

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11732 - L2 Version 2
Chandra X-Ray Center

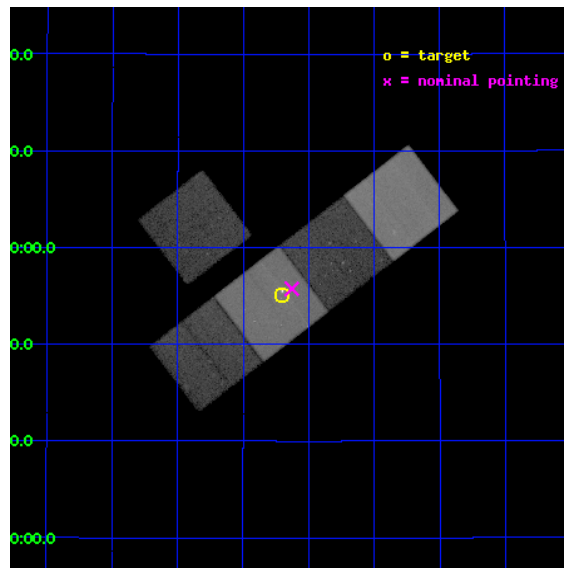
L2 Processing Date : Jun 12 2012

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1 Front

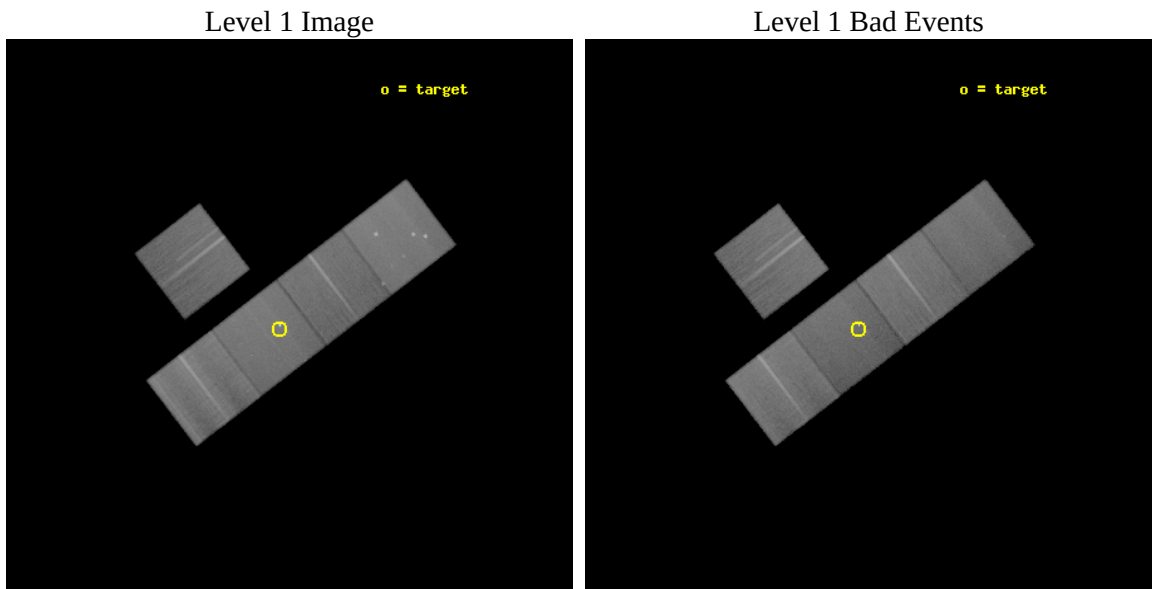
seq_num	800872	Sequence number
obs_id	11732	Observation id
title	Completing the cycle of cooling, star formation and AGN heating in Brightest Cluster Galaxies	Proposal title
observer	Dr Helen Russell	Principal investigator
object	Abell 2627	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	354.176667	Observer's specified target RA [deg]
dec_targ	23.918333	Observer's specified target Dec [deg]
ra_nom	354.15697431563	Nominal RA [deg]
dec_nom	23.929016621345	Nominal Dec [deg]
roll_nom	142.48980441686	Nominal Roll [deg]
revision	2	Processing version of data
ontime	43772.000336647	Sum of GTIs [s]
livetime	43200.086927771	Livetime [s]
ontime3	43768.859326363	Sum of GTIs [s]
ontime5	43772.000336647	Sum of GTIs [s]
ontime6	43759.436335146	Sum of GTIs [s]
ontime7	43772.000336647	Sum of GTIs [s]
ontime8	43759.436285615	Sum of GTIs [s]
l2events	576601	Number of level 2 events



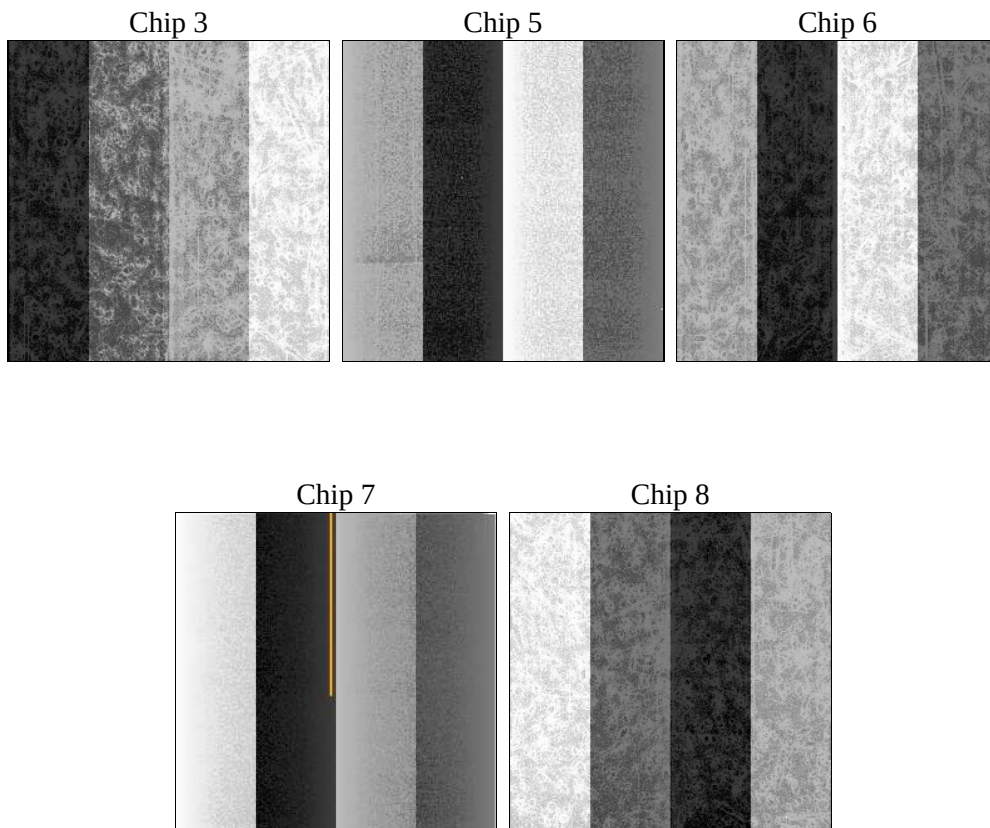
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	44000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	43772.000336647	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	43768.859326363	Sum of GTIs [s]
date	2012-06-12T03:06:41	Date and time of file creation	ontime5	43772.000336647	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	43759.436335146	Sum of GTIs [s]
			ontime7	43772.000336647	Sum of GTIs [s]
			ontime8	43759.436285615	Sum of GTIs [s]
			l1events	2291650	Number of level 1 events

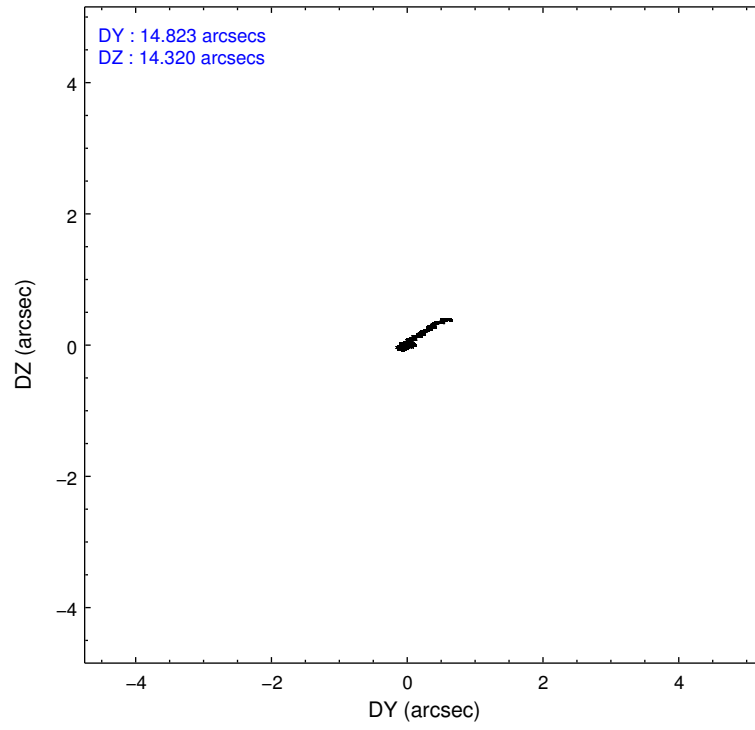
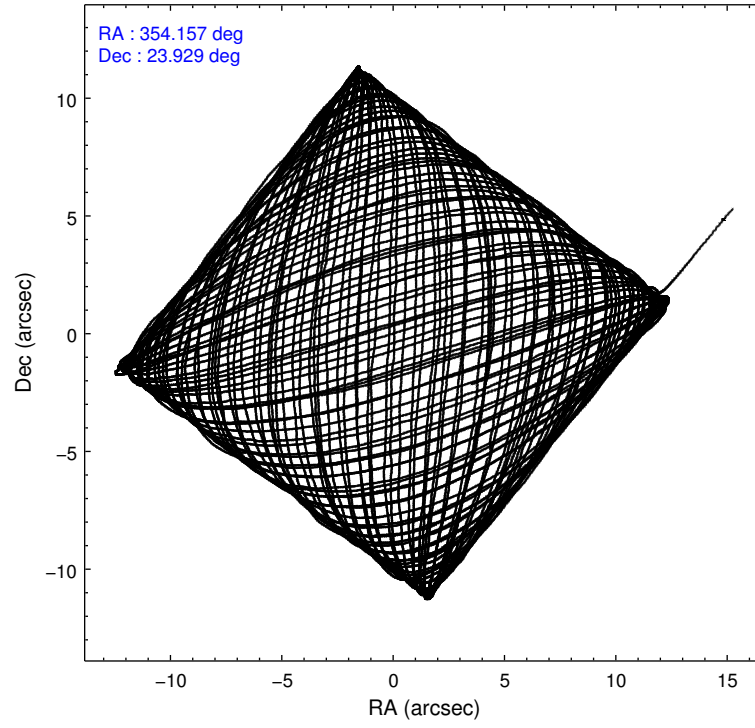
2.1.4 Events

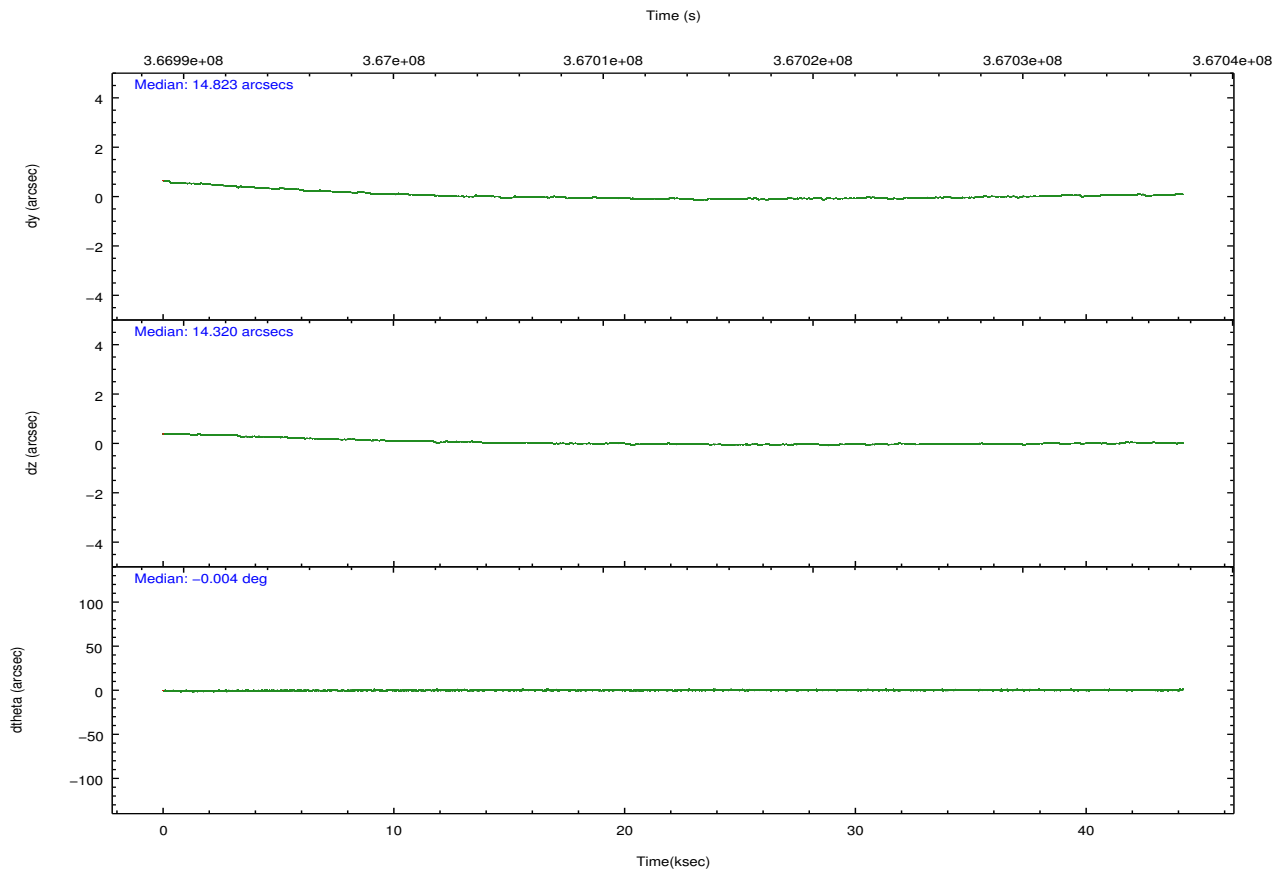
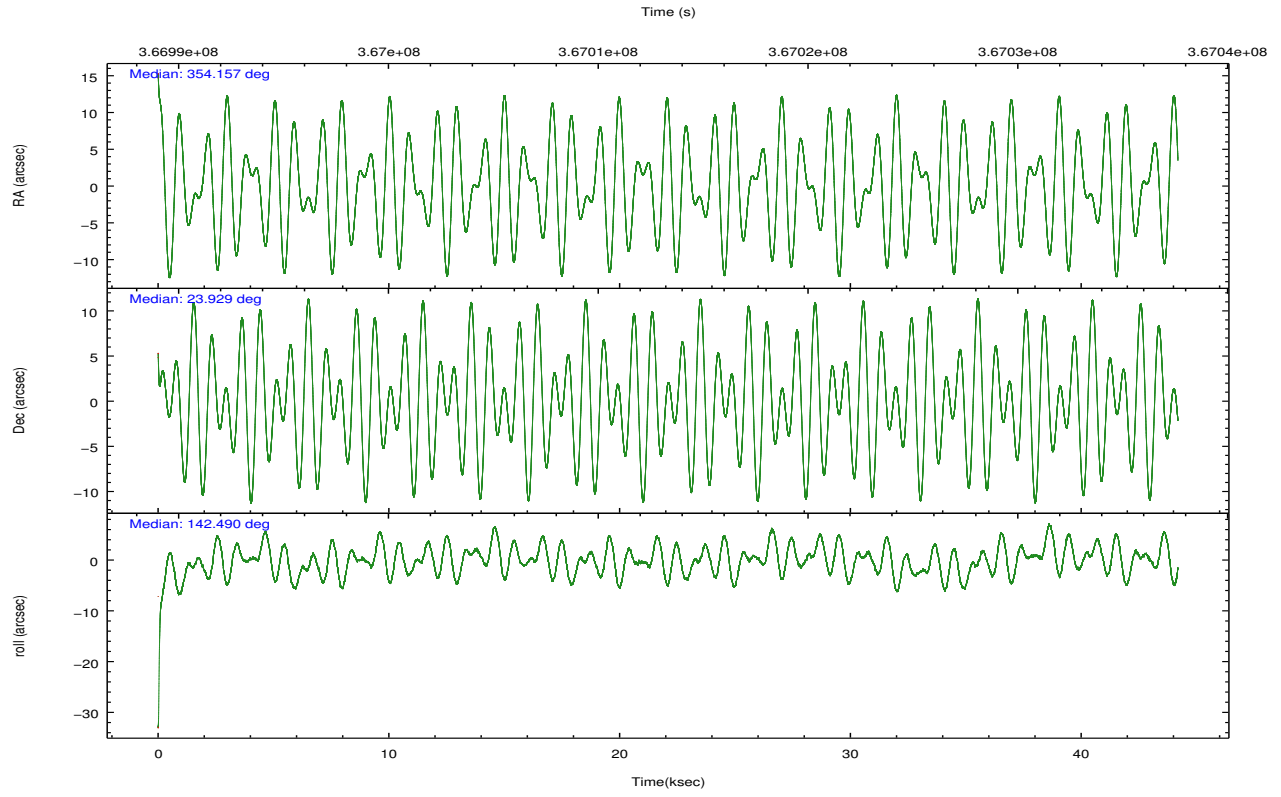
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	375077	554659	395386	468832	497696	grade 0 events	12805	30595	15657	21909	36645
rejected events	338549	277898	352949	252008	372462		3%	5%	3%	4%	7%
rejected %	90%	50%	89%	53%	74%	grade 1 events	234	1306	206	1019	438
							0%	0%	0%	0%	0%
						grade 2 events	8130	81665	9171	44363	28984
							2%	14%	2%	9%	5%
						grade 3 events	4088	11129	4422	19721	13921
							1%	2%	1%	4%	2%
						grade 4 events	4115	10634	4307	19273	12589
							1%	1%	1%	4%	2%
						grade 5 events	15904	42812	16209	48456	23155
							4%	7%	4%	10%	4%
						grade 6 events	7391	142761	8881	111577	33108
							1%	25%	2%	23%	6%
						grade 7 events	322410	233757	336533	202514	348856
							85%	42%	85%	43%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	354.186668	354.1569743156282	CCD I2 on	N	N
[deg] Pointing Dec	23.925798	23.92901662134453	CCD I3 on	O1	Y
[deg] Pointing Roll	142.321134	142.4898044168582	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	O2	Y
[s] Observation start time (MET)	366991425.184000	366990489.97273	CCD S5 on	N	N
Observation start date	2009-08-18T14:02:39	2009-08-18T13:48:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	367035425.184000	367036454.05003	On-chip summing requested	N	N
Observation end date	2009-08-19T02:15:59	2009-08-19T02:34:14	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



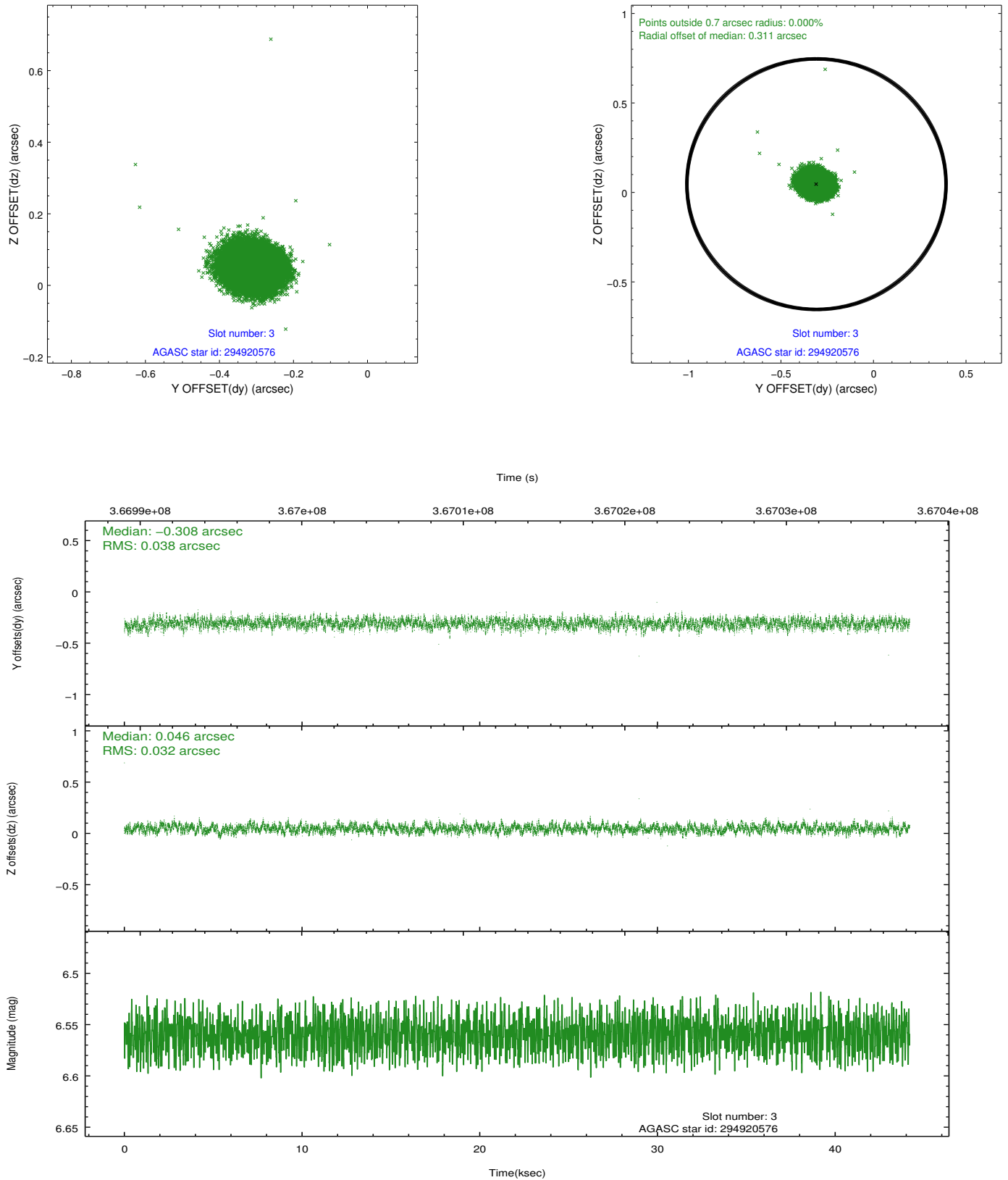


Slot Statistics

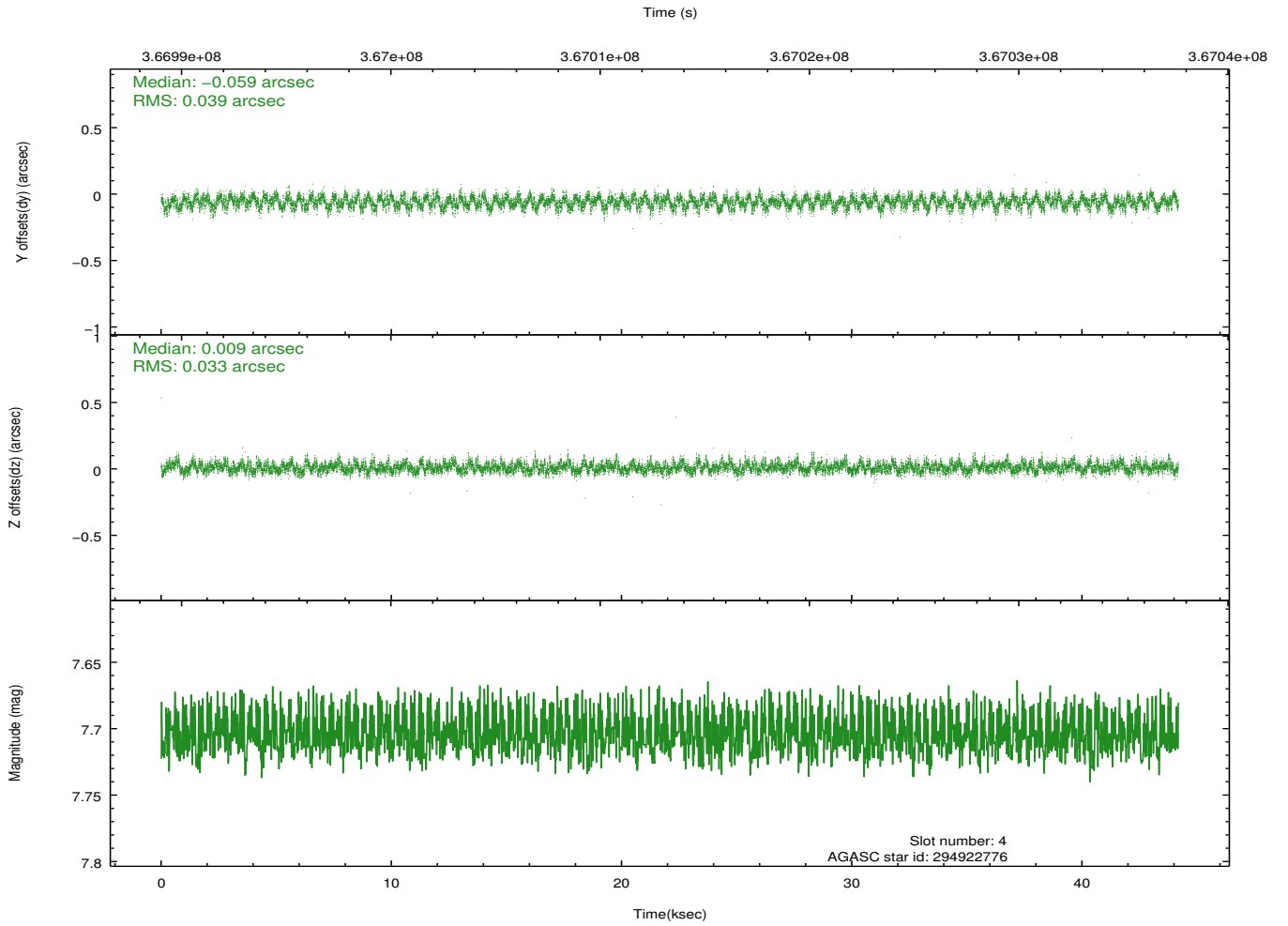
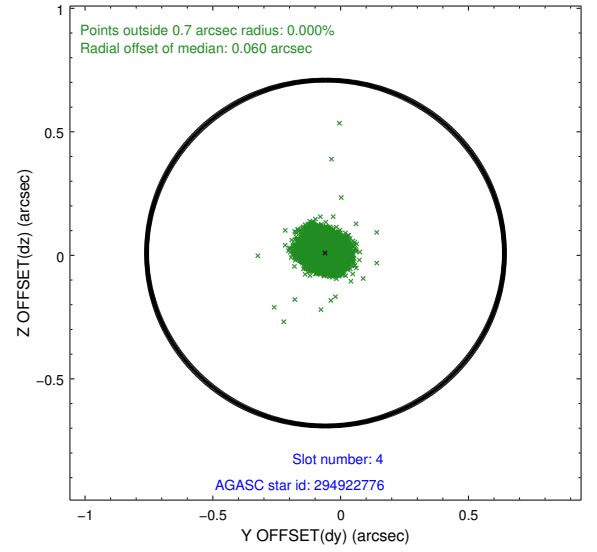
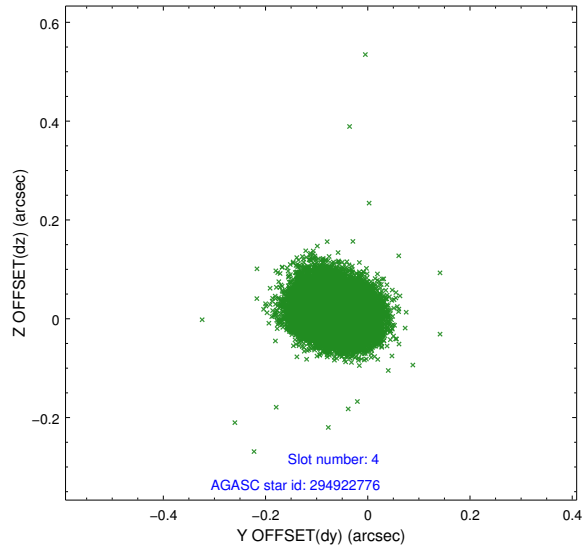
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	10777	-0.081	-0.041	0.010	0.020	0.000000	0.000000	-767.92	-1735.67
1	FID	ACIS-S-4	7.01	10779	0.193	0.050	0.010	0.018	0.000000	0.000000	2145.63	172.91
2	FID	ACIS-S-5	7.04	10779	-0.143	-0.001	0.008	0.015	0.000000	0.000000	-1820.83	166.52
3	GUIDE	294920576	6.56	21556	-0.308	0.046	0.054	0.084	353.748244	24.425823	2239.29	-547.30
4	GUIDE	294922776	7.70	21551	-0.059	0.009	0.055	0.087	354.119727	24.114937	590.65	-404.10
5	GUIDE	294931248	9.30	21532	0.136	-0.200	0.098	0.161	354.343551	23.594588	-1137.91	627.15
6	GUIDE	295043864	9.14	21527	0.095	0.276	0.093	0.152	354.606072	23.805168	-1357.17	-501.72
7	GUIDE	295048072	8.82	21544	0.141	-0.127	0.066	0.107	354.680840	23.537235	-2143.69	108.17

2.4 Star Slots

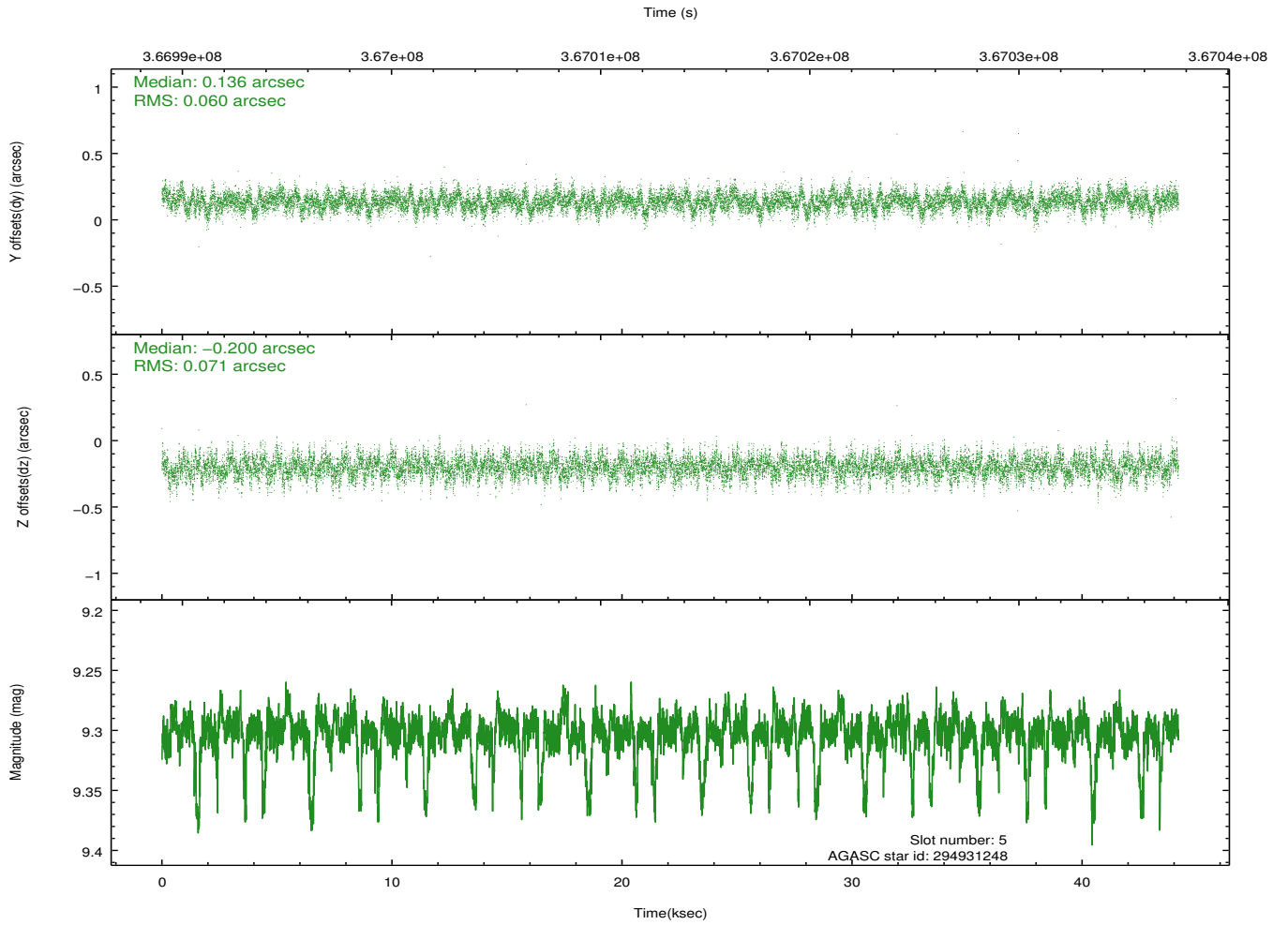
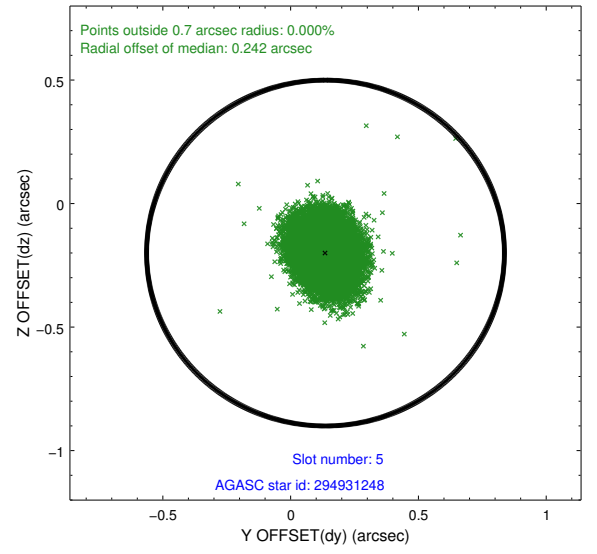
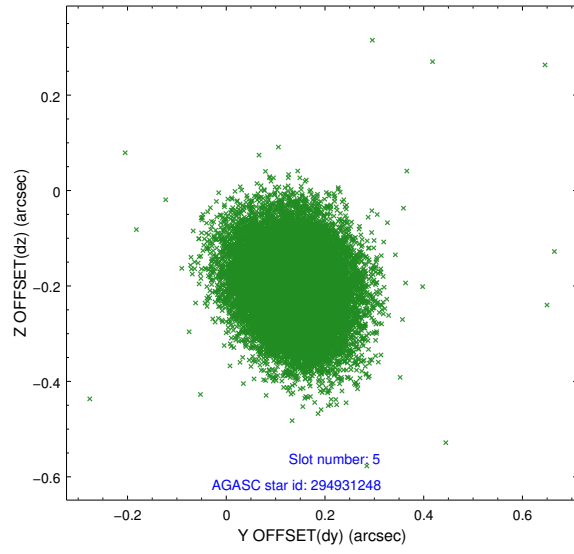
2.4.1 Slot 3



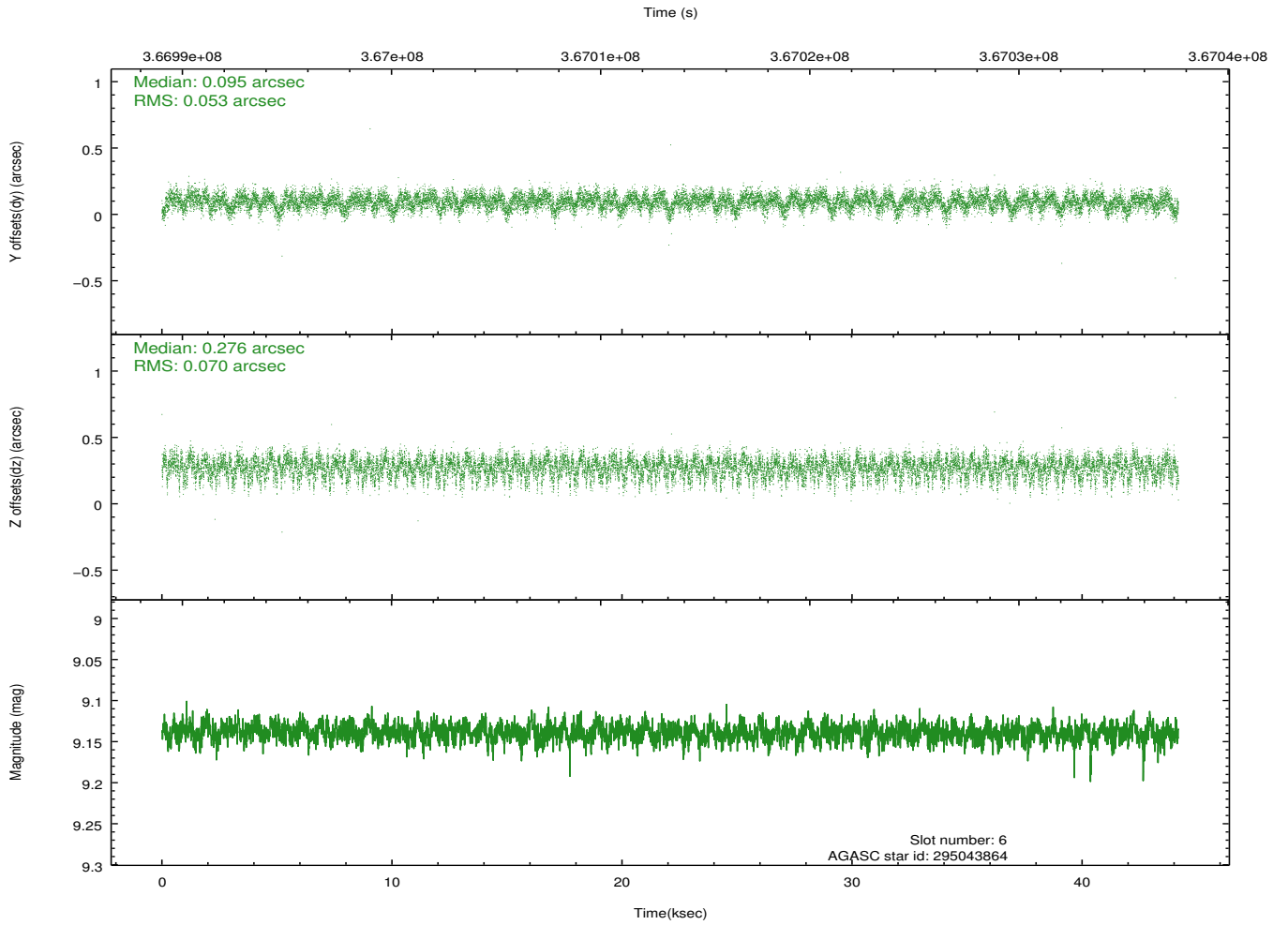
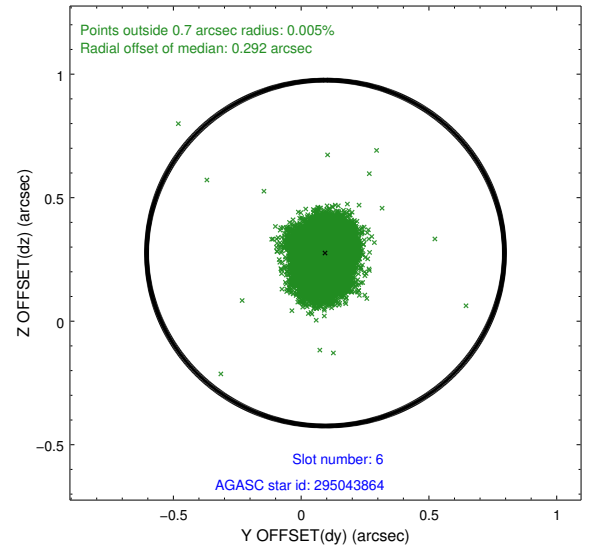
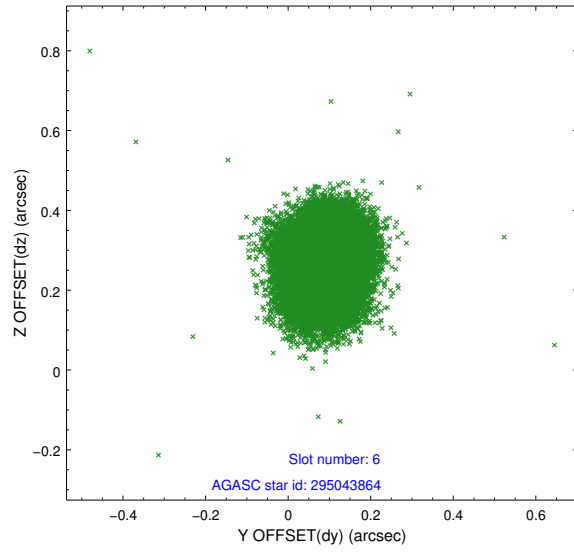
2.4.2 Slot 4



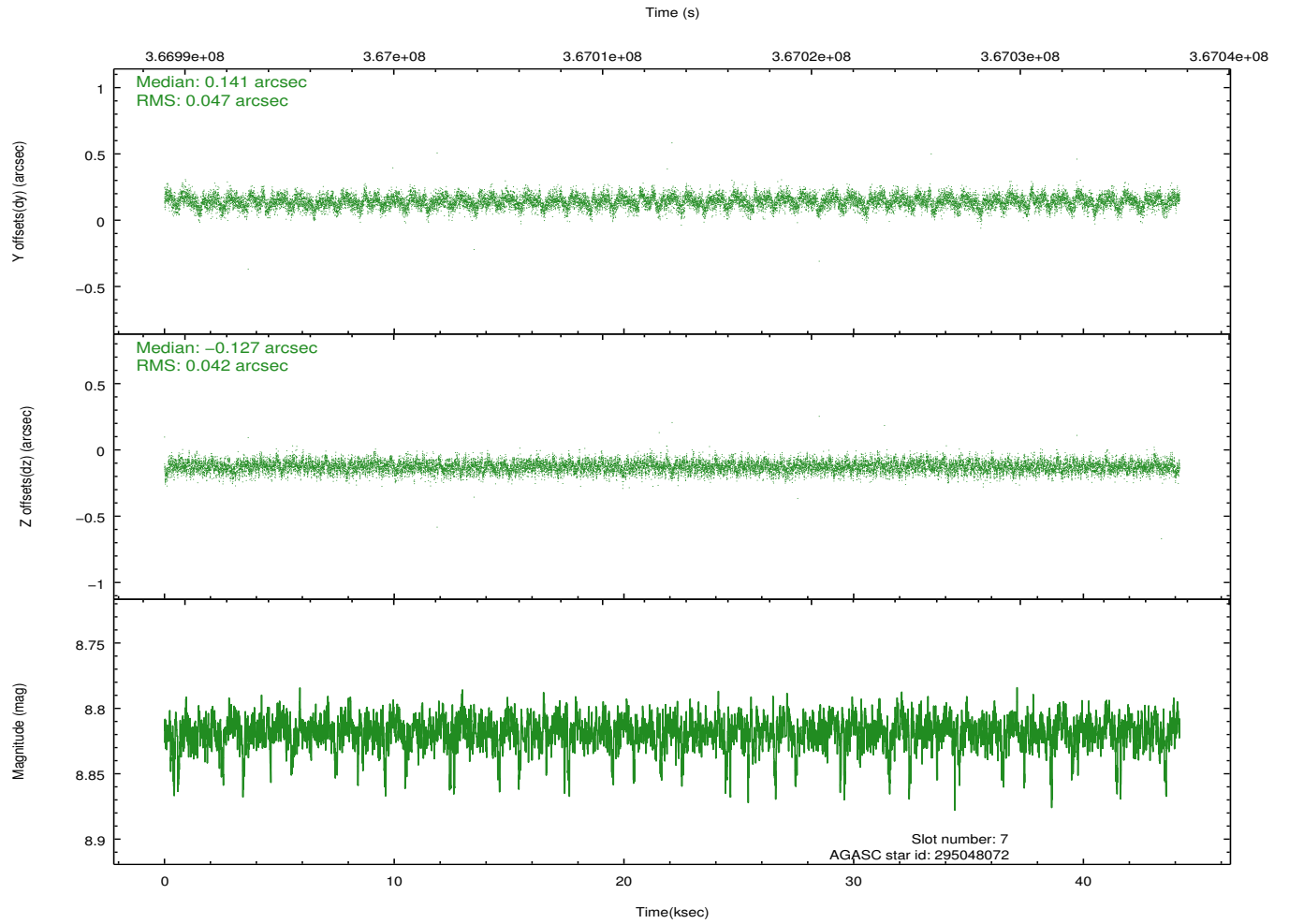
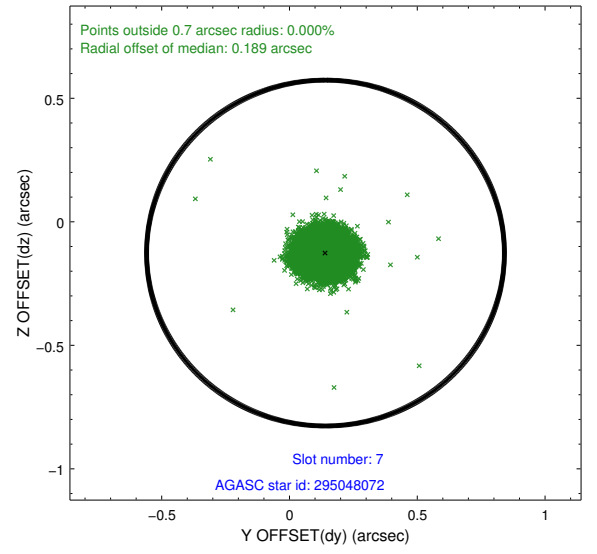
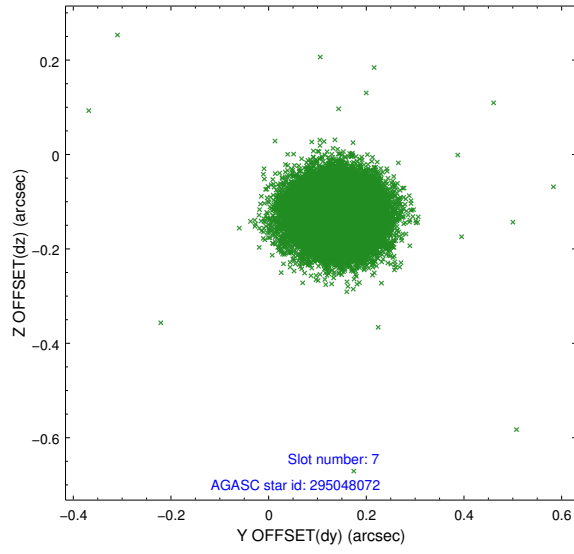
2.4.3 Slot 5



2.4.4 Slot 6

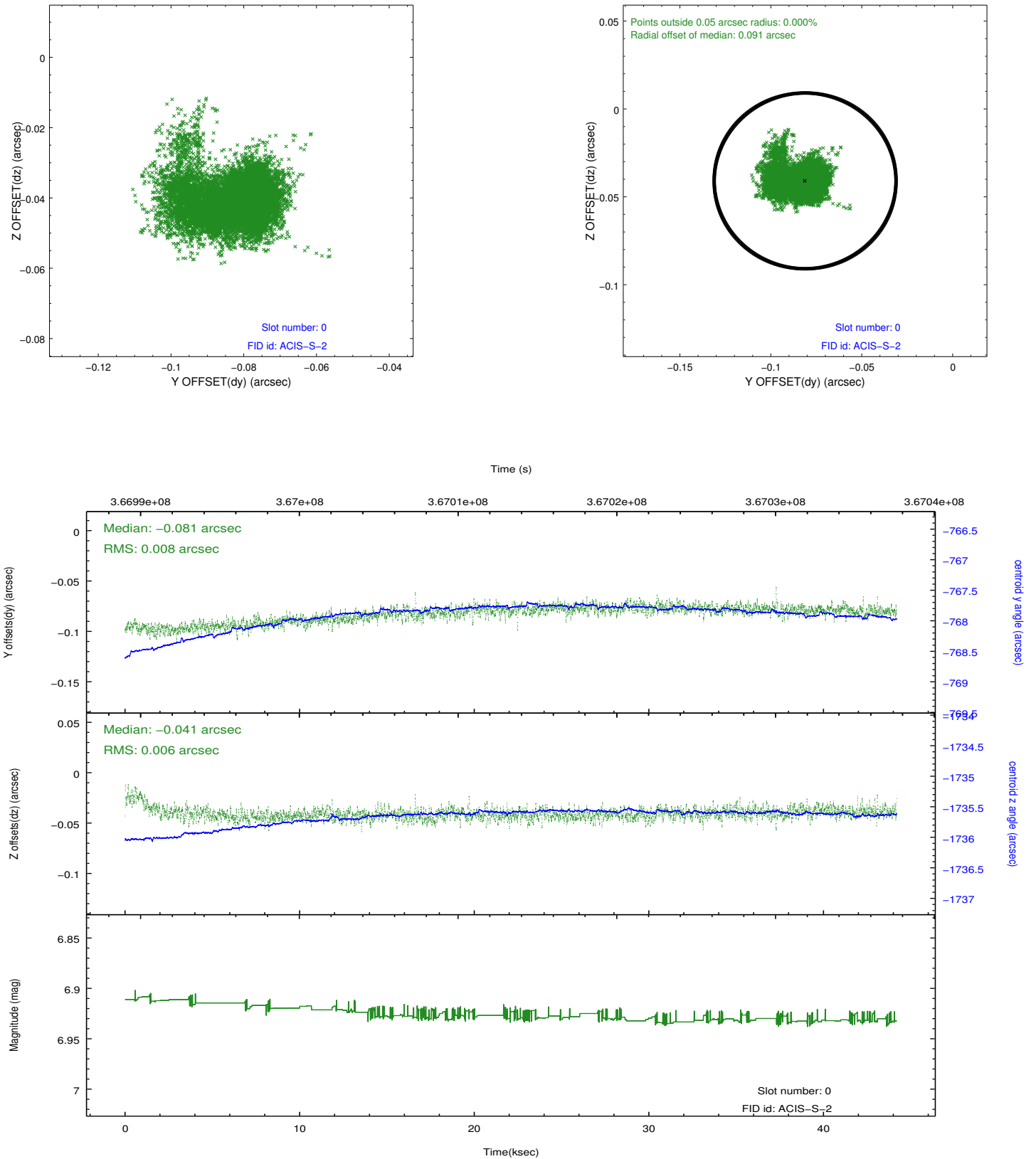


2.4.5 Slot 7

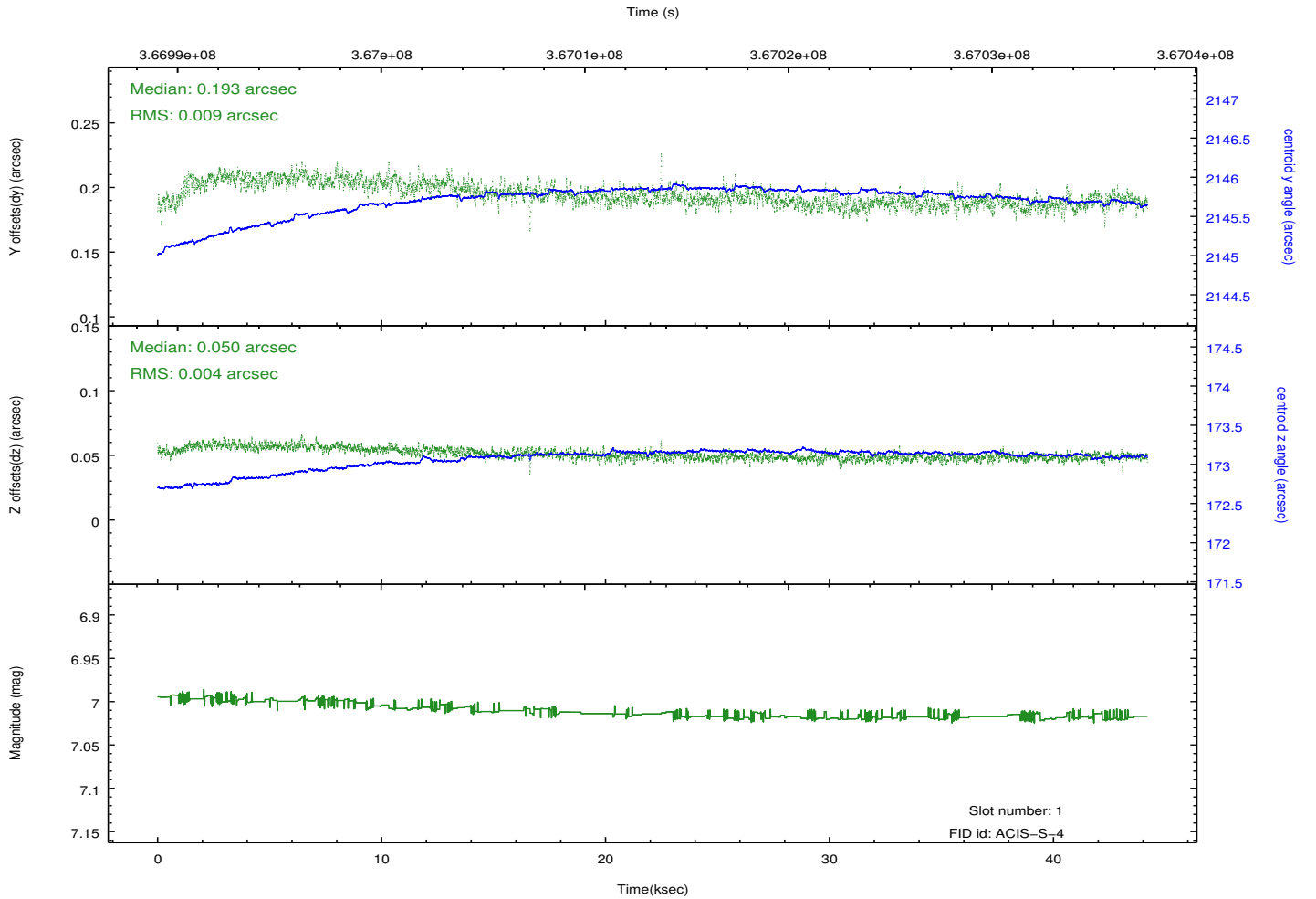
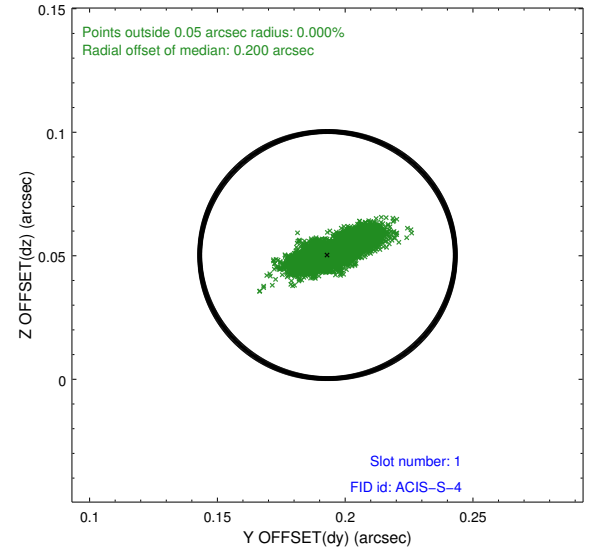
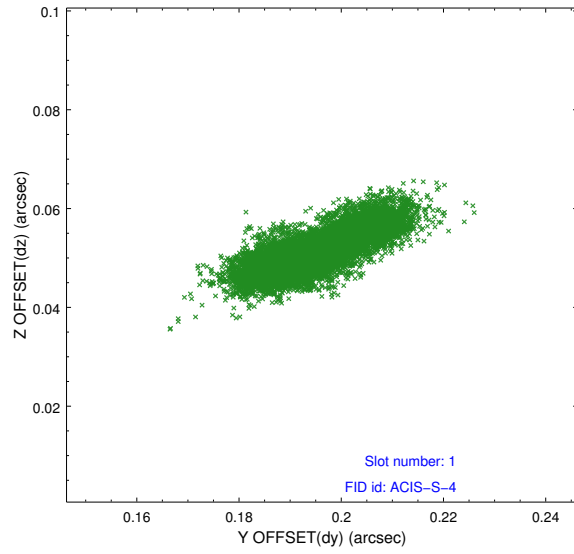


2.5 FID Slots

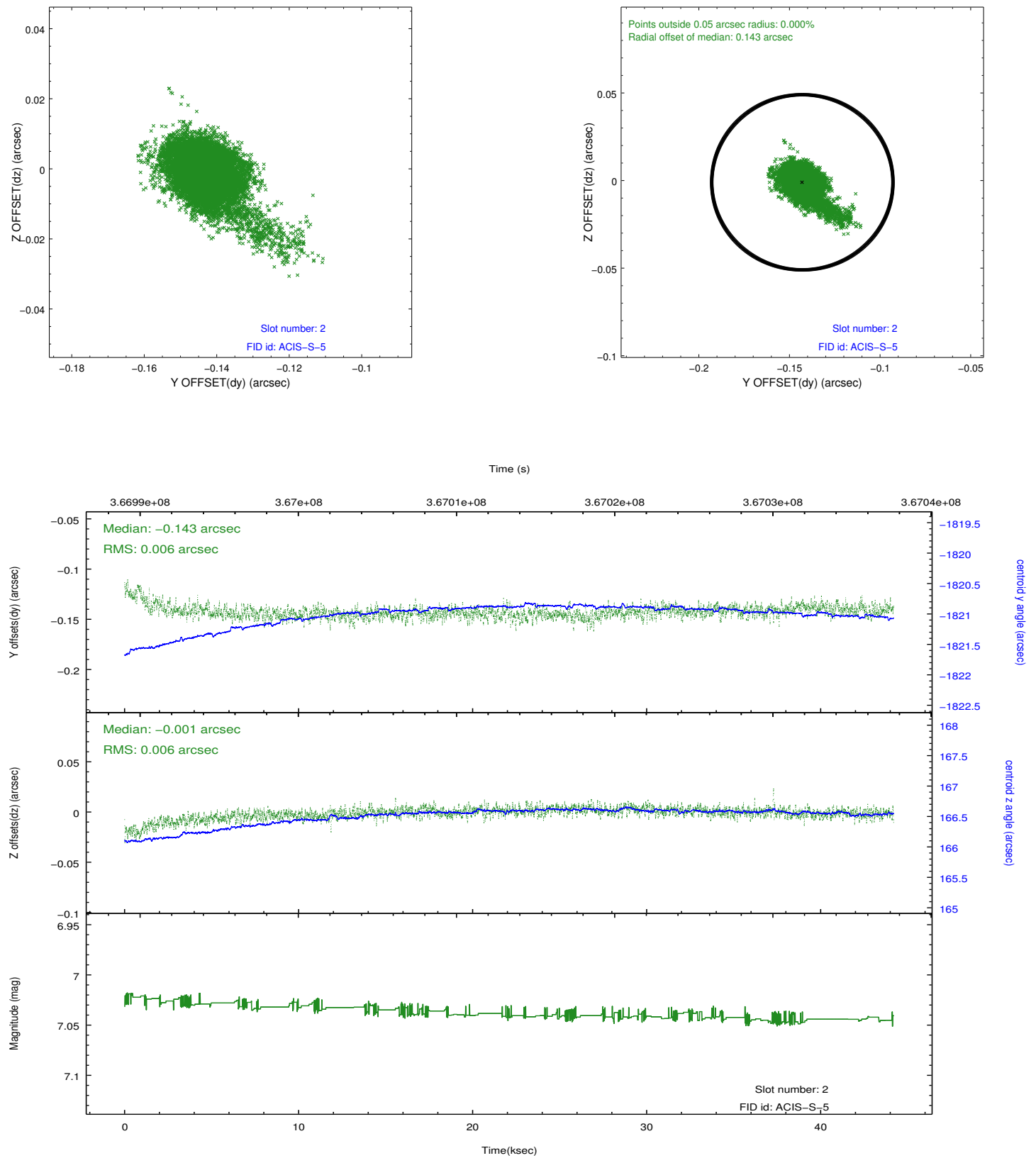
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.7720003

A.2 Comments