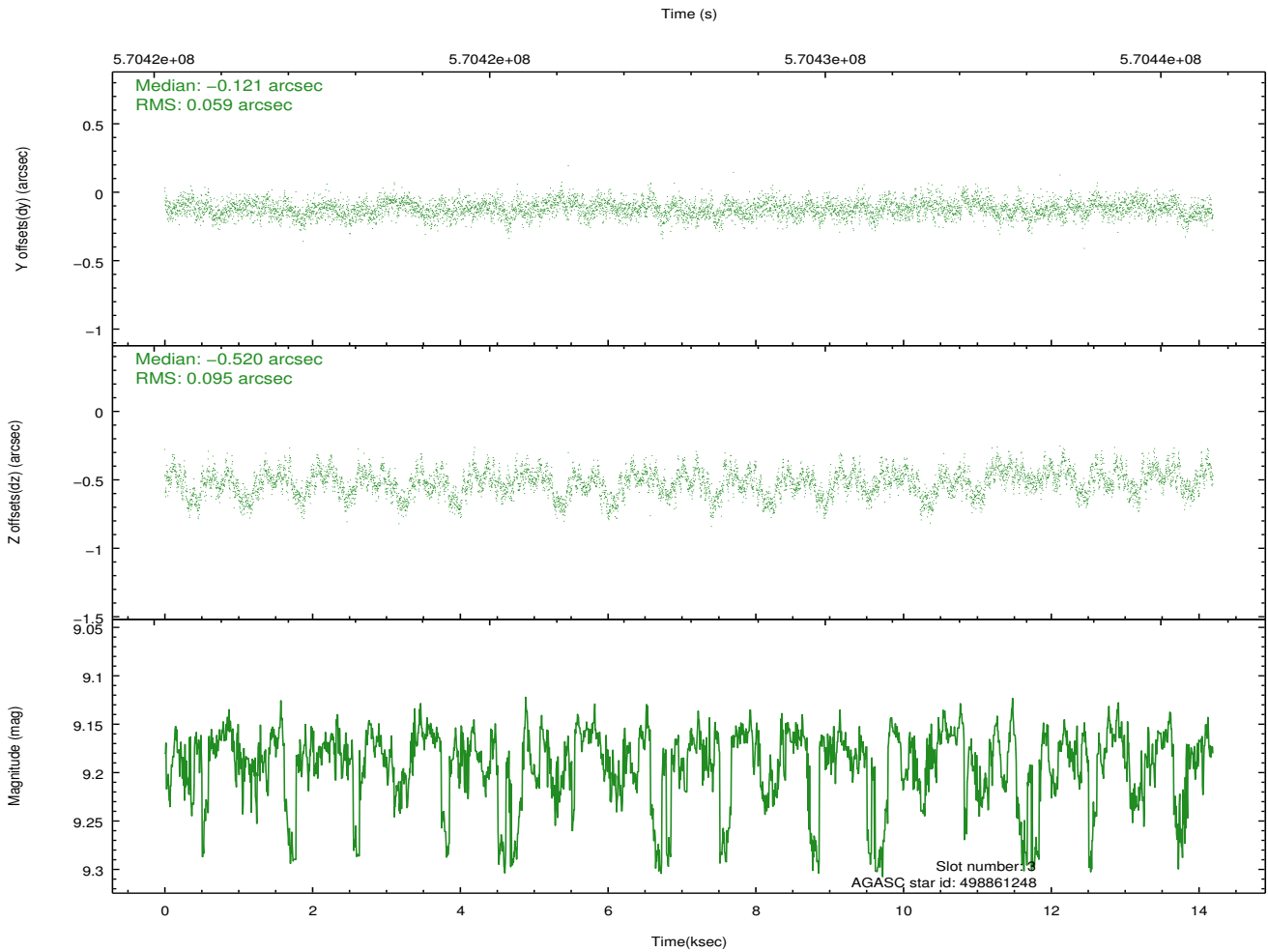
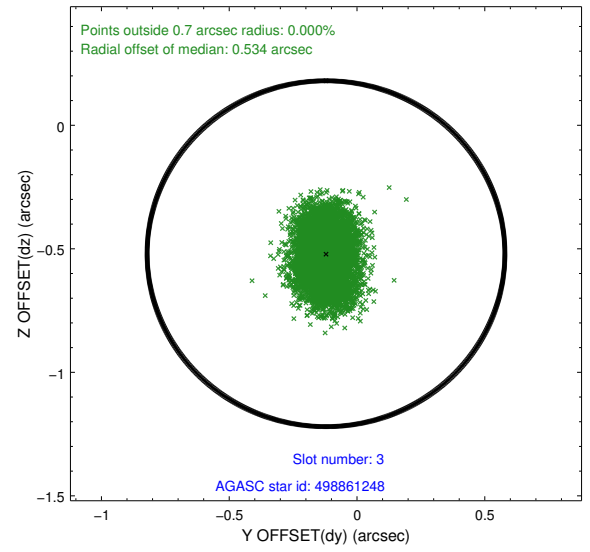
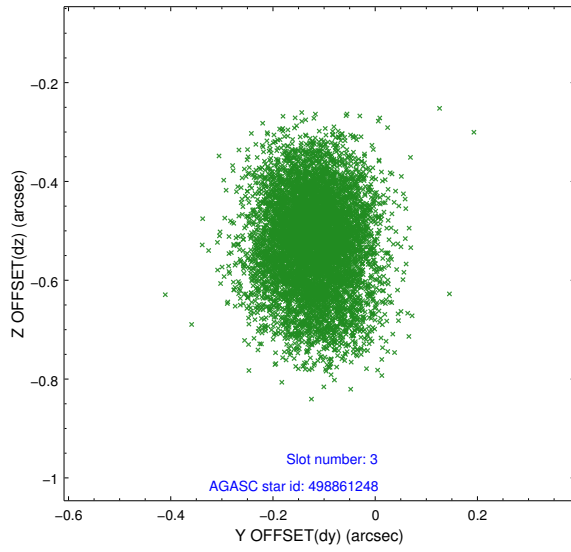


Slot Statistics

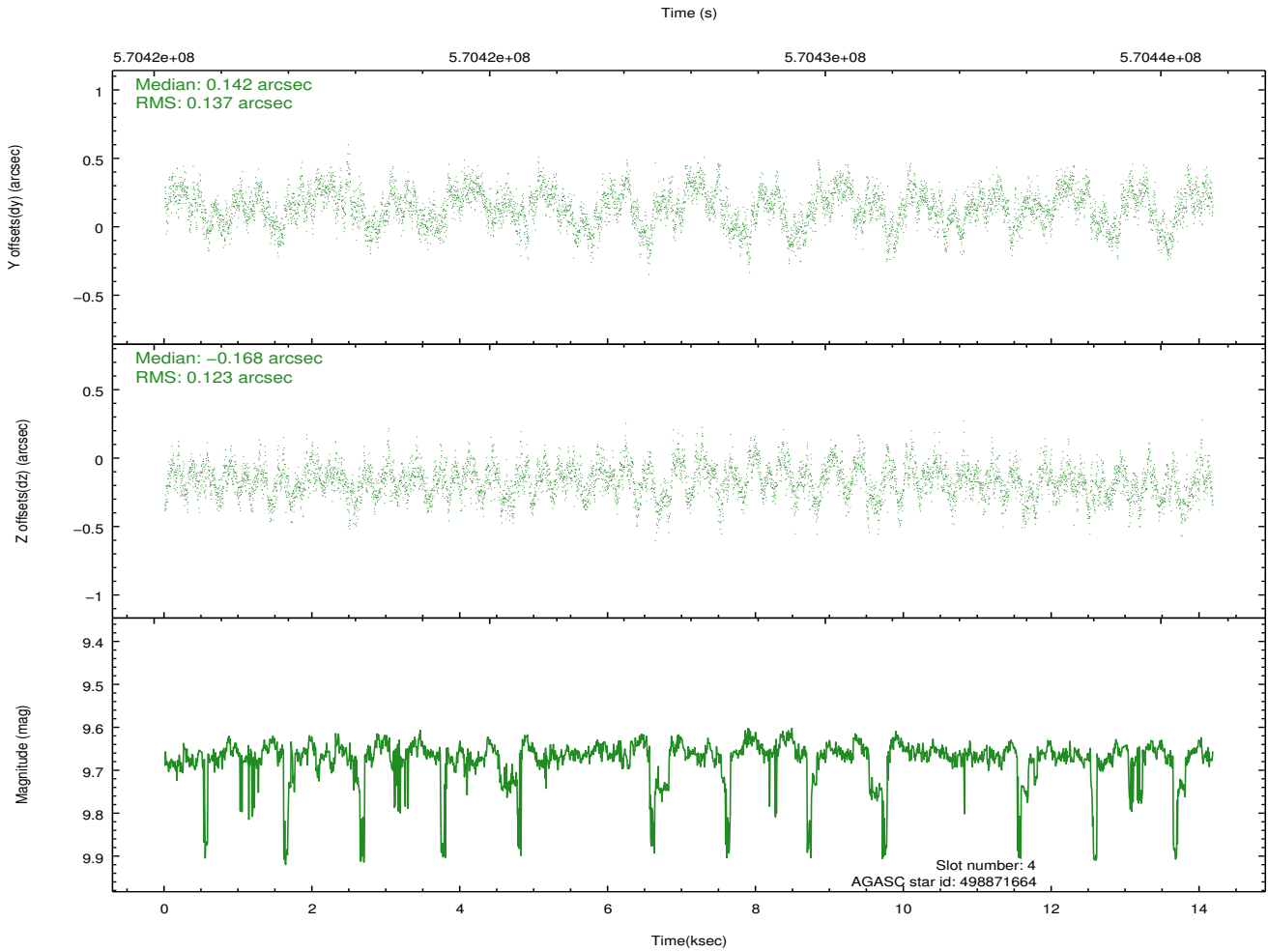
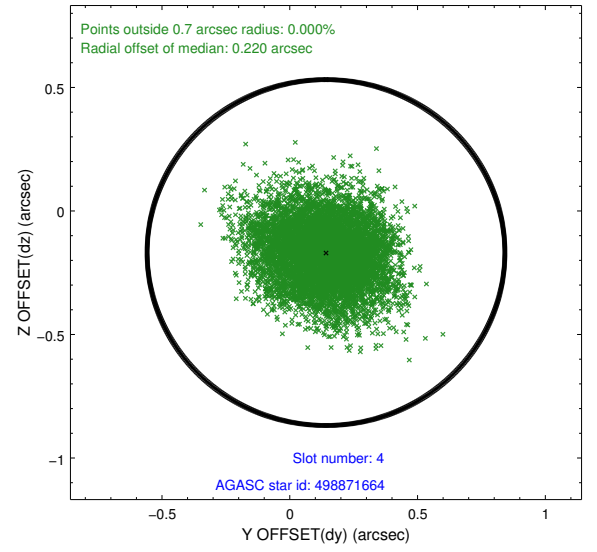
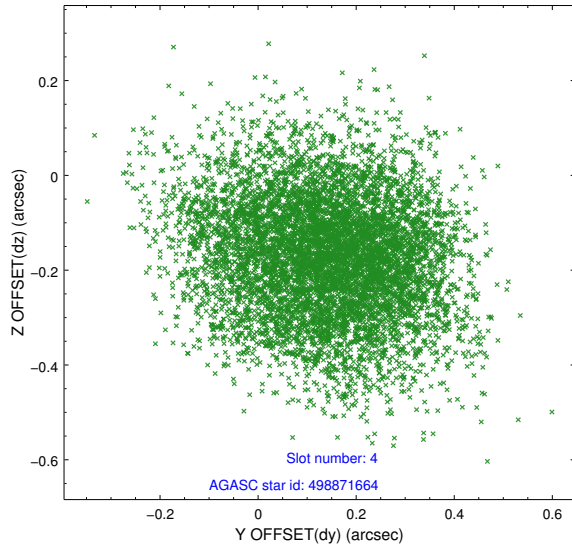
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.15	3461	-0.194	-0.054	0.012	0.041	0.000000	0.000000	-769.82	-847.97
1	FID		ACIS-I-4	7.21	3461	0.429	0.119	0.007	0.019	0.000000	0.000000	2144.71	1058.22
2	FID		ACIS-I-5	7.26	3461	-0.336	0.004	0.011	0.025	0.000000	0.000000	-1823.37	1056.31
3	GUIDE	used	498861248	9.18	6914	-0.121	-0.520	0.118	0.198	140.838605	53.293683	1740.20	1304.62
4	GUIDE	used	498871664	9.66	6905	0.142	-0.168	0.197	0.312	141.230410	54.237893	1954.52	-2189.02
5	GUIDE	used	498872000	8.67	6920	0.259	-0.061	0.112	0.174	142.173742	53.802293	-424.75	-1307.39
6	GUIDE	used	498874112	9.01	6918	-0.299	0.745	0.152	0.235	141.525730	53.728838	804.84	-630.07
7	GUIDE	used	498872640	9.32	6914	0.023	0.005	0.108	0.175	141.504266	53.704036	821.79	-531.76

2.4 Star Slots

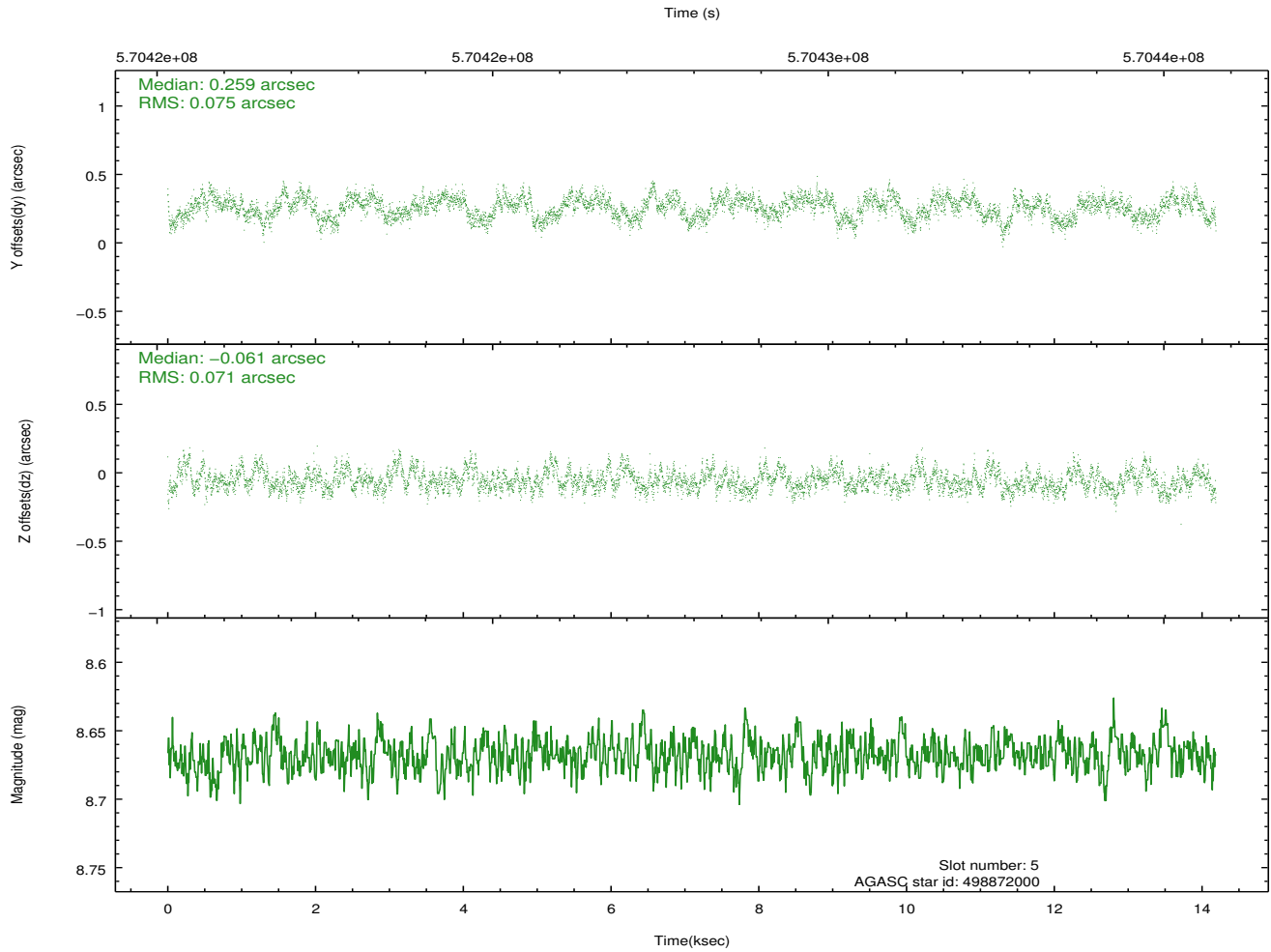
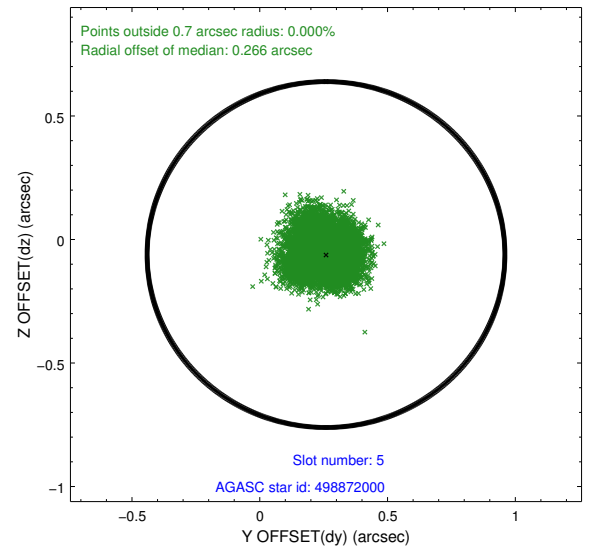
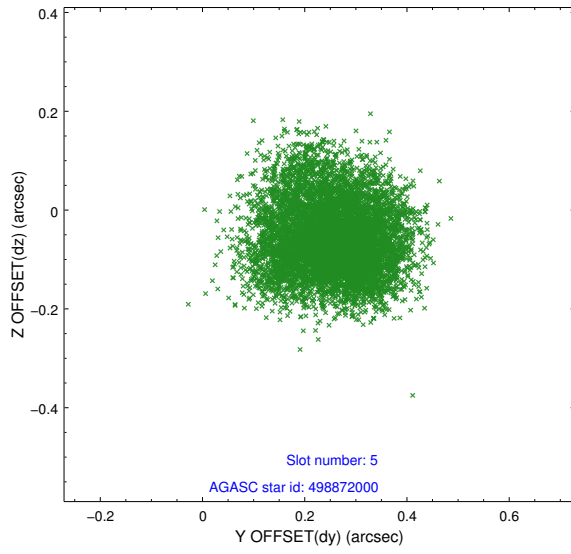
2.4.1 Slot 3



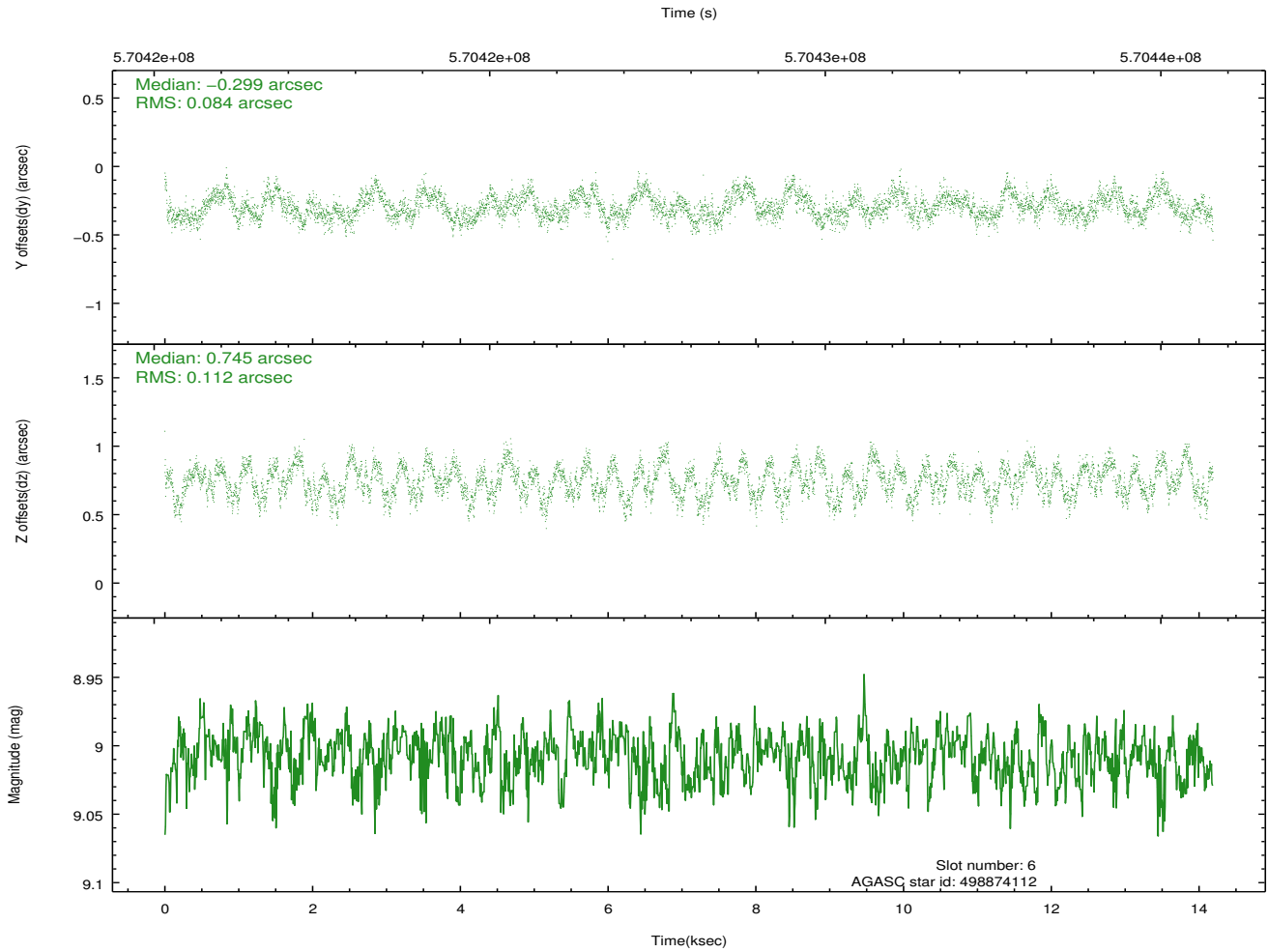
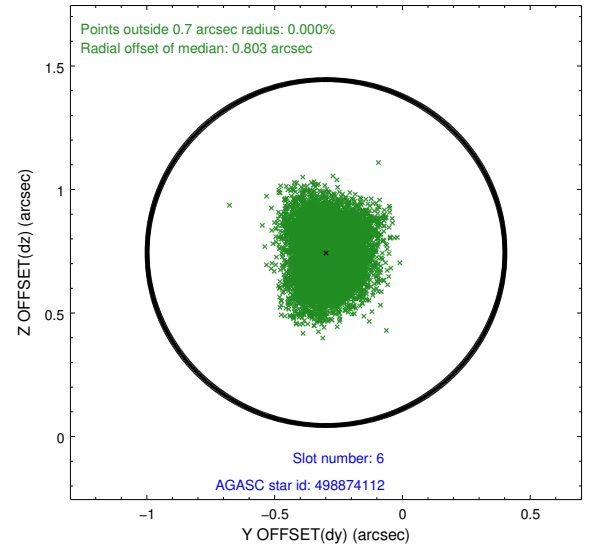
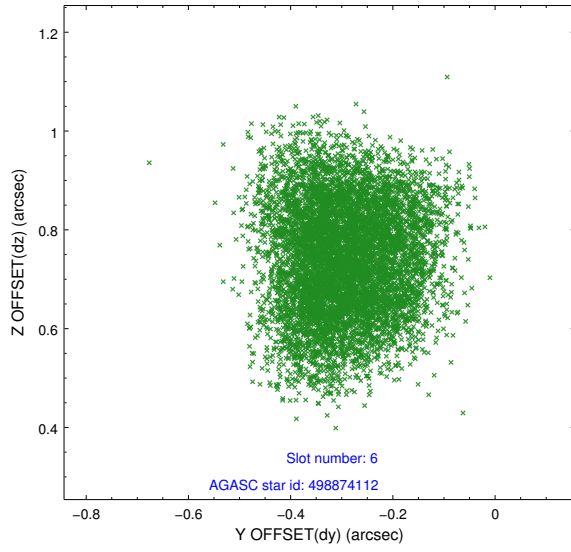
2.4.2 Slot 4



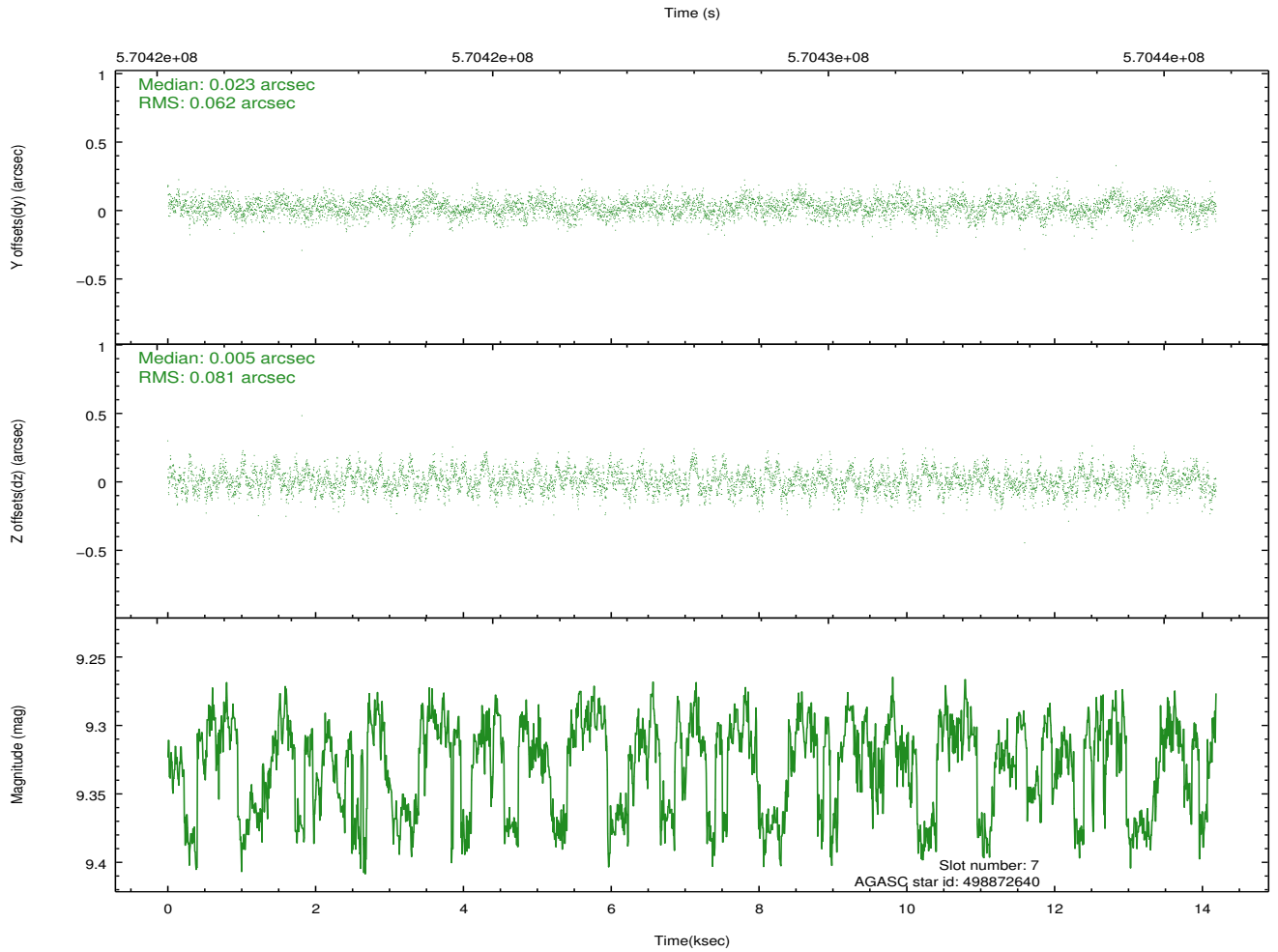
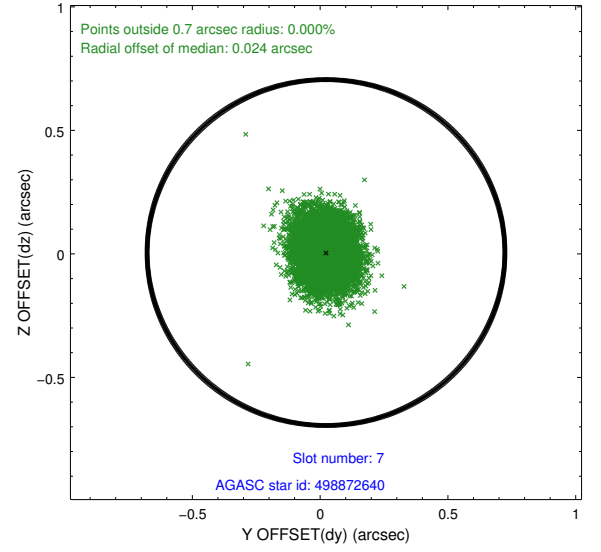
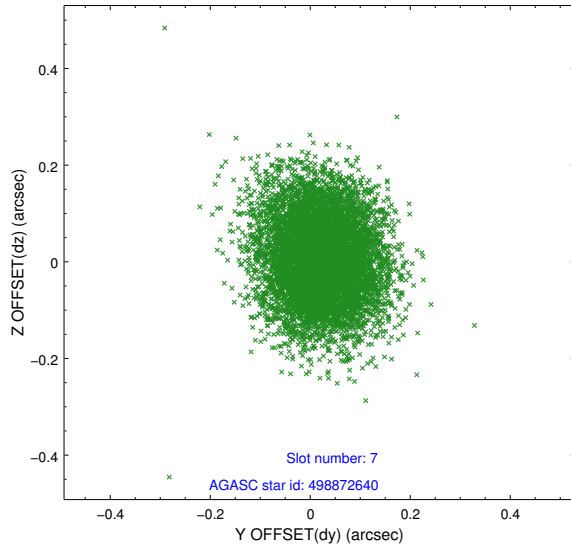
2.4.3 Slot 5



2.4.4 Slot 6

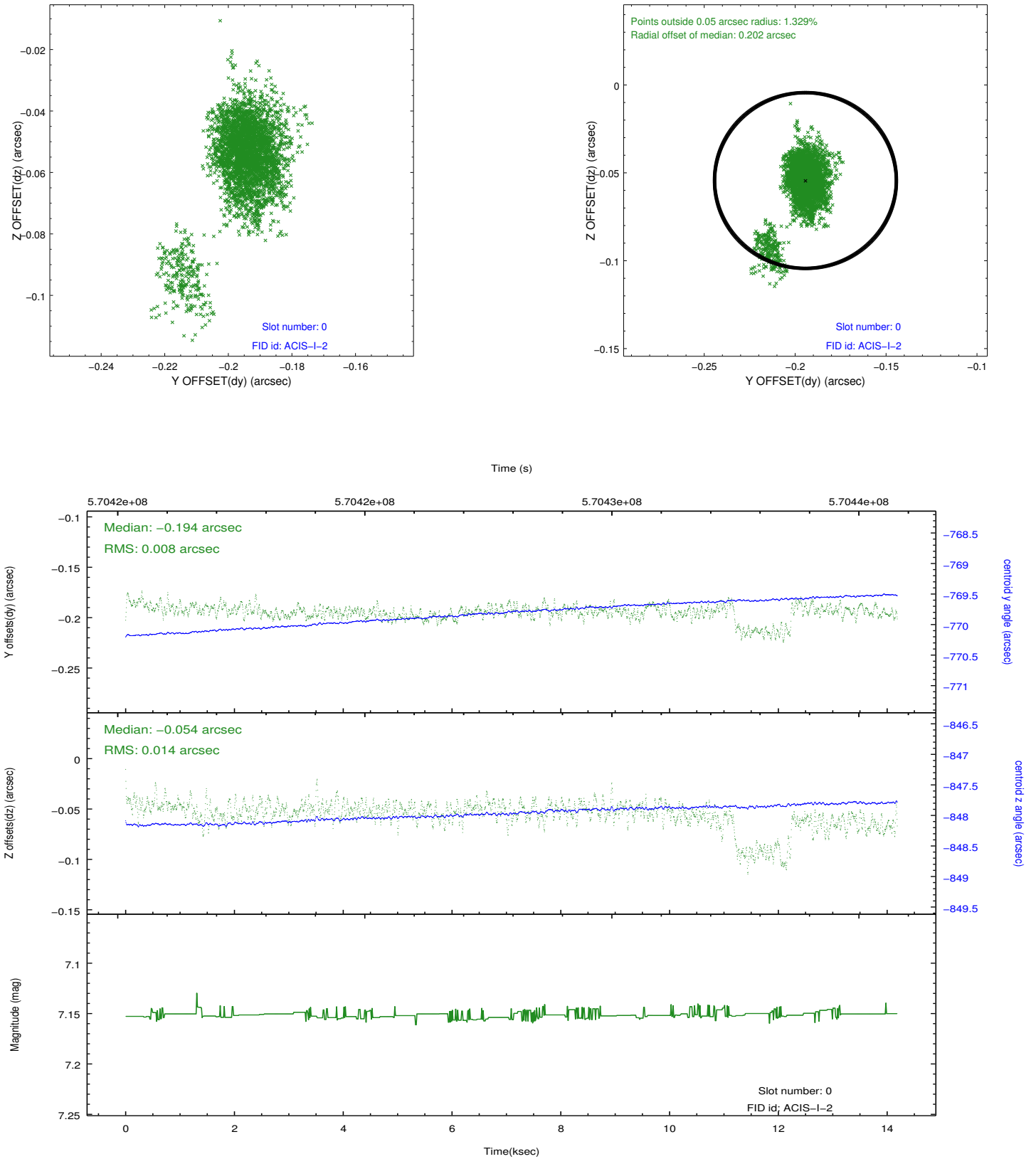


2.4.5 Slot 7

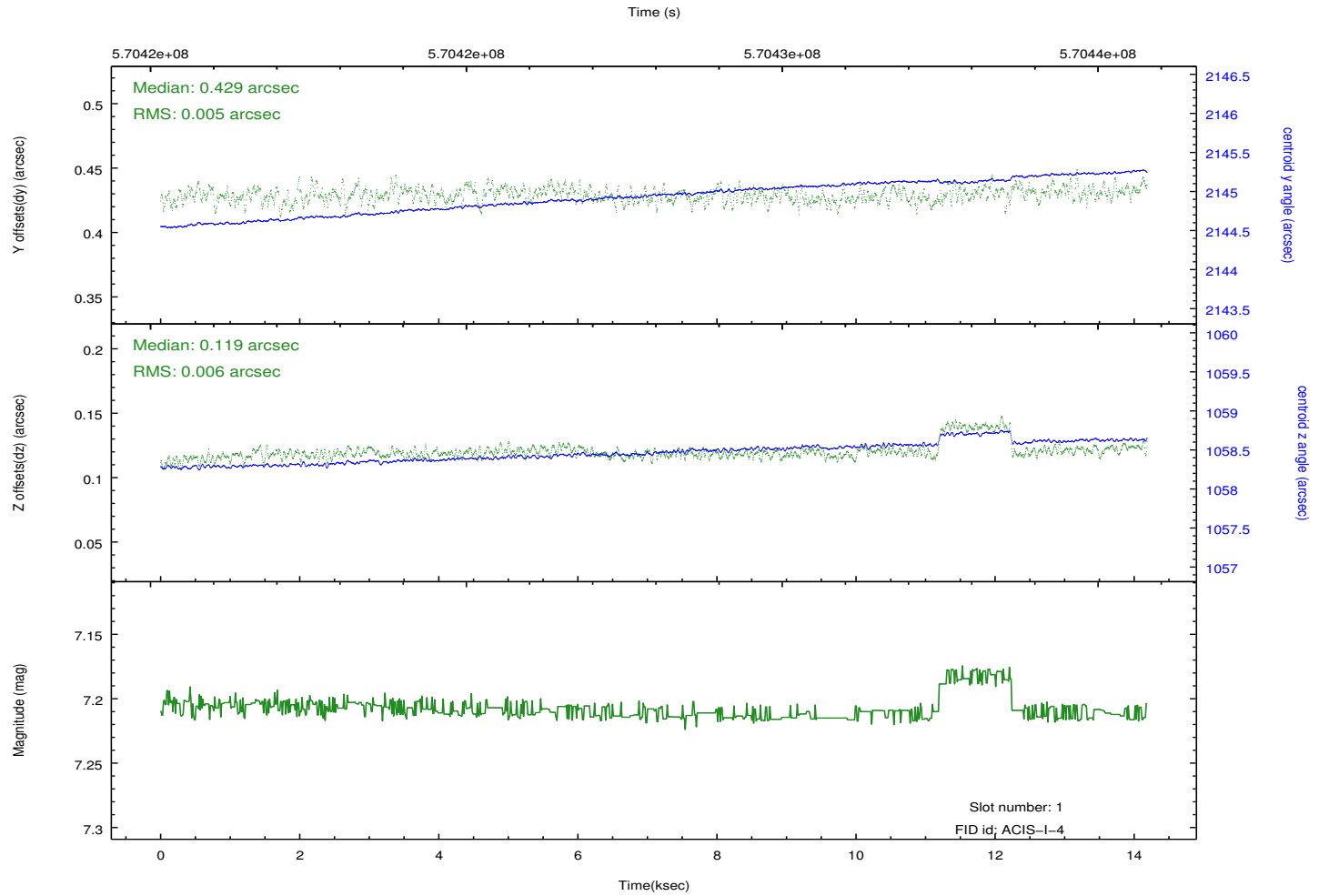
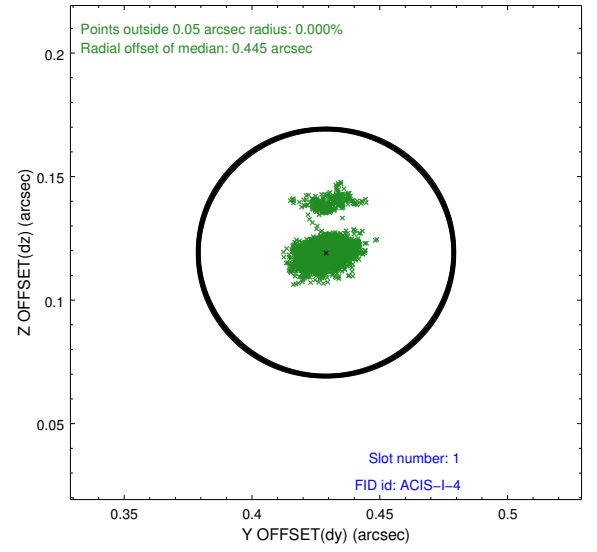
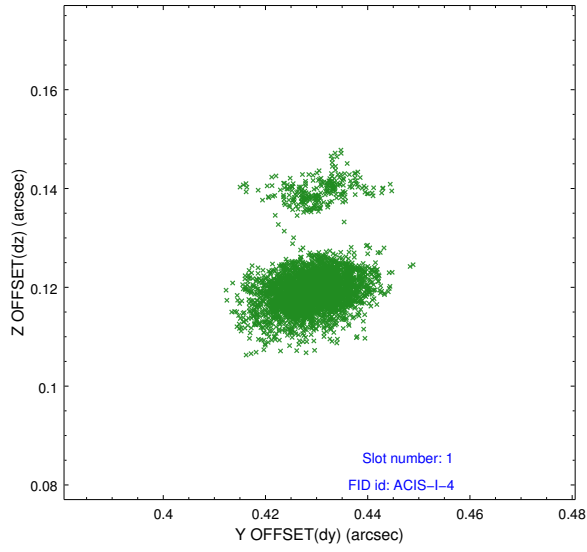


2.5 FID Slots

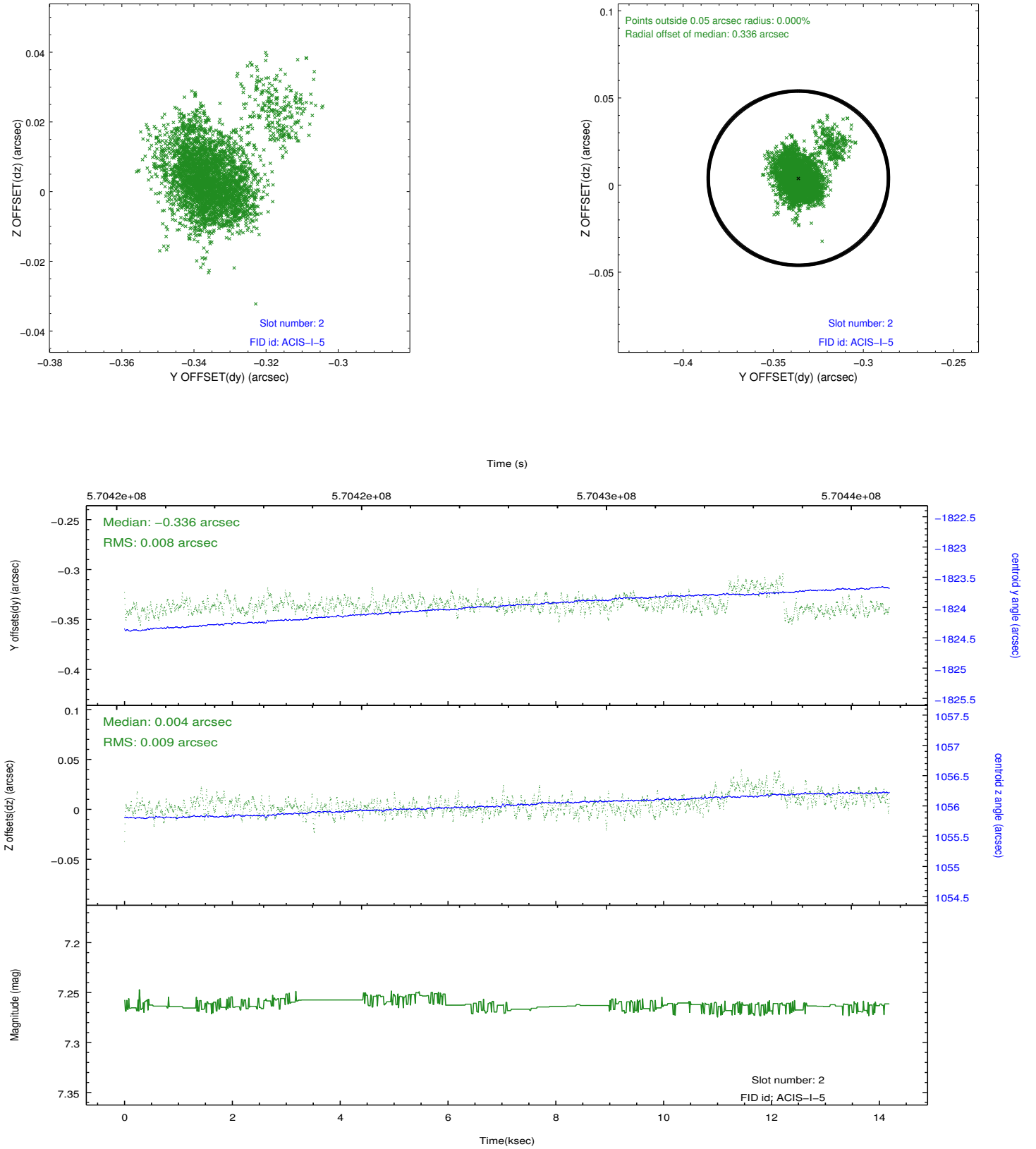
2.5.1 Slot 0



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)	2016.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.082372182131

A.2 Comments

Optional chip S2 not used.