

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7820 - L2 Version 2
Chandra X-Ray Center

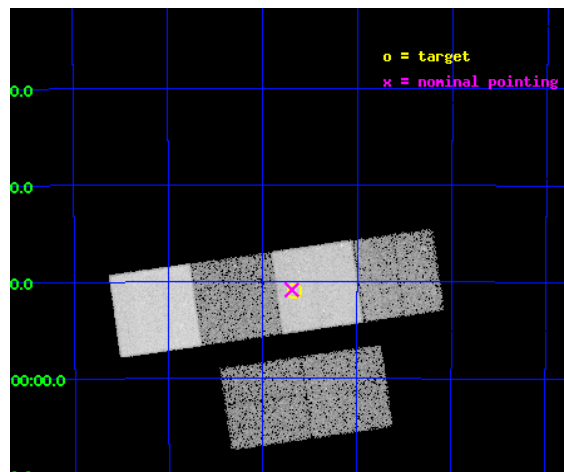
L2 Processing Date : Apr 30 2012

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1 Front

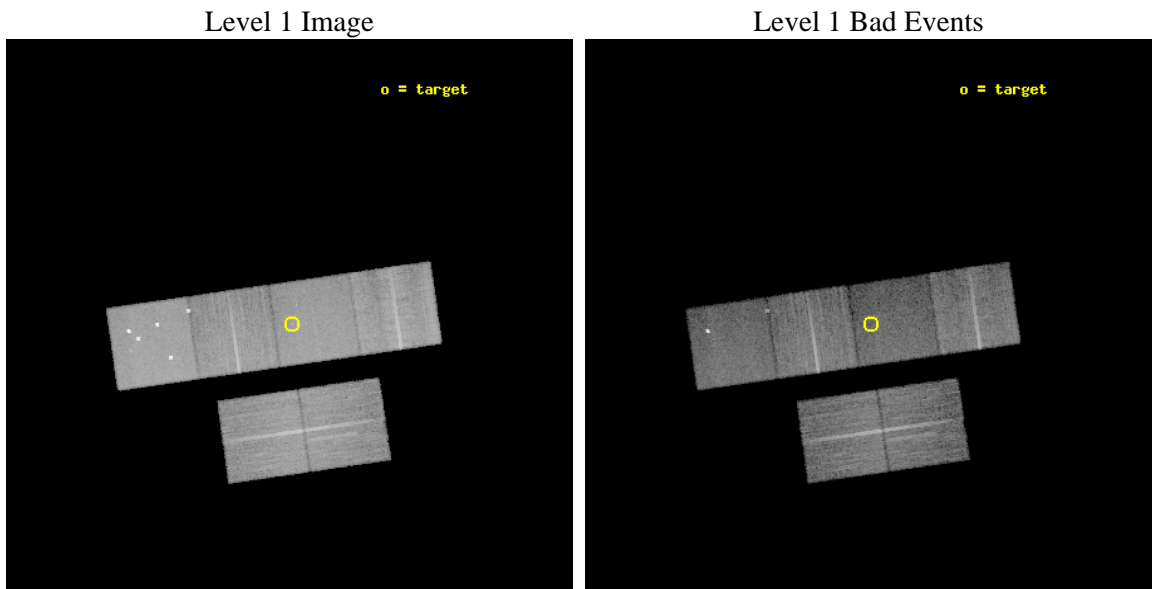
seq_num	701484	Sequence number
obs_id	7820	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	ESO 239-IG002	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	342.41625	Observer's specified target RA [deg]
dec_targ	-48.849472	Observer's specified target Dec [deg]
ra_nom	342.42296944096	Nominal RA [deg]
dec_nom	-48.84752181652	Nominal Dec [deg]
roll_nom	351.7863634253	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14758.39994508	Sum of GTIs [s]
livetime	14571.520198534	Livetime [s]
ontime2	14755.158944726	Sum of GTIs [s]
ontime3	14758.39994508	Sum of GTIs [s]
ontime5	14758.39994508	Sum of GTIs [s]
ontime6	14755.158934832	Sum of GTIs [s]
ontime7	14758.39994508	Sum of GTIs [s]
ontime8	14751.917924523	Sum of GTIs [s]
l2events	178193	Number of level 2 events



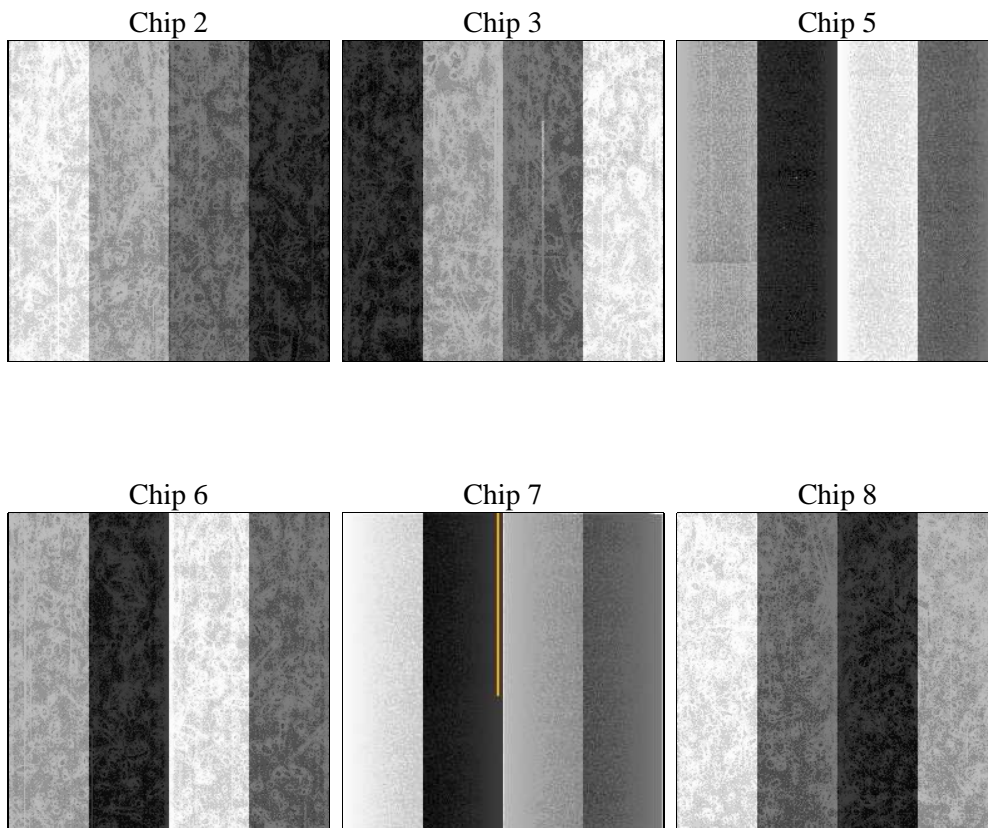
2 OBI

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	8.4.4	Processing system revision	ontime	14758.39994508	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	14755.158944726	Sum of GTIs [s]
date	2012-04-30T15:16:51	Date and time of file creation	ontime3	14758.39994508	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	14758.39994508	Sum of GTIs [s]
			ontime6	14755.158934832	Sum of GTIs [s]
			ontime7	14758.39994508	Sum of GTIs [s]
			ontime8	14751.917924523	Sum of GTIs [s]
			l1events	834355	Number of level 1 events

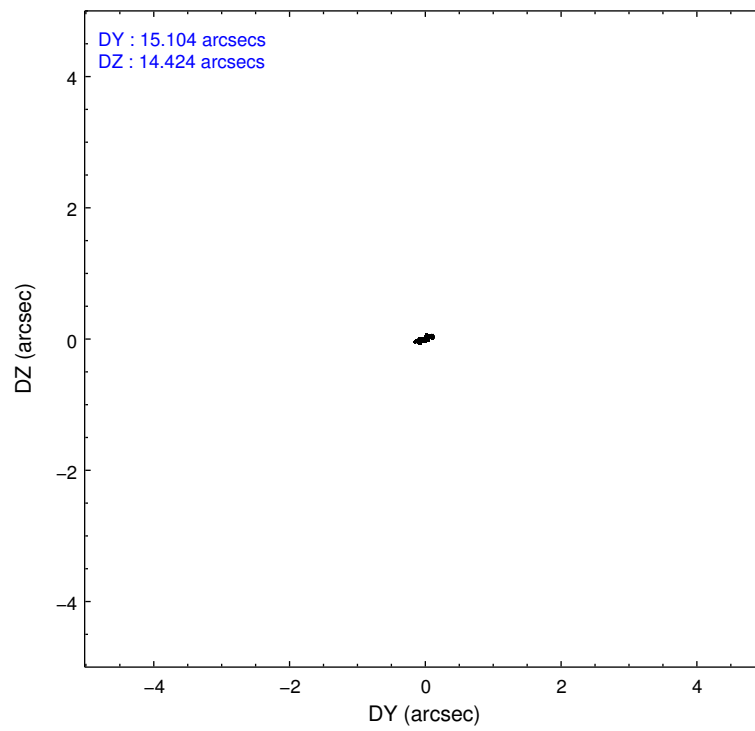
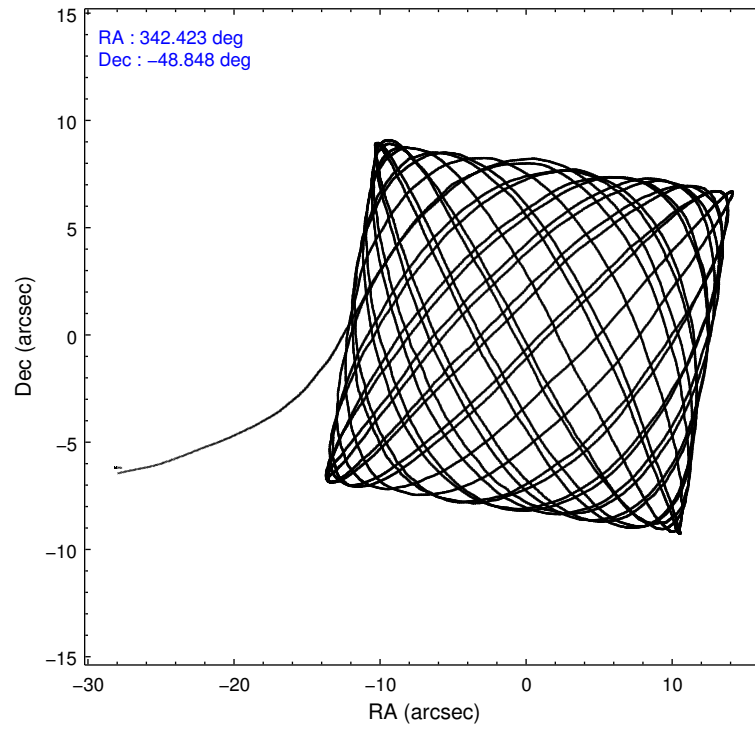
2.1.4 Events

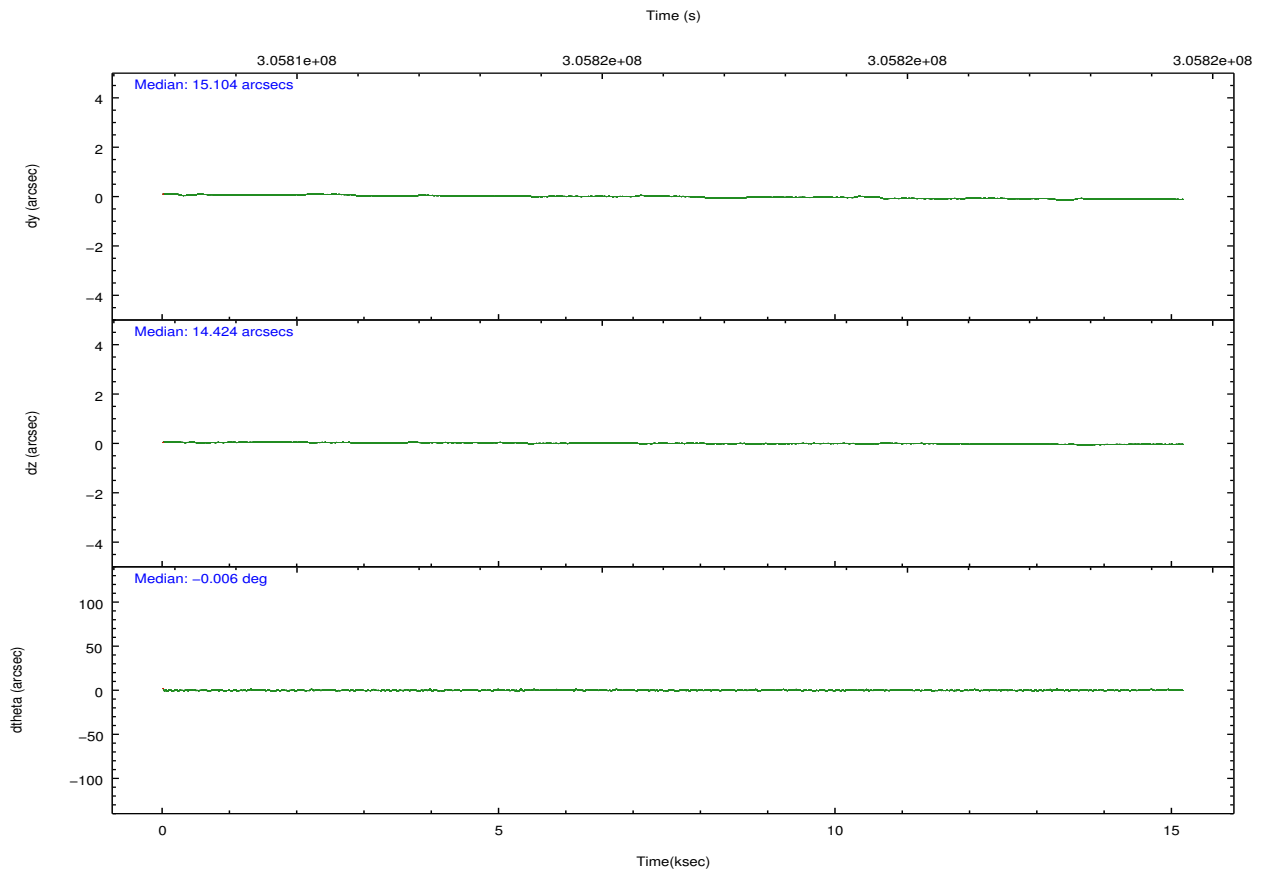
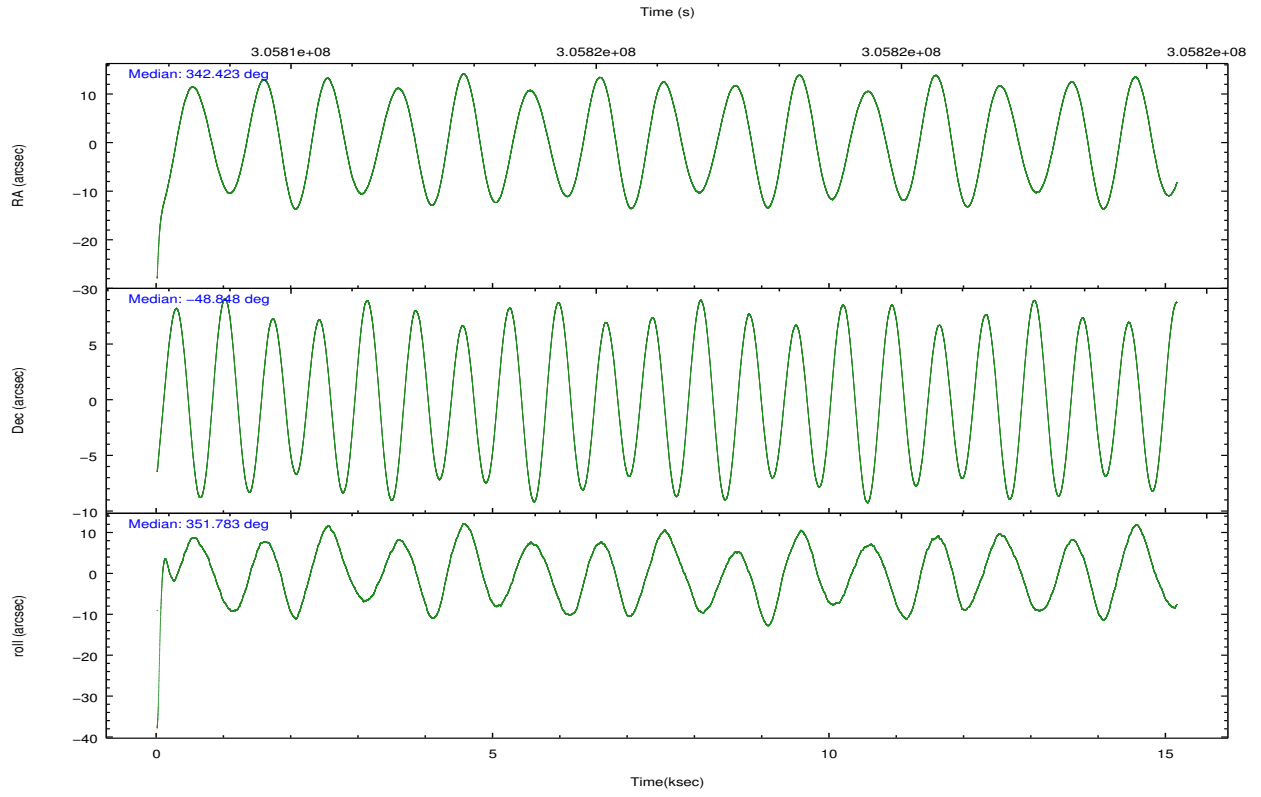
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	126010	114936	182499	125566	132609	152735	grade 0 events	4103	3857	18857	4143	5860	10428
rejected events	114532	104104	86538	113416	72161	116776		3%	3%	10%	3%	4%	6%
rejected %	90%	90%	47%	90%	54%	76%	grade 1 events	81	68	509	46	175	125
								0%	0%	0%	0%	0%	0%
							grade 2 events	2768	2342	25930	2694	12313	8328
								2%	2%	14%	2%	9%	5%
							grade 3 events	1235	1218	3671	1368	5604	3776
								0%	1%	2%	1%	4%	2%
							grade 4 events	1285	1238	3446	1307	5545	3501
								1%	1%	1%	1%	4%	2%
							grade 5 events	3925	4718	14198	4895	13930	6871
								3%	4%	7%	3%	10%	4%
							grade 6 events	2091	2178	44075	2643	31141	9940
								1%	1%	24%	2%	23%	6%
							grade 7 events	110522	99317	71813	108470	58041	109766
								87%	86%	39%	86%	43%	71%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	342.384624	342.4229694409615	CCD I2 on	O1	Y
[deg] Pointing Dec	-48.858027	-48.84752181651979	CCD I3 on	O2	Y
[deg] Pointing Roll	351.600880	351.7863634252972	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	305808748.184000	305807370.04601	CCD S5 on	N	N
Observation start date	2007-09-10T10:51:23	2007-09-10T10:29:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	305823748.184000	305824658.20934	On-chip summing requested	N	N
Observation end date	2007-09-10T15:01:23	2007-09-10T15:17:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





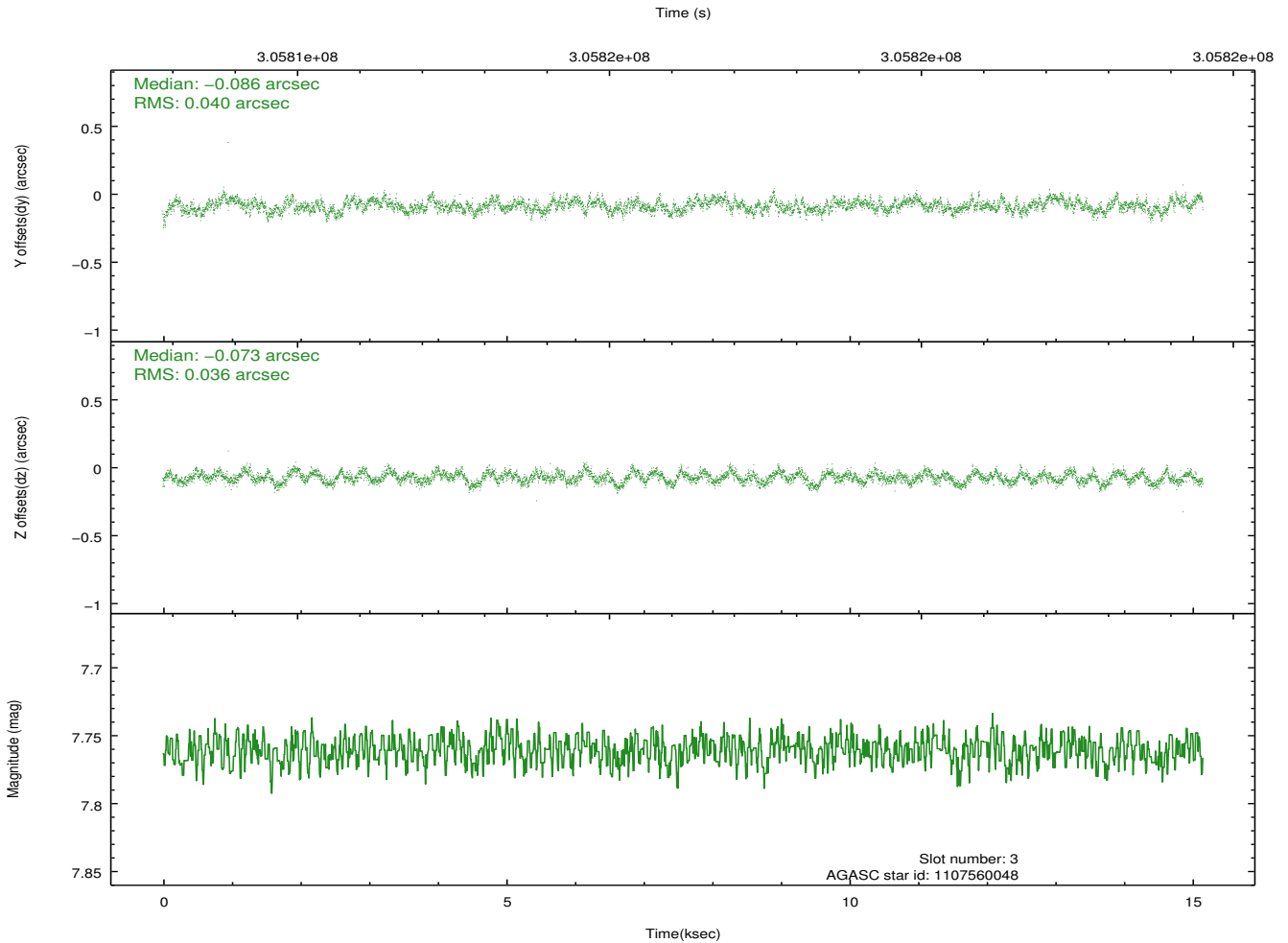
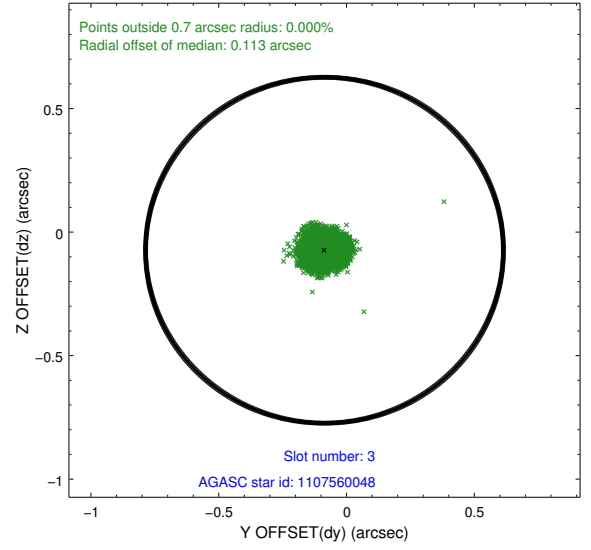
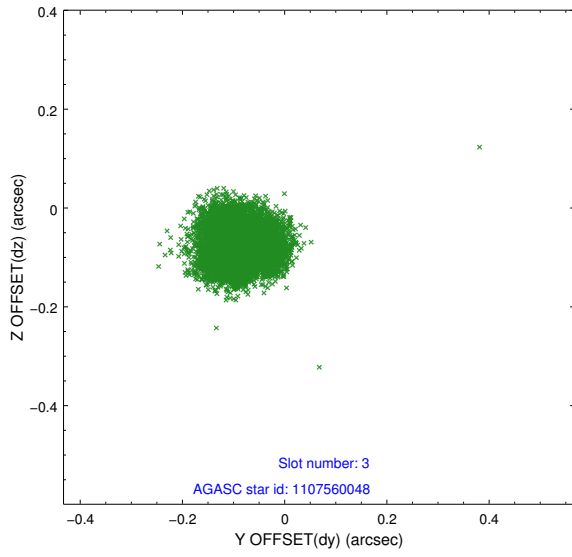
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	3697	0.060	-0.035	0.006	0.011	0.000000	0.000000	928.04	-1731.45
1	FID	ACIS-S-5	7.23	3697	-0.144	0.032	0.006	0.010	0.000000	0.000000	-1821.00	165.85
2	FID	ACIS-S-6	7.33	3696	0.063	0.015	0.007	0.012	0.000000	0.000000	393.27	810.14
3	GUIDE	1107560048	7.76	7392	-0.086	-0.073	0.058	0.090	341.578834	-48.390013	-2150.14	1375.40
4	GUIDE	1107560464	9.23	7387	0.061	0.091	0.100	0.159	342.400297	-48.573981	-112.46	1017.42
5	GUIDE	1107562056	9.26	7384	0.068	-0.036	0.117	0.183	342.432432	-49.238204	311.43	-1337.32
6	GUIDE	1107565496	9.26	7366	-0.042	-0.067	0.083	0.136	343.327754	-48.629132	2101.76	1129.27
7	GUIDE	1107560704	9.32	7380	-0.001	0.082	0.084	0.141	341.500684	-48.466258	-2291.22	1075.14

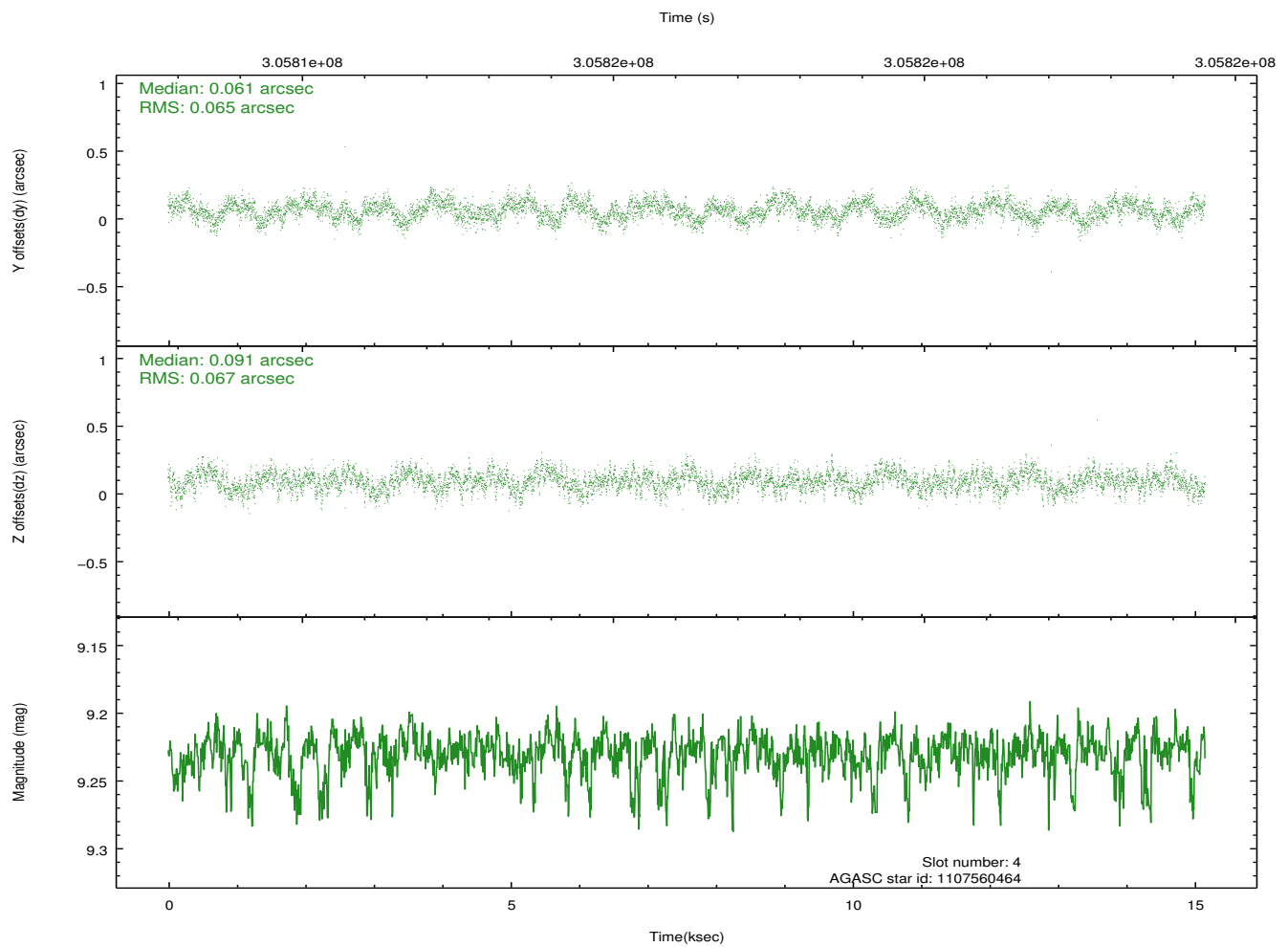
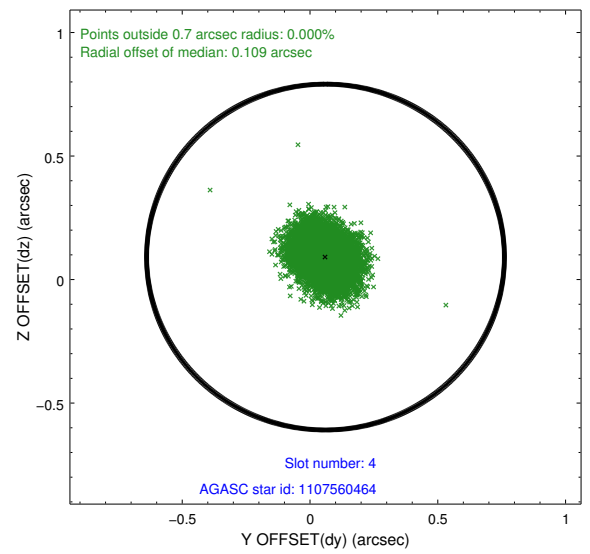
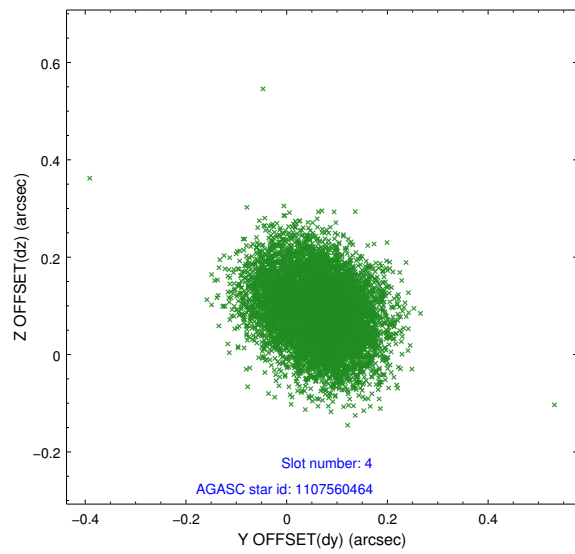
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2.4 Star Slots

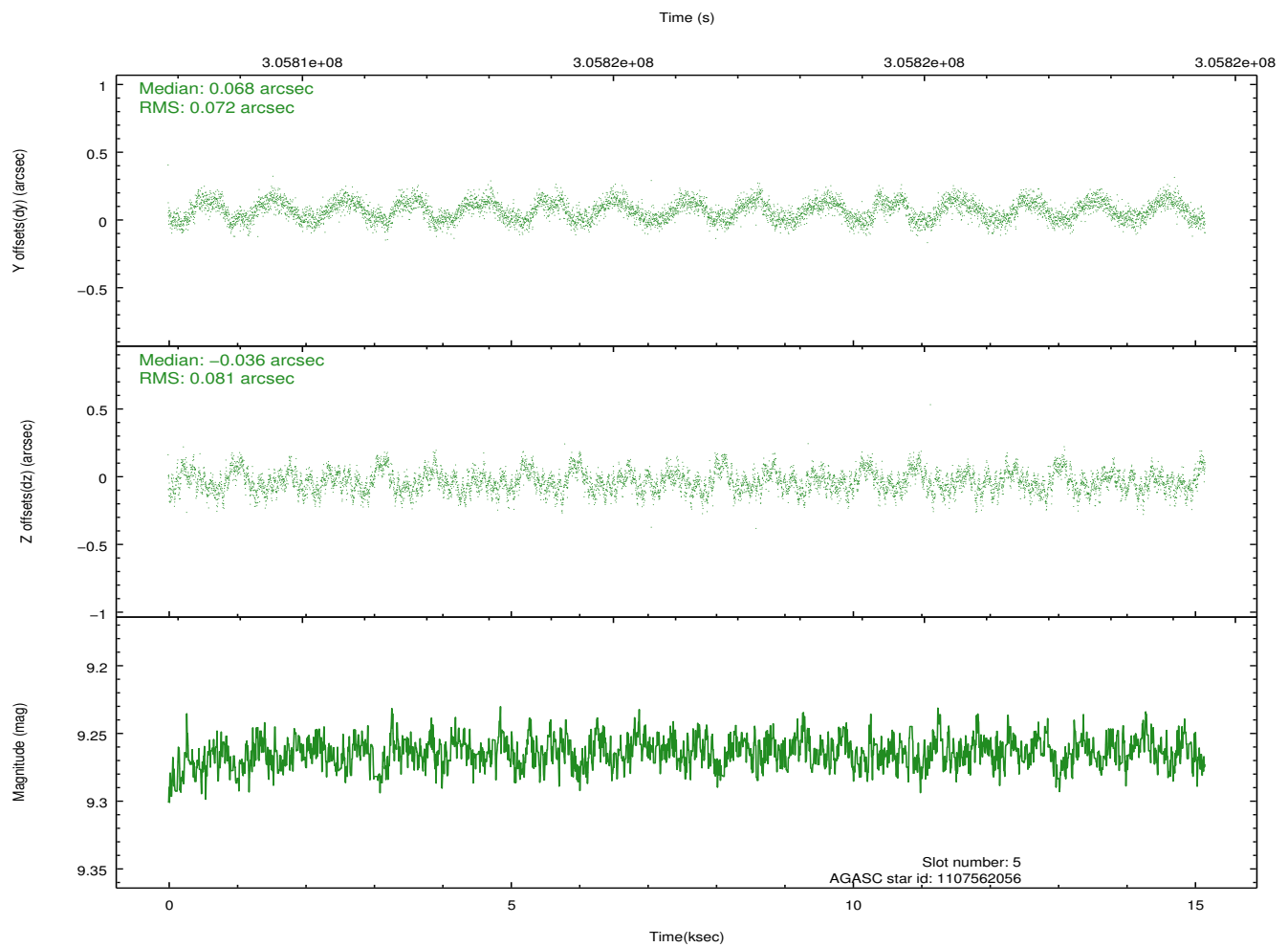
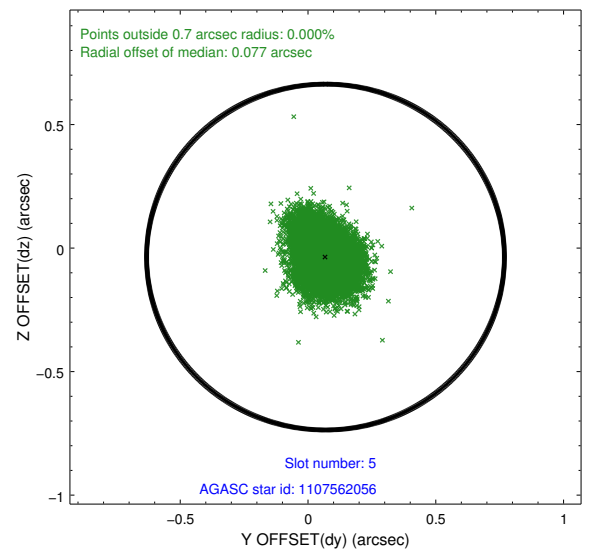
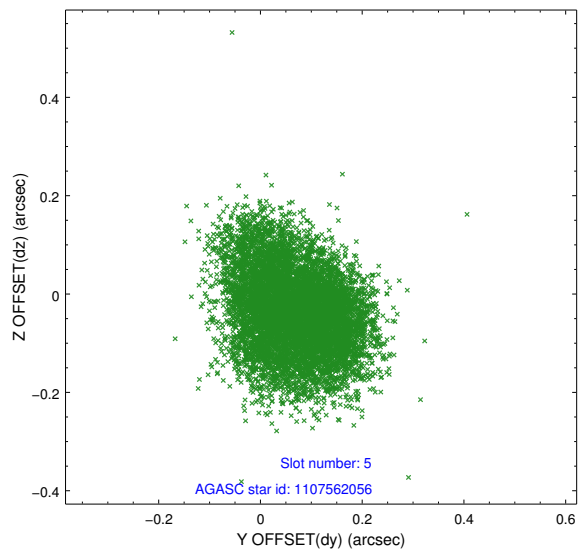
2.4.1 Slot 3



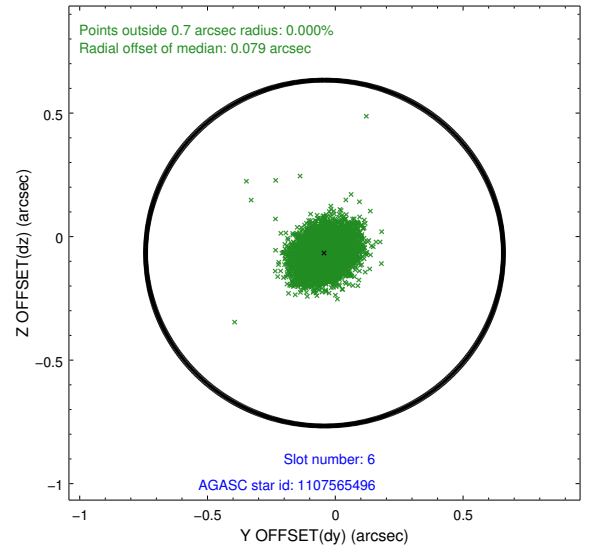
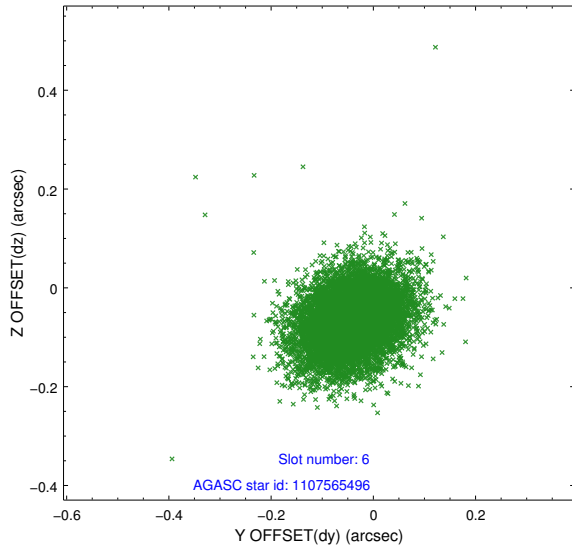
2.4.2 Slot 4



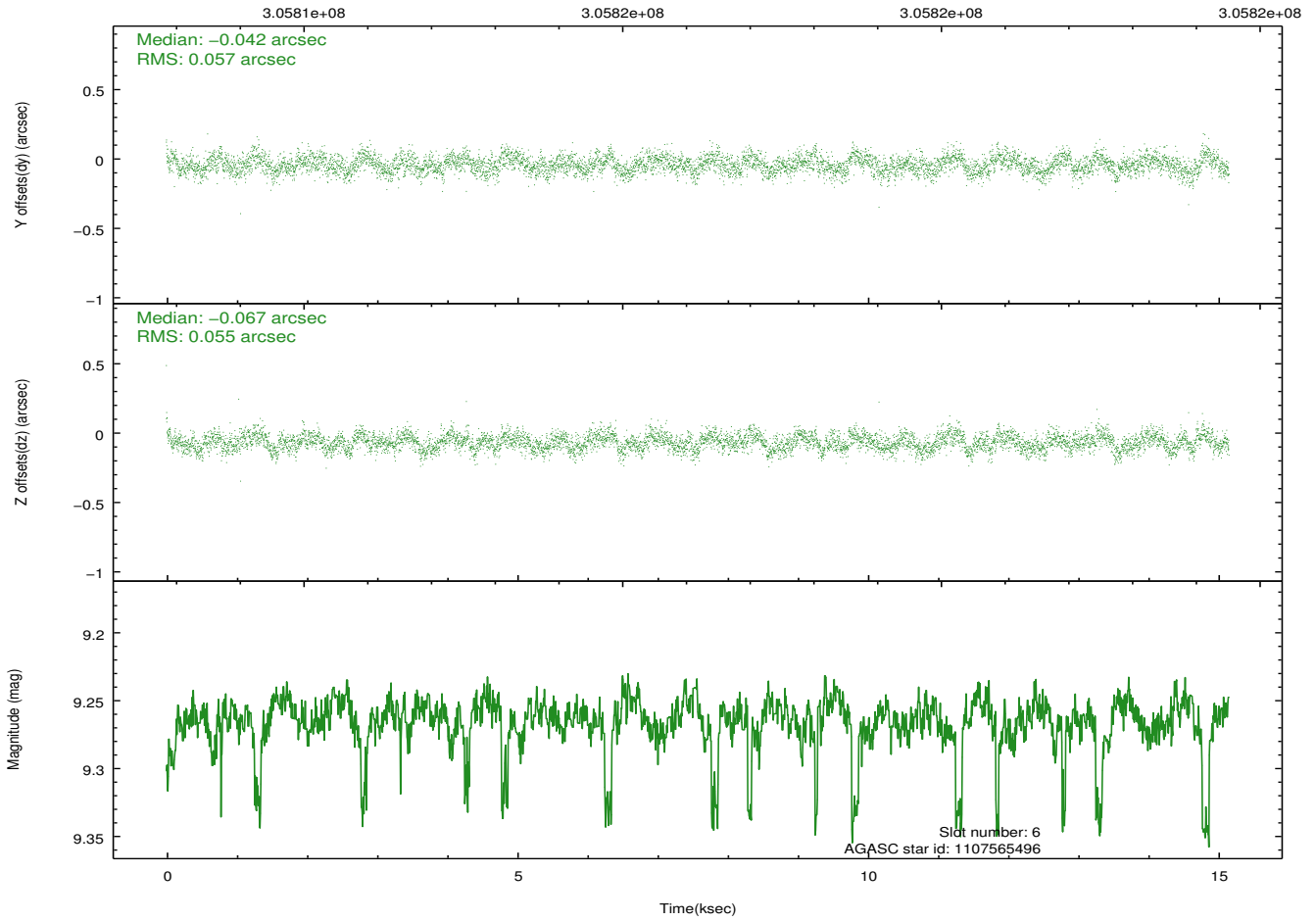
2.4.3 Slot 5



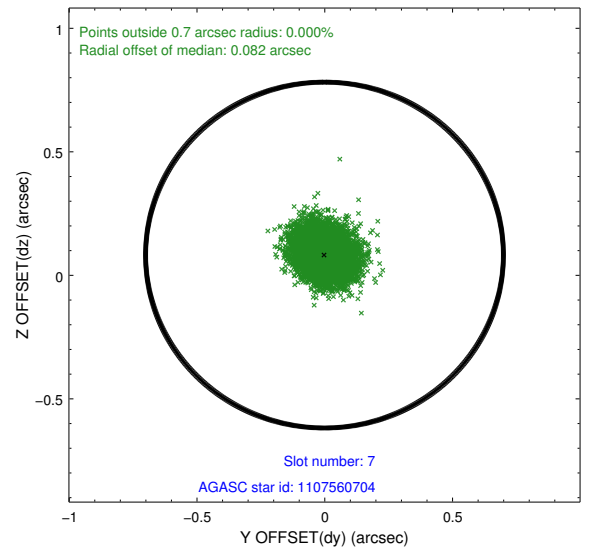
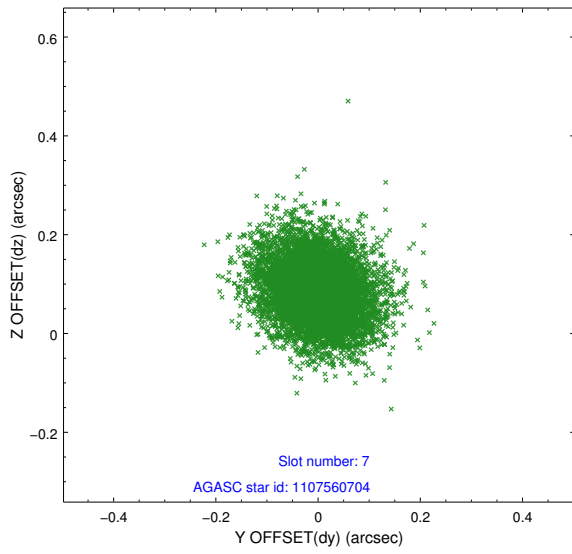
2.4.4 Slot 6



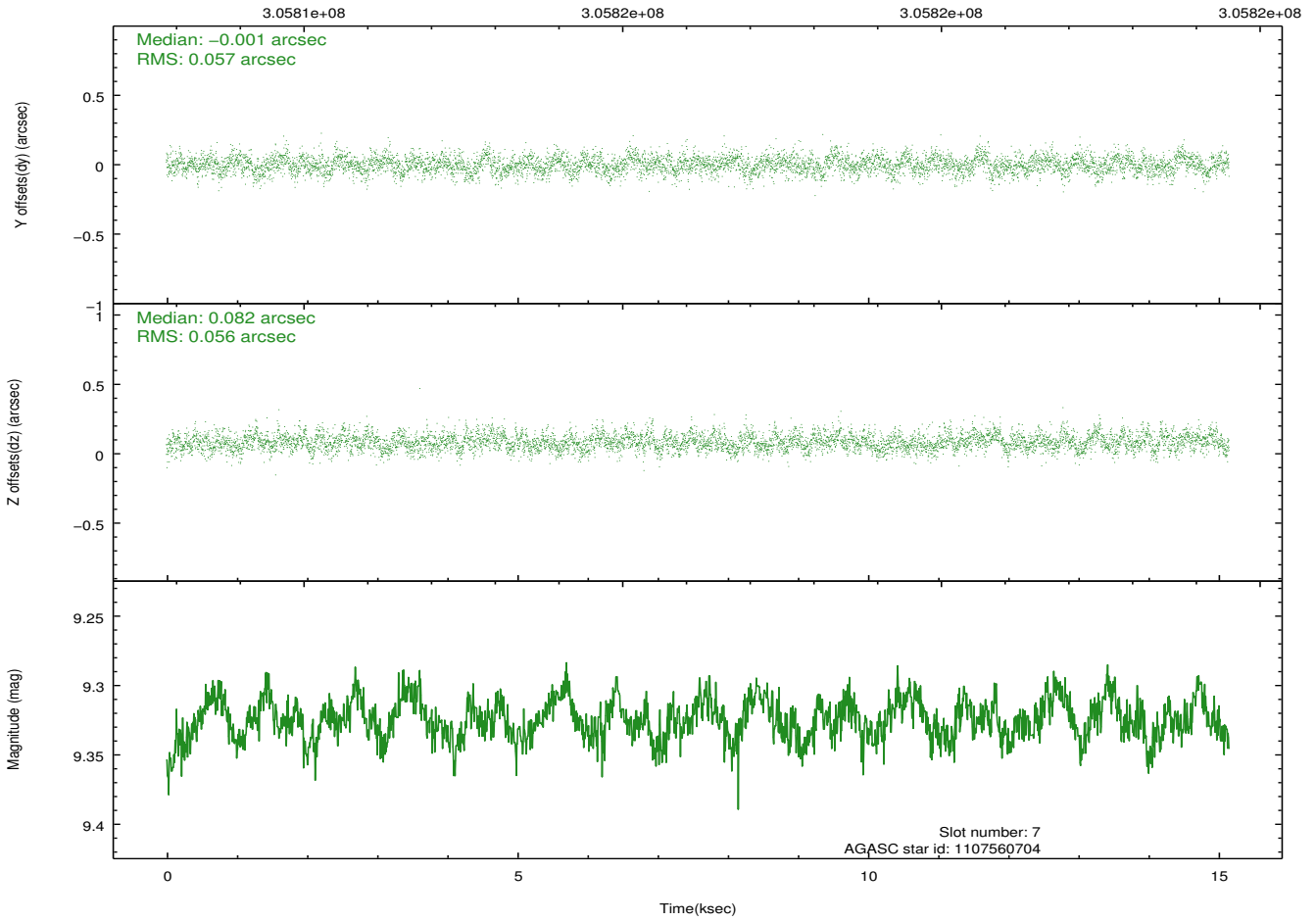
Time (s)



2.4.5 Slot 7

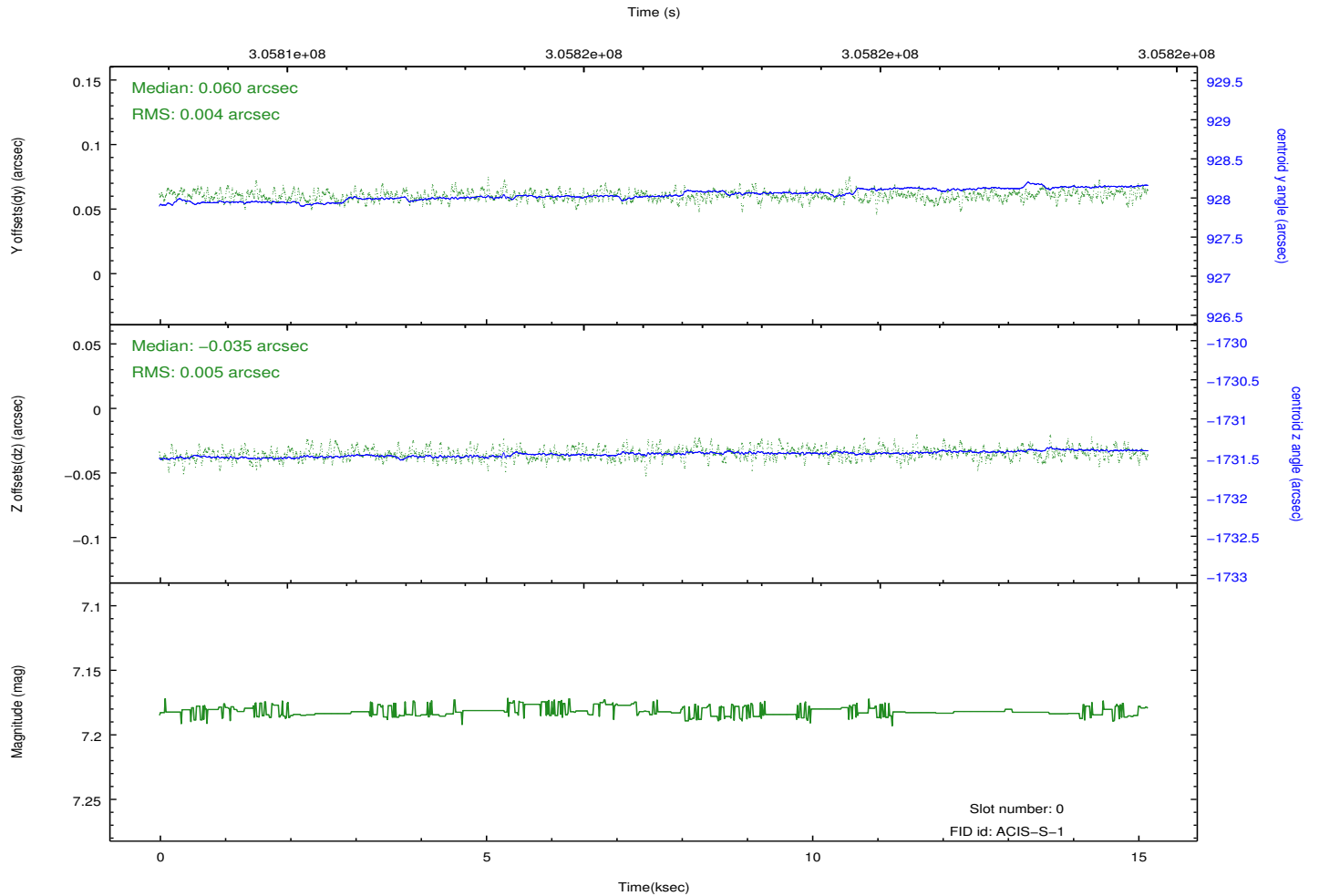
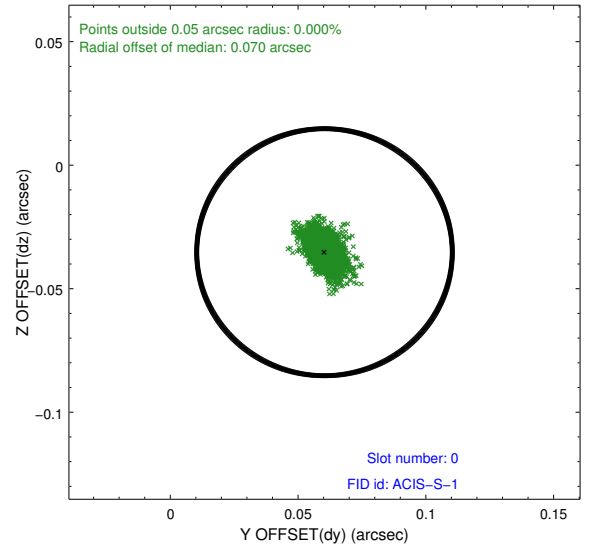
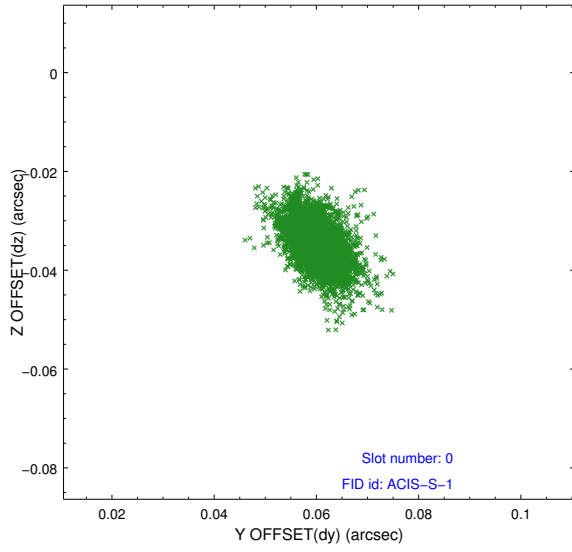


Time (s)

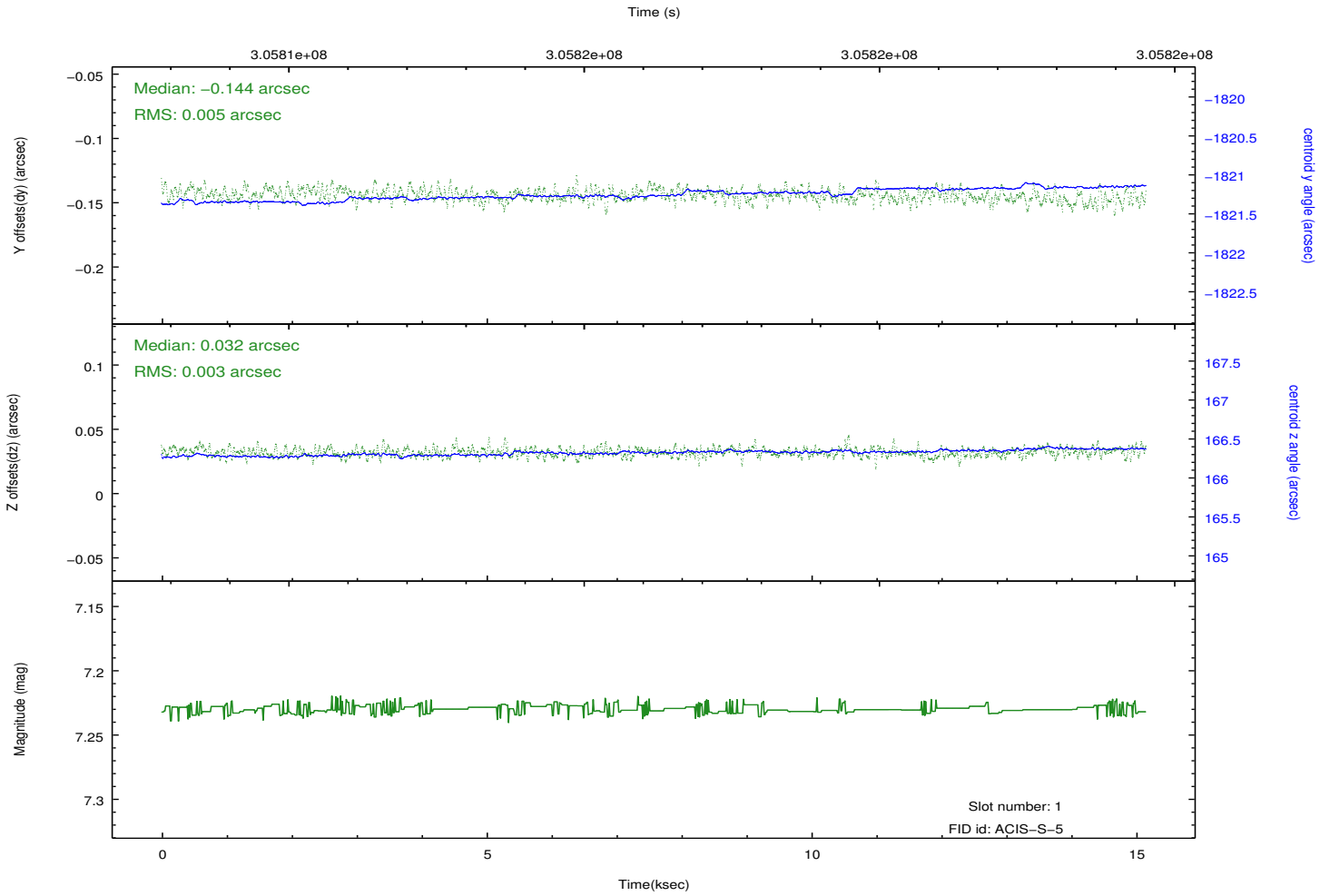
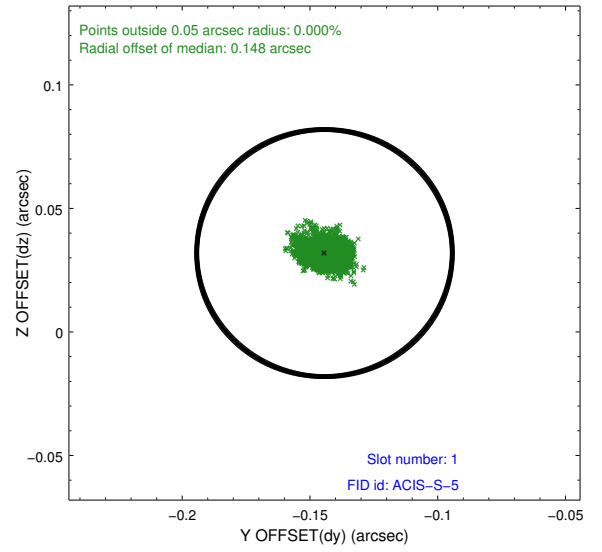
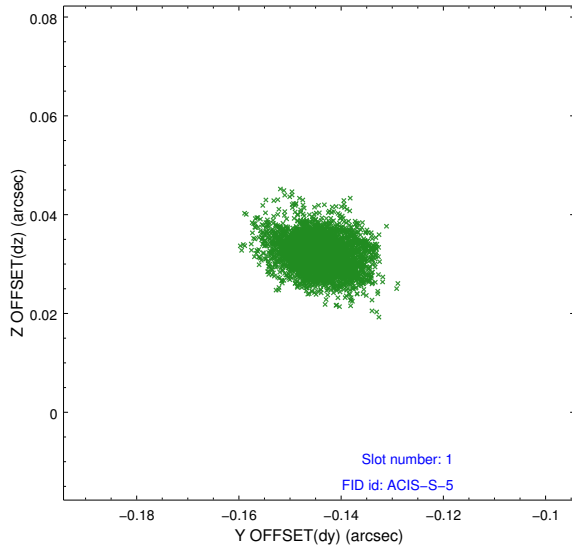


2.5 FID Slots

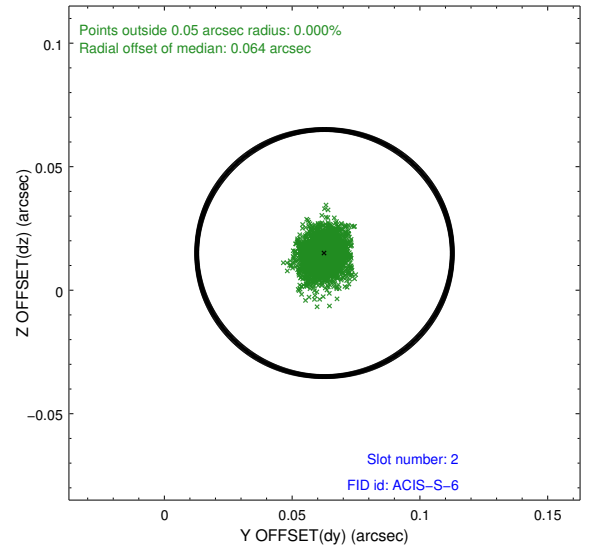
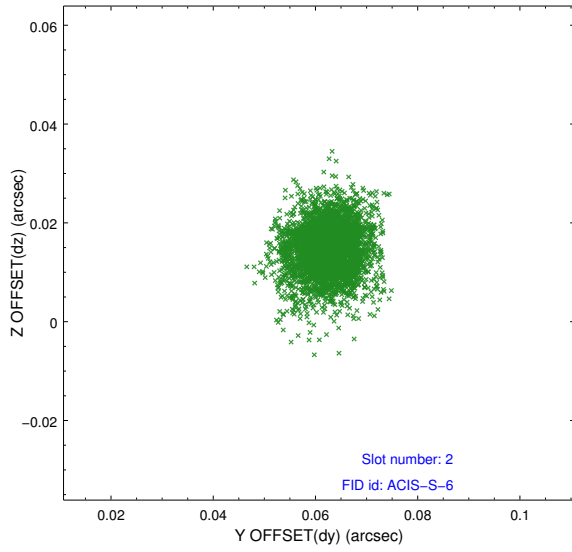
2.5.1 Slot 0



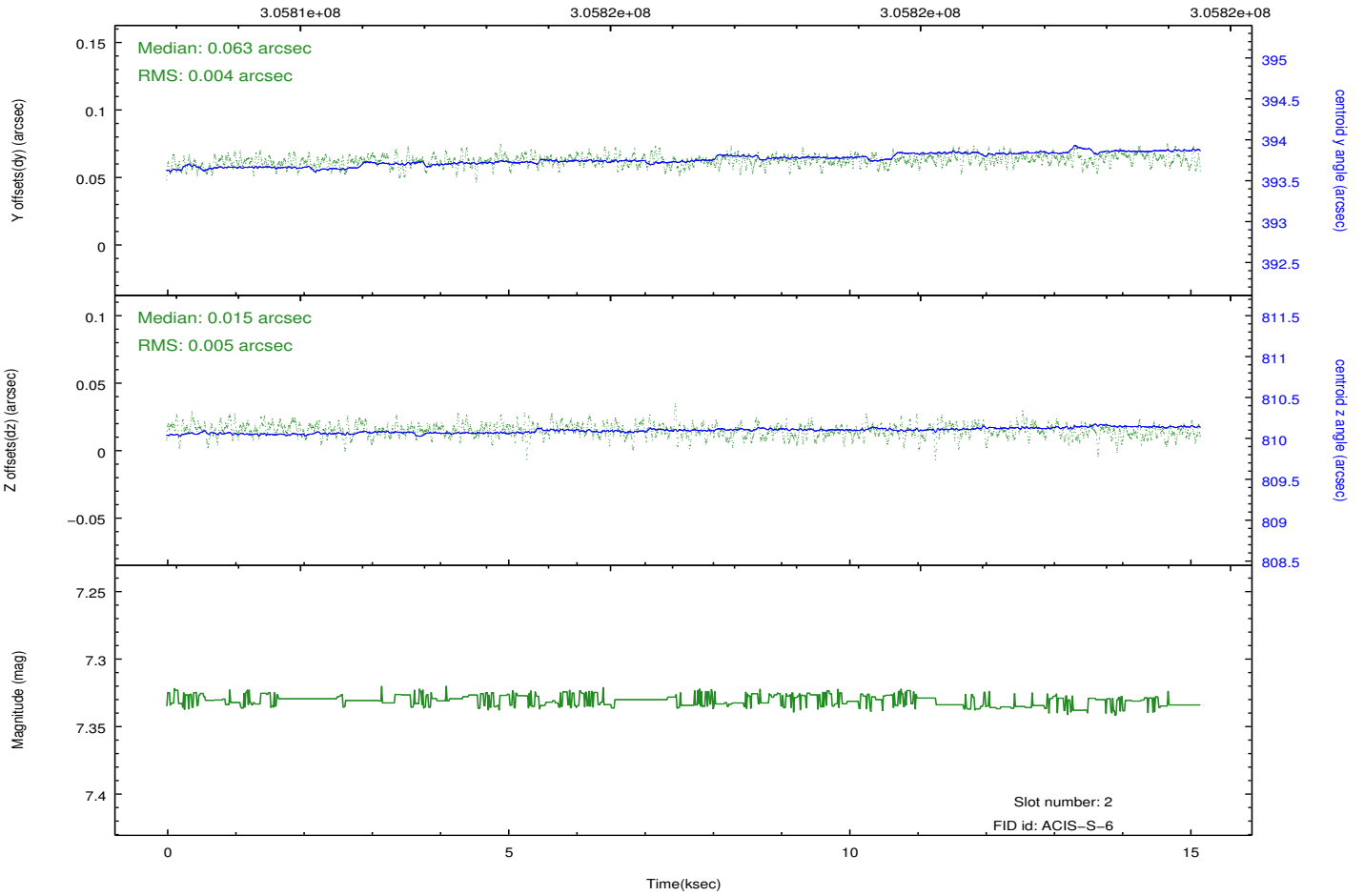
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.7583999

A.2 Comments