

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 17187 - L2 Version 1
Chandra X-Ray Center

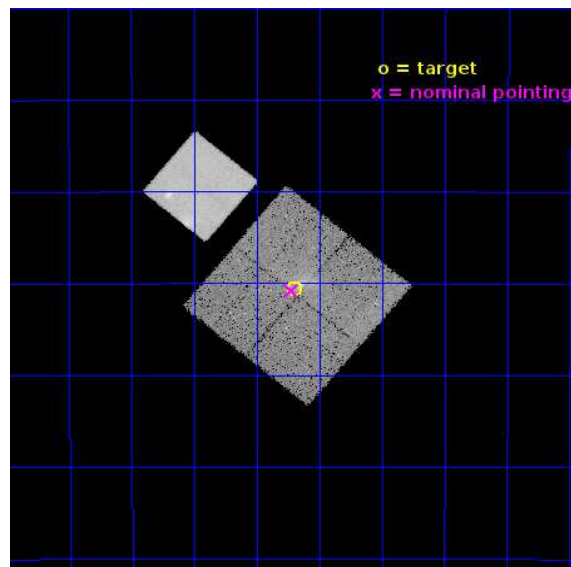
L2 Processing Date : Dec 15 2015

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1 Front

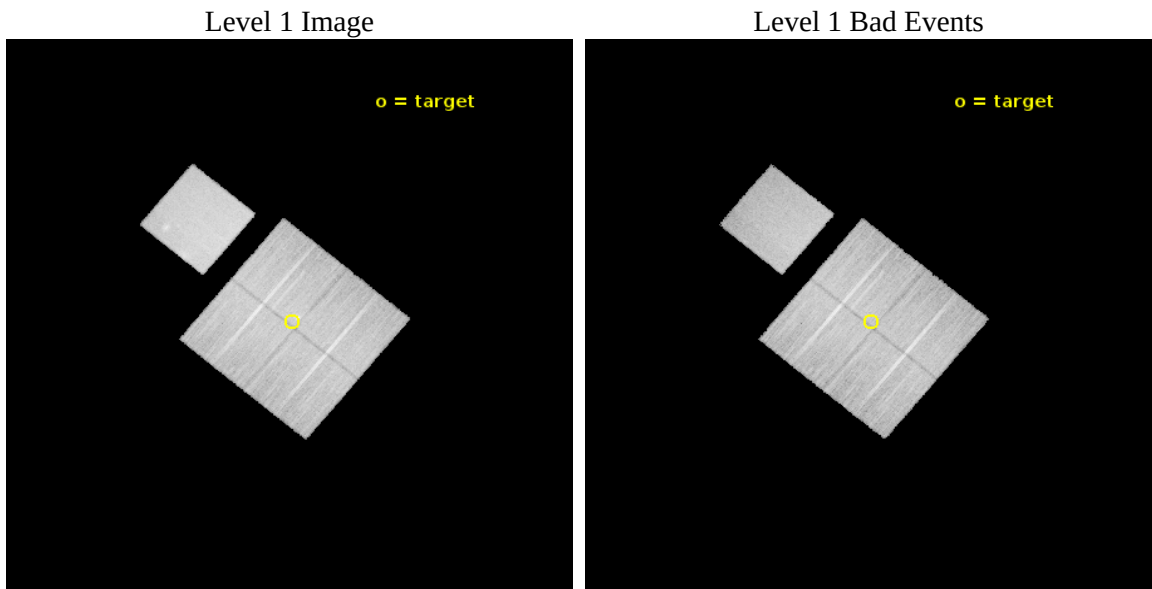
seq_num	801470	Sequence number
obs_id	17187	Observation id
title	Completing the survey of the most massive southern galaxy clusters	
observer	Prof. Hans Boehringer	Principal investigator
object	RXCJ0151.6-2900	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	27.924583	Observer's specified target RA [deg]
dec_targ	-29.010306	Observer's specified target Dec [deg]
ra_nom	27.931046841092	Nominal RA [deg]
dec_nom	-29.013323146172	Nominal Dec [deg]
roll_nom	309.58373802423	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30228.100232601	Sum of GTIs [s]
livetime	29833.147849459	Livetime [s]
ontime0	30228.100232601	Sum of GTIs [s]
ontime1	30228.100232601	Sum of GTIs [s]
ontime2	30228.100232601	Sum of GTIs [s]
ontime3	30228.100232601	Sum of GTIs [s]
ontime7	30228.100232601	Sum of GTIs [s]
l2events	158888	Number of level 2 events



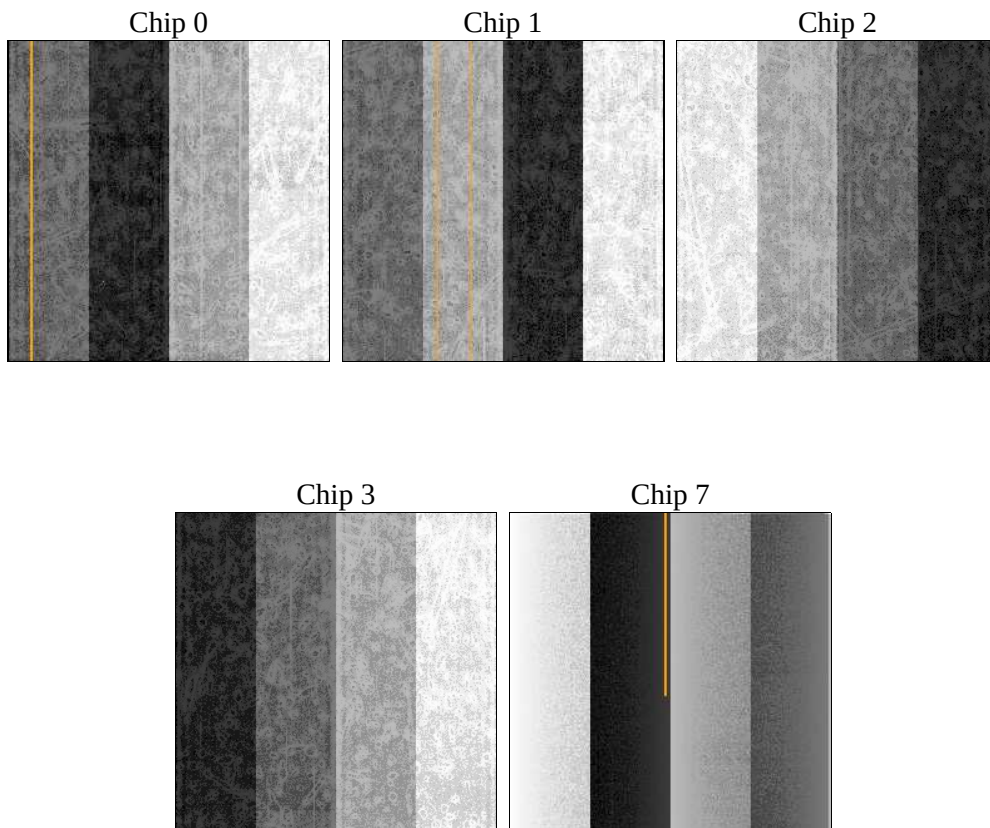
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	30164.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	30228.100232601	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	30228.100232601	Sum of GTIs [s]
date	2015-12-16T00:59:14	Date and time of file creation	ontime1	30228.100232601	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	30228.100232601	Sum of GTIs [s]
			ontime3	30228.100232601	Sum of GTIs [s]
			ontime7	30228.100232601	Sum of GTIs [s]
			l1events	857820	Number of level 1 events

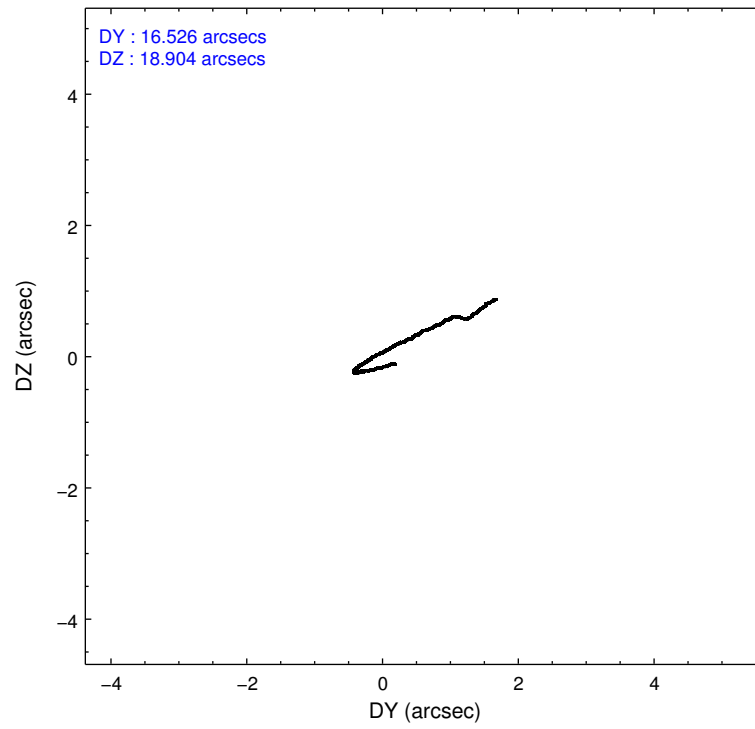
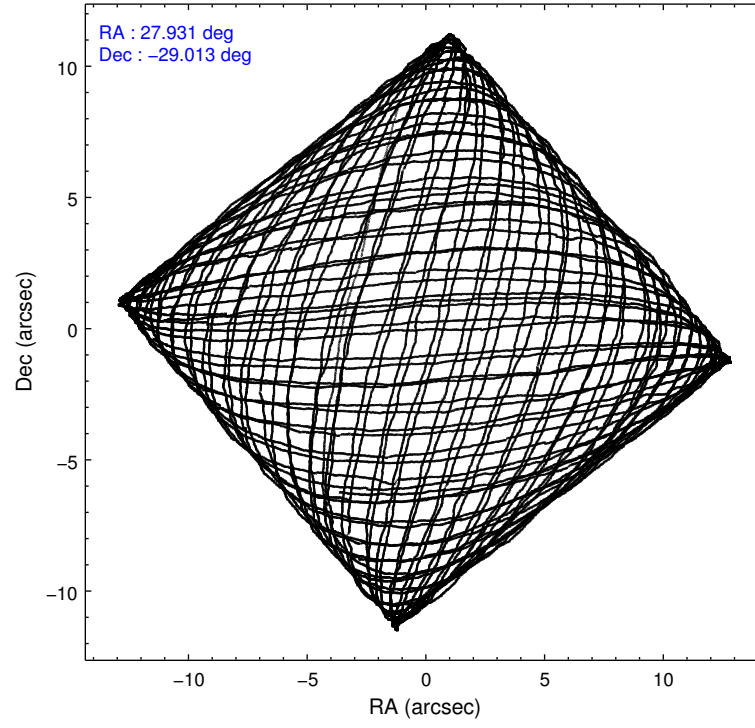
2.1.4 Events

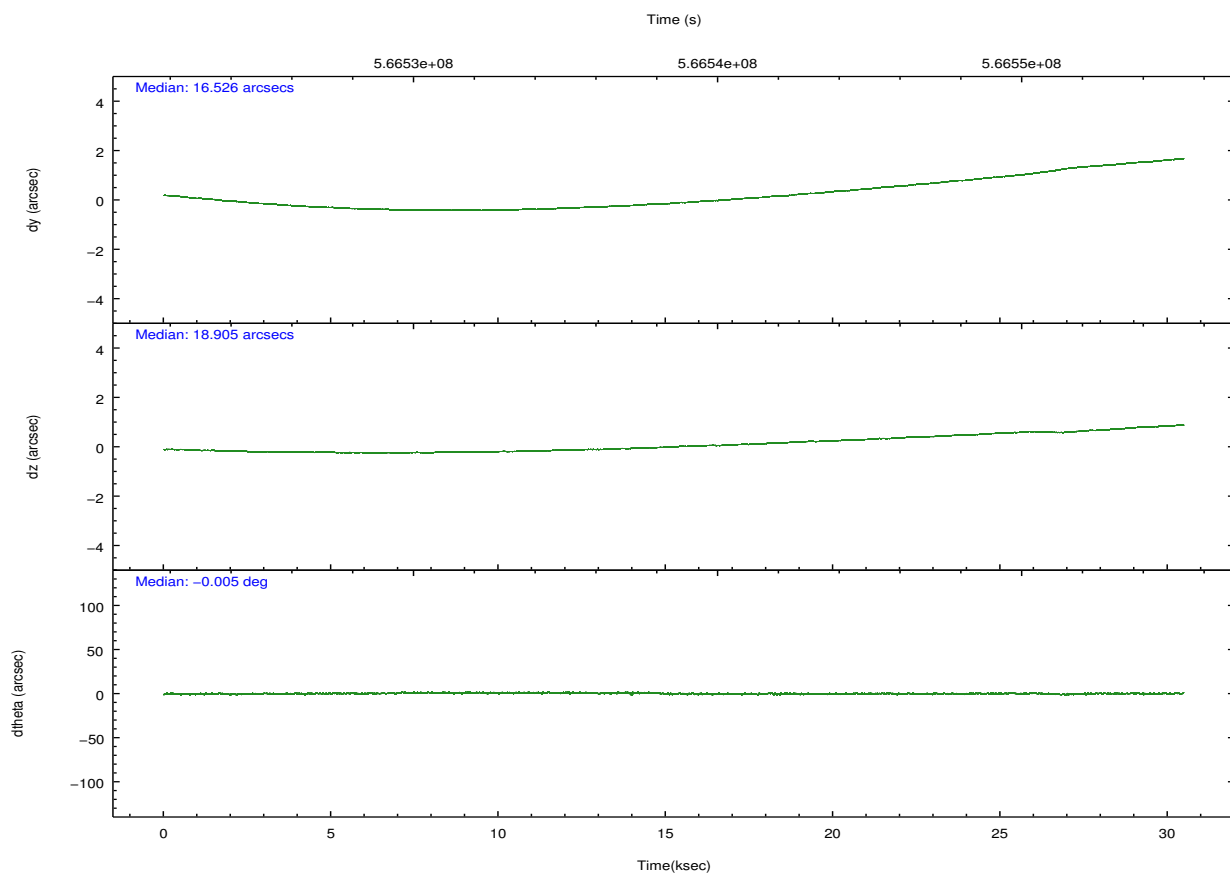
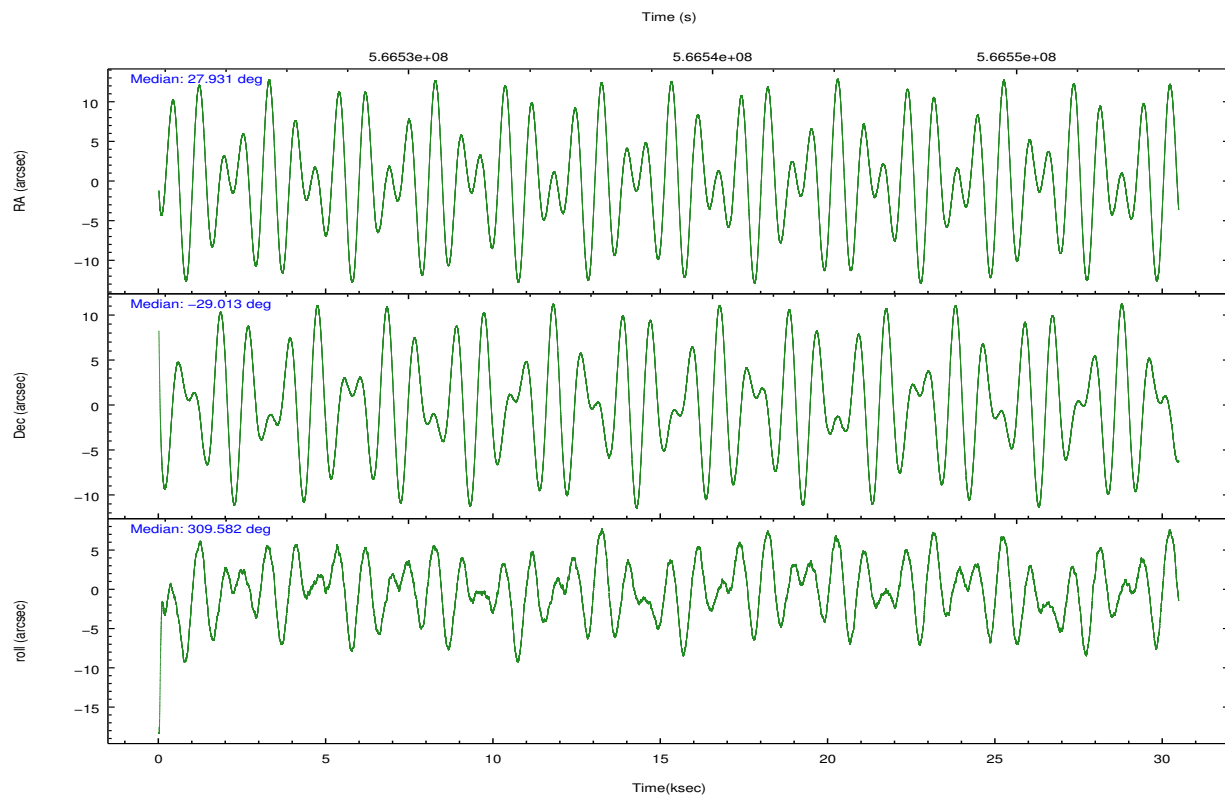
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	150765	152925	166871	165576	221683	grade 0 events	6004	7478	6454	8382	8577
rejected events	132922	131616	149027	145220	125947		3%	4%	3%	5%	3%
rejected %	88%	86%	89%	87%	56%	grade 1 events	83	78	89	90	247
							0%	0%	0%	0%	0%
						grade 2 events	4405	5301	4258	4202	20209
							2%	3%	2%	2%	9%
						grade 3 events	1850	1919	1766	1884	7435
							1%	1%	1%	1%	3%
						grade 4 events	1701	1916	1793	1997	7375
							1%	1%	1%	1%	3%
						grade 5 events	6975	7313	6472	8357	21251
							4%	4%	3%	5%	9%
						grade 6 events	3883	4698	3573	3894	52147
							2%	3%	2%	2%	23%
						grade 7 events	125864	124222	142466	136770	104442
							83%	81%	85%	82%	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	27.901416	27.93104684109217	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.003767	-29.01332314617173	CCD I3 on	Y	Y
[deg] Pointing Roll	309.360686	309.5837380242295	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)	566523656.184000	566522653.21889	CCD S5 on	N	N
Observation start date	2015-12-14T23:39:48	2015-12-14T23:24:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	566553820.184000	566554513.2956899	On-chip summing requested	N	N
Observation end date	2015-12-15T08:02:32	2015-12-15T08:15:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



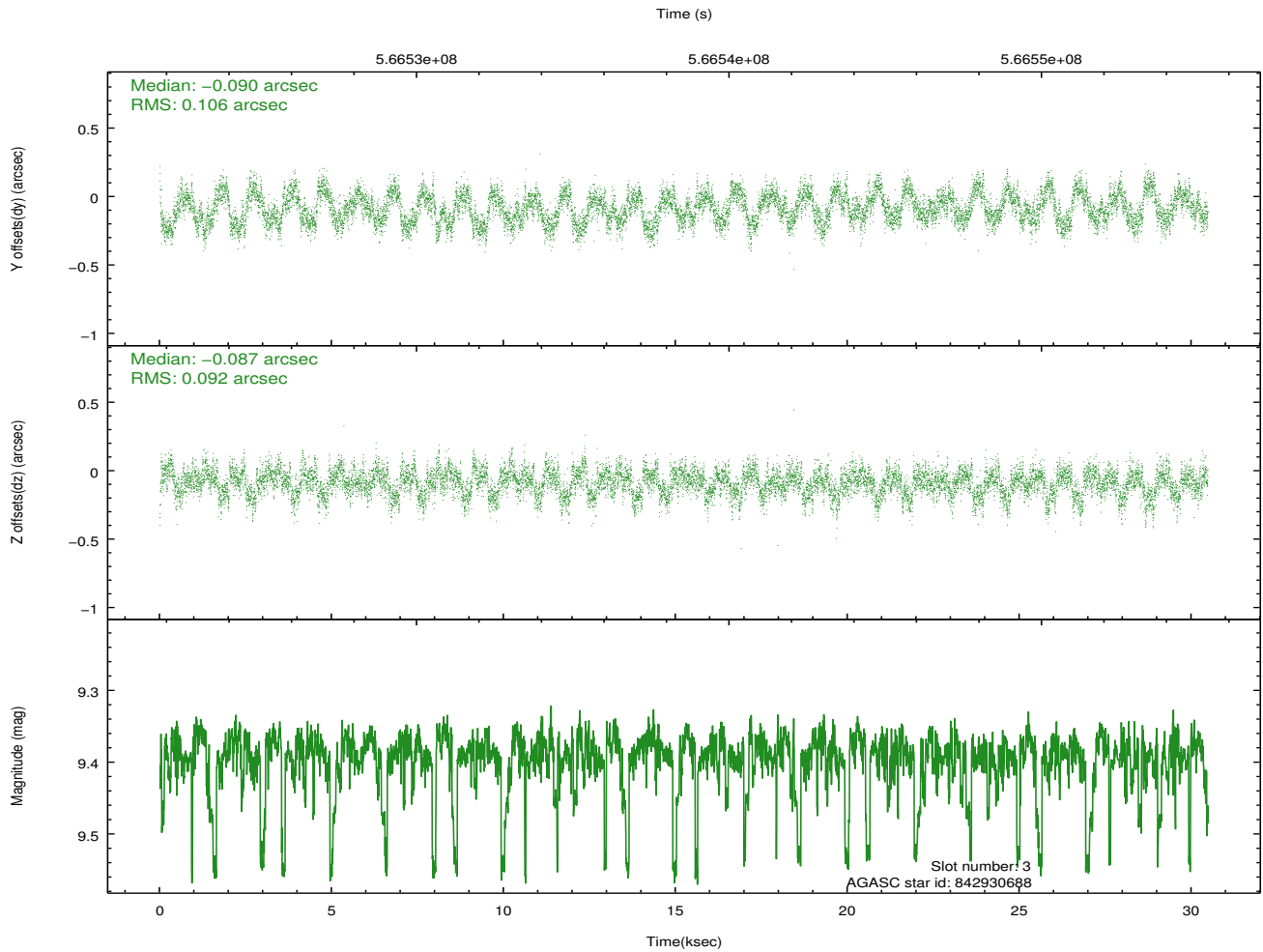
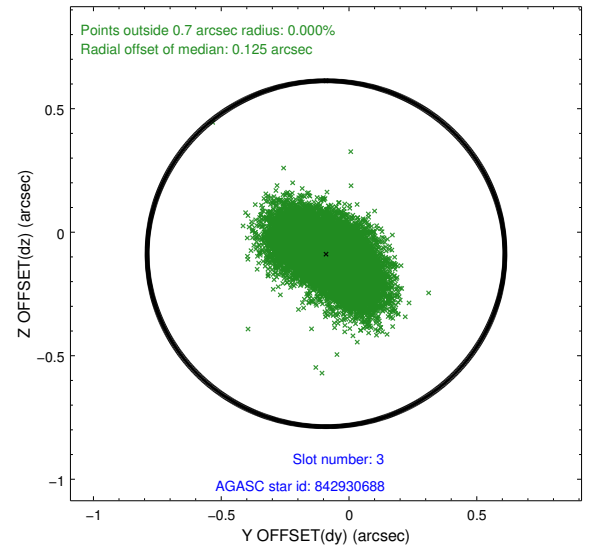
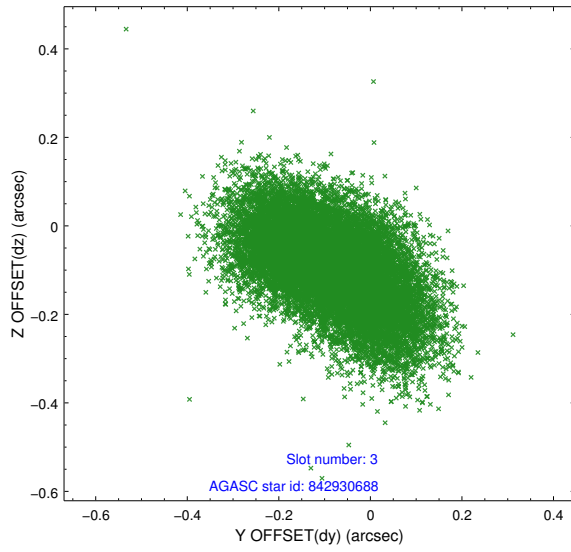


Slot Statistics

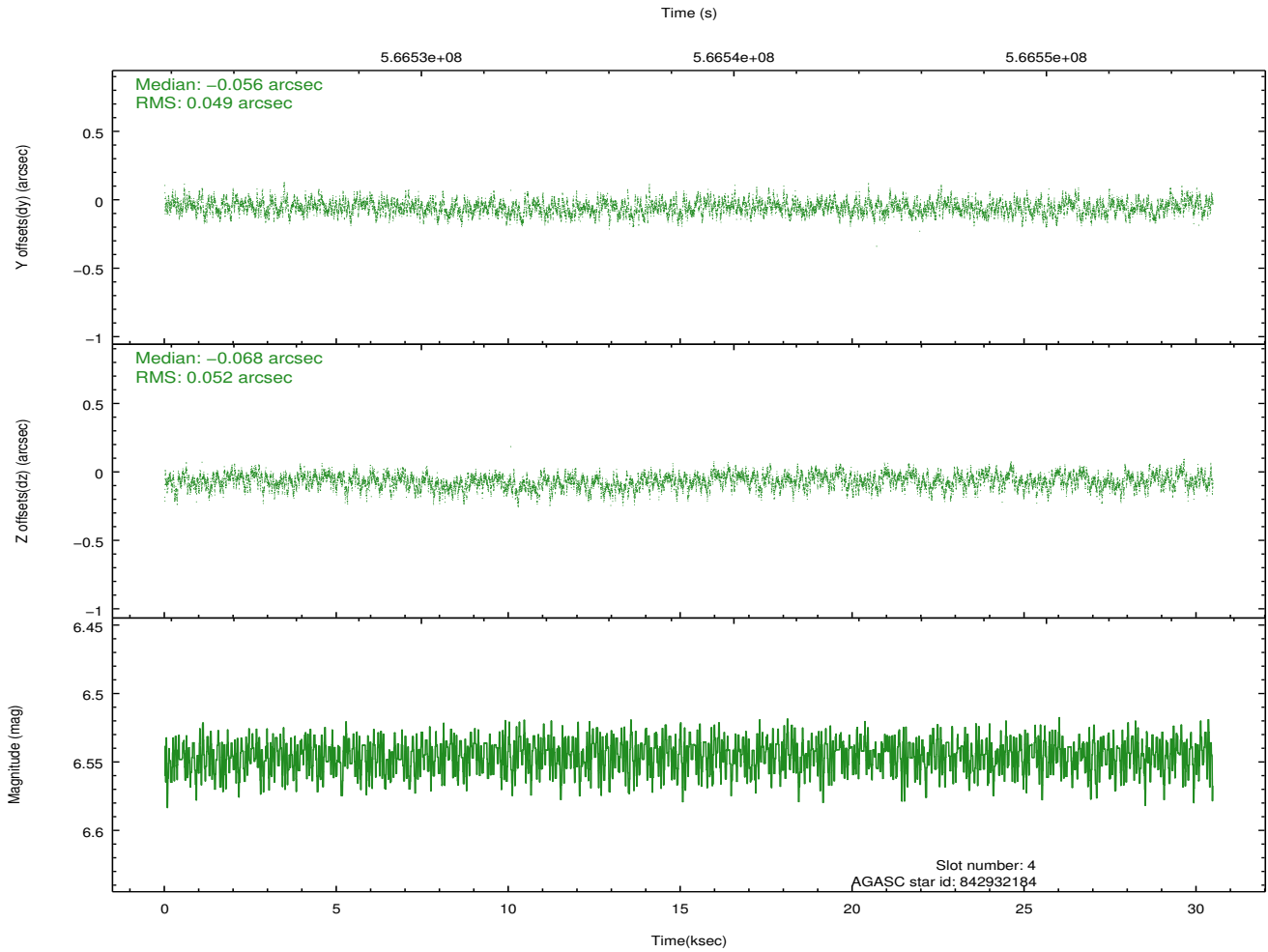
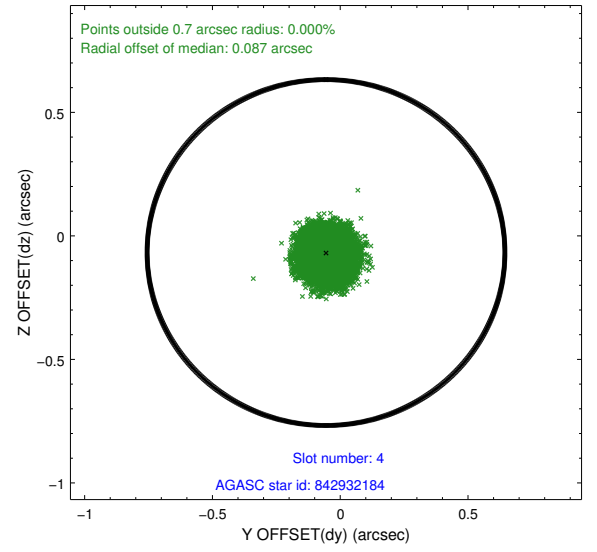
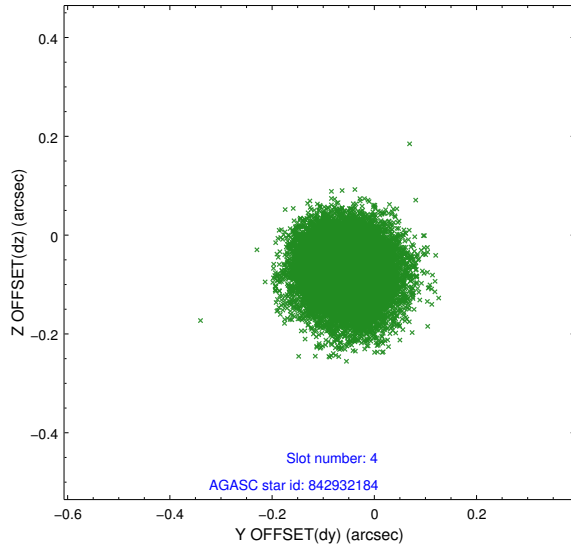
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	7433	0.066	-0.008	0.015	0.037	0.000000	0.000000	922.76	-842.70
1	FID		ACIS-I-5	7.26	7433	-0.361	0.031	0.011	0.017	0.000000	0.000000	-1825.82	1054.67
2	FID		ACIS-I-6	7.27	7431	0.204	0.047	0.016	0.038	0.000000	0.000000	388.25	1699.38
3	GUIDE	used	842930688	9.39	14856	-0.090	-0.087	0.149	0.244	27.896306	-28.602690	-1126.49	903.21
4	GUIDE	used	842932184	6.54	14865	-0.056	-0.068	0.077	0.122	27.489784	-29.040893	-715.95	-1087.51
5	GUIDE	used	842932656	8.66	14865	0.137	0.146	0.091	0.148	27.637719	-28.652964	-1503.69	156.59
6	GUIDE	used	842932328	7.23	14867	0.168	0.310	0.099	0.151	28.957627	-29.113896	2425.13	2308.38
7	GUIDE	used	842932952	9.40	14786	-0.162	-0.299	0.141	0.221	28.708817	-29.119653	1939.97	1693.08

2.4 Star Slots

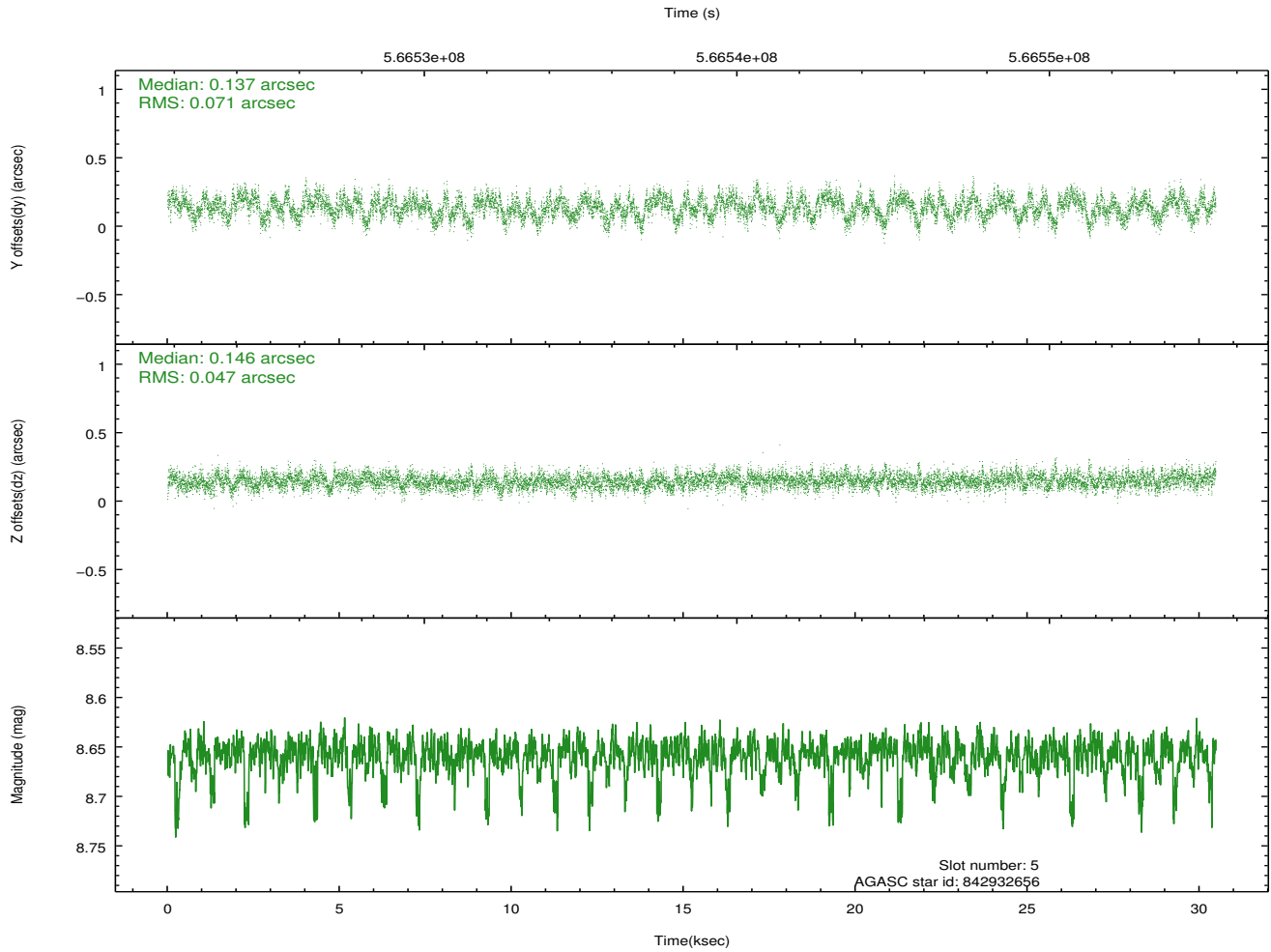
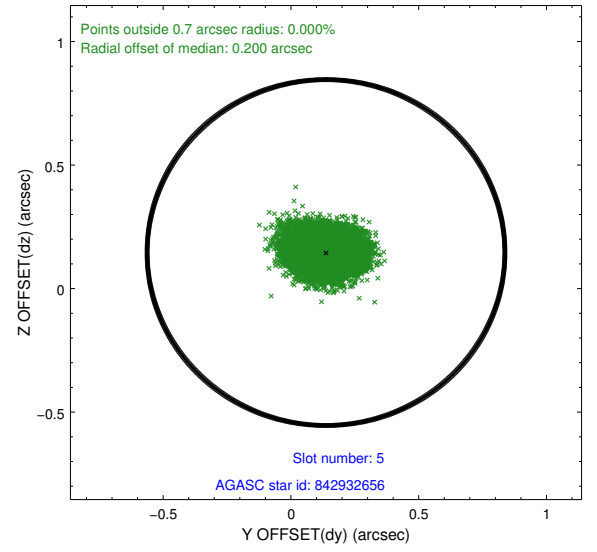
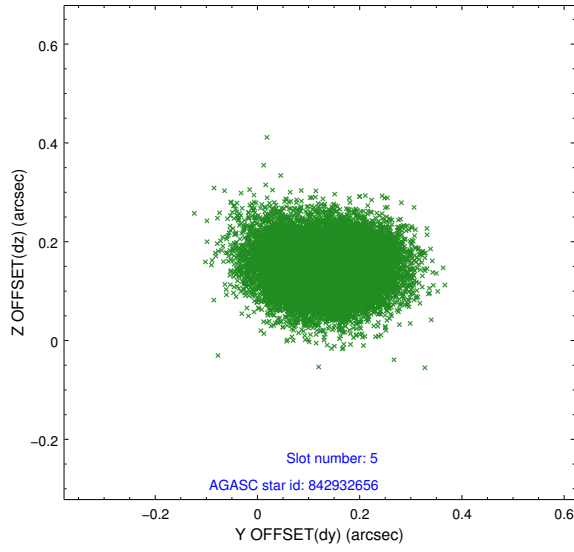
2.4.1 Slot 3



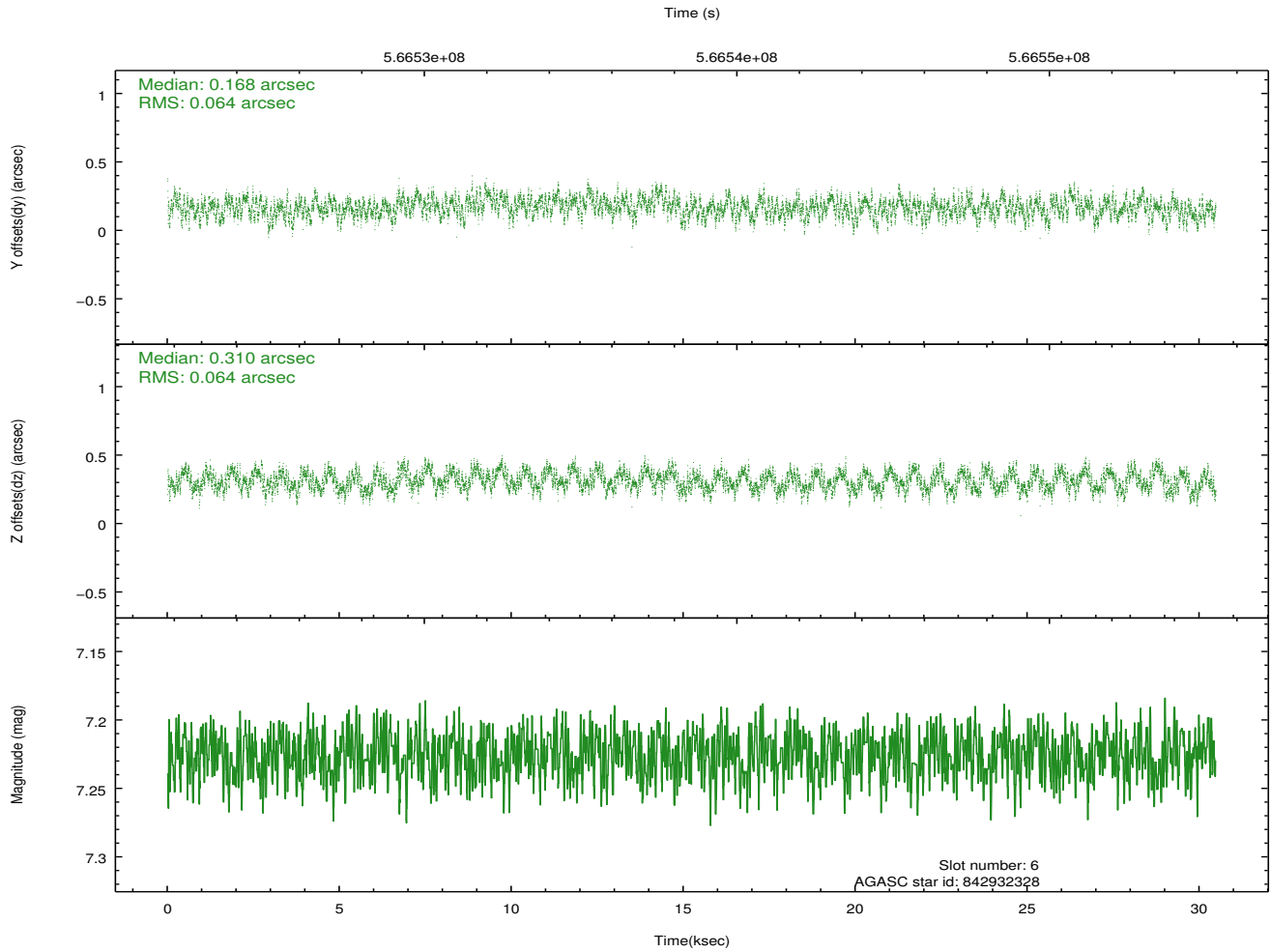
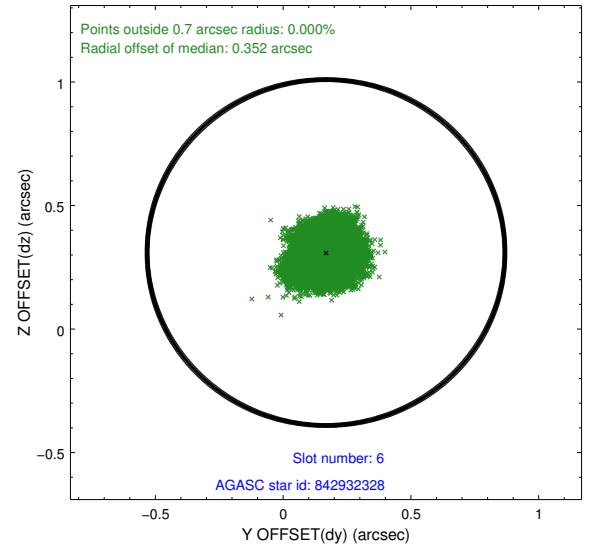
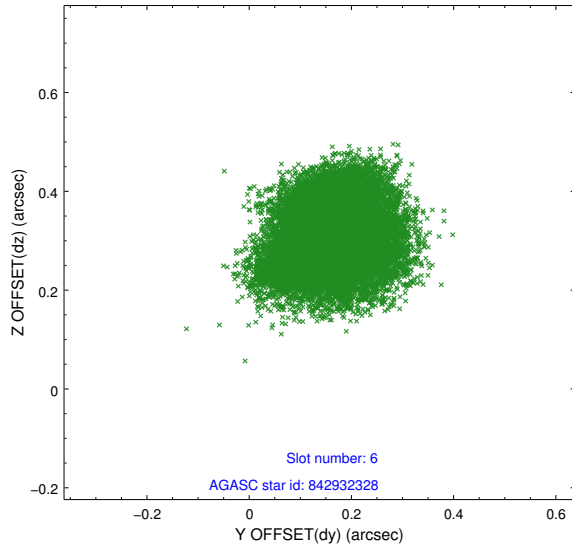
2.4.2 Slot 4



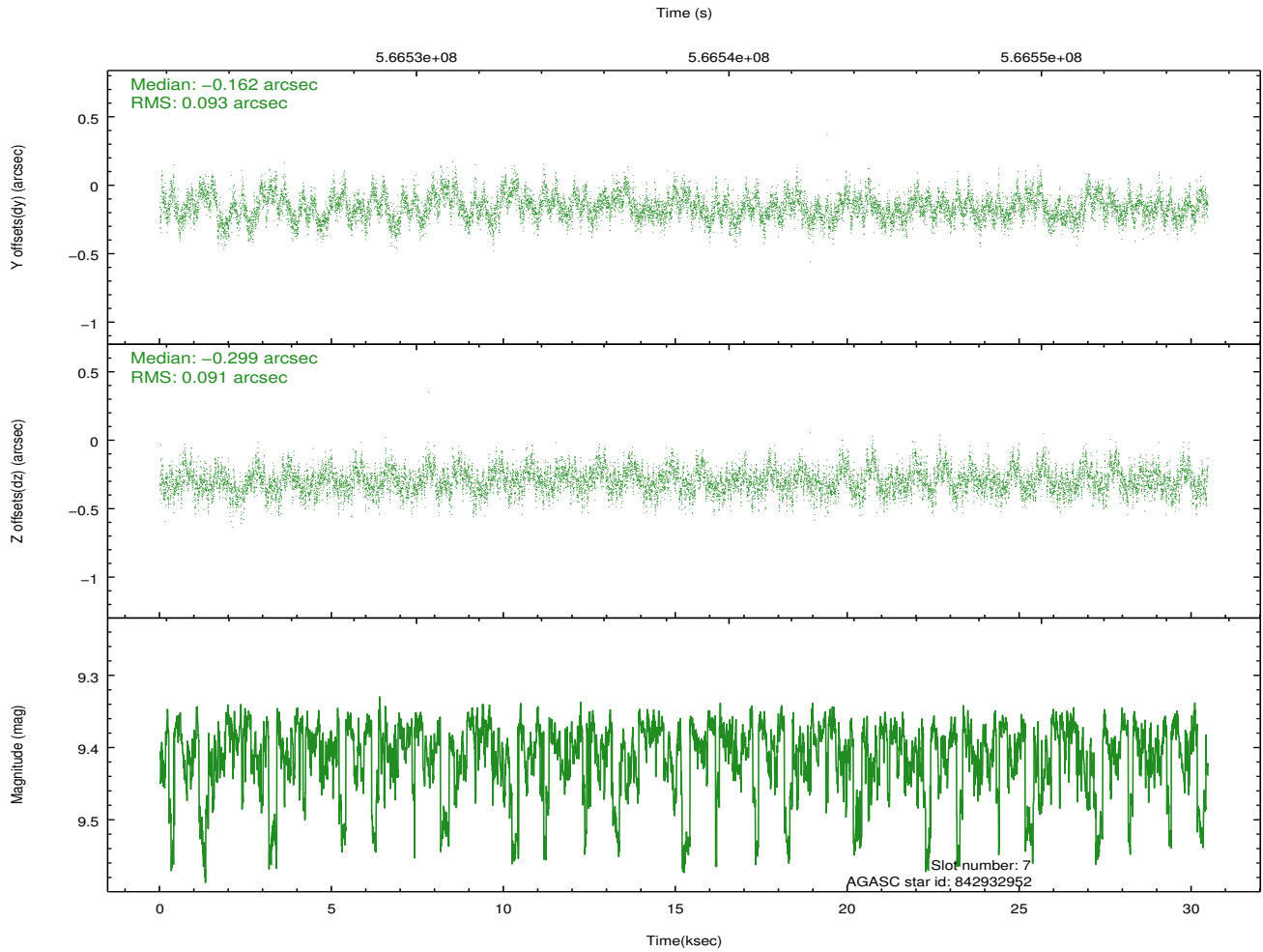
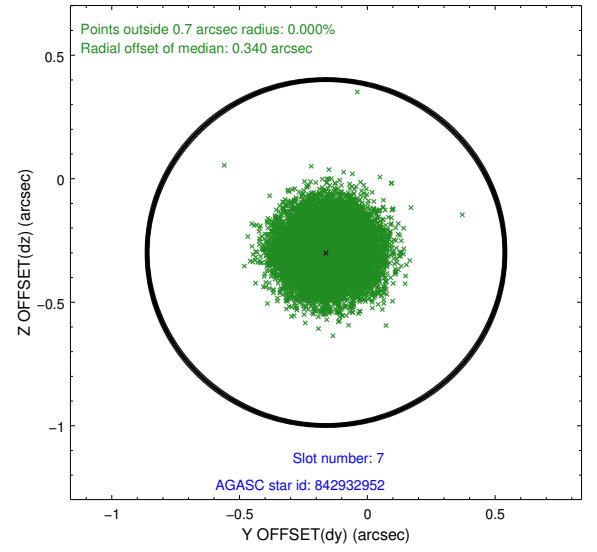
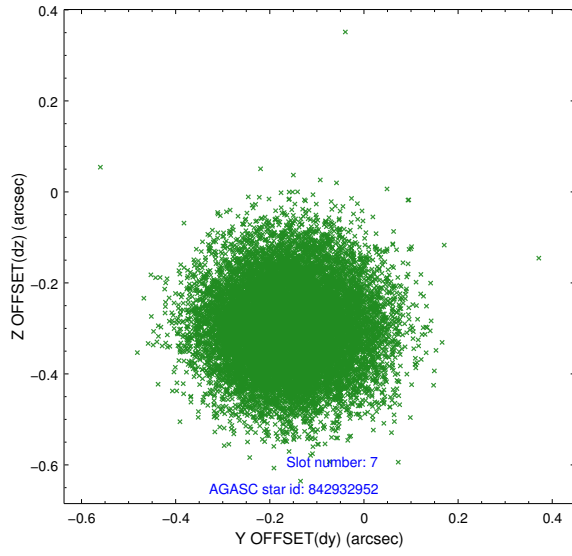
2.4.3 Slot 5



2.4.4 Slot 6

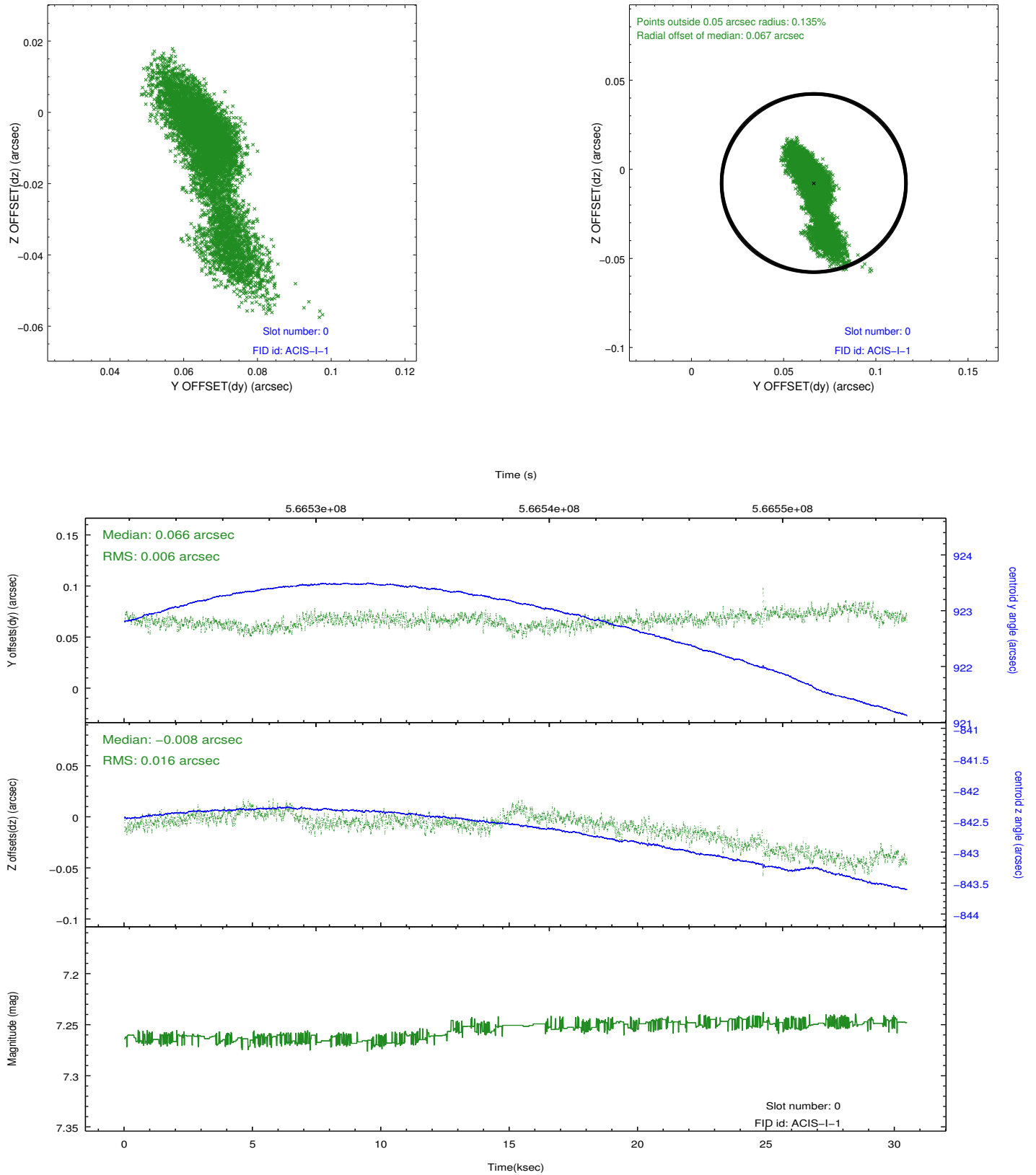


2.4.5 Slot 7

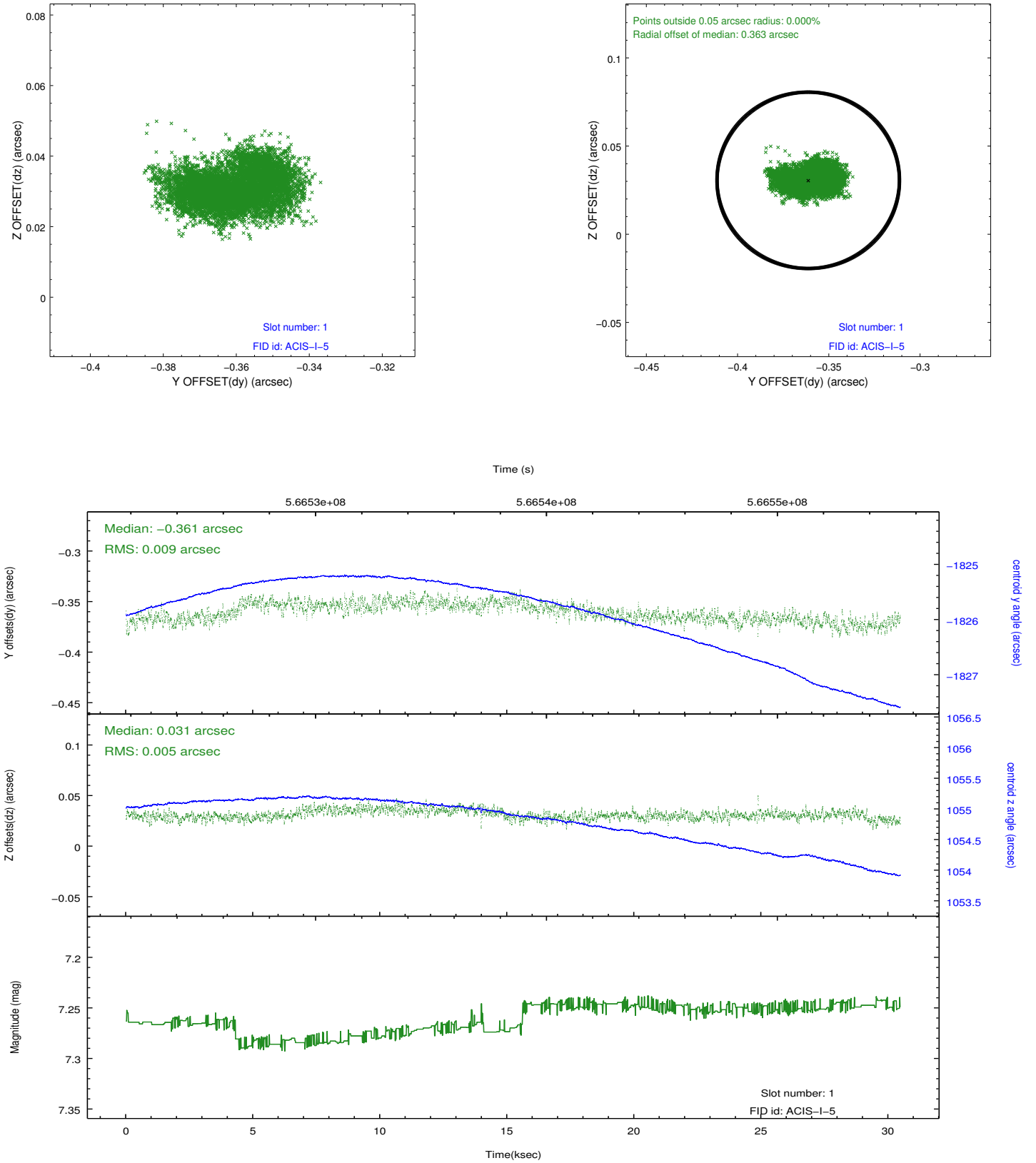


2.5 FID Slots

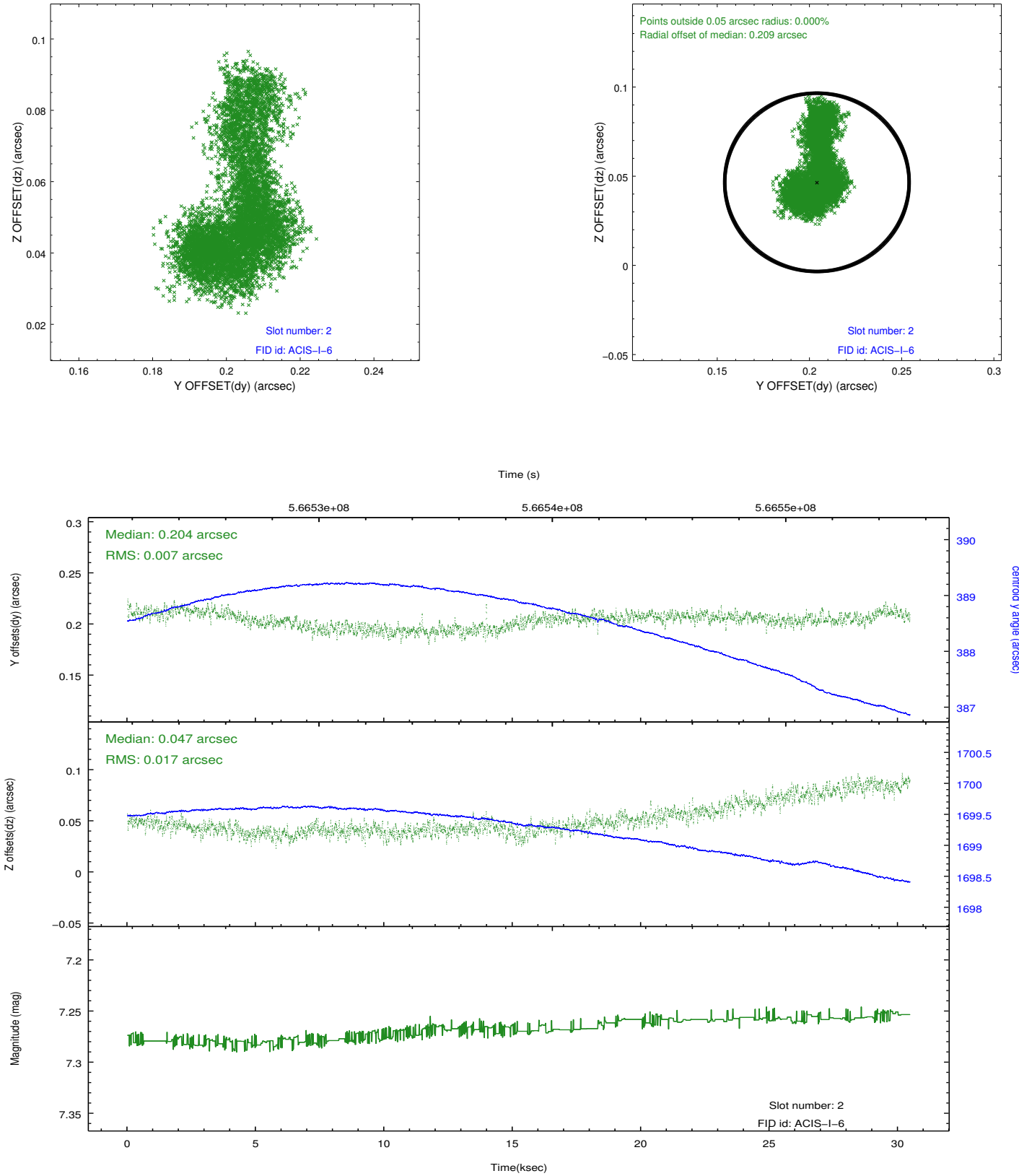
2.5.1 Slot 0



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)	2015.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.228100232601

A.2 Comments