

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6858 - L2 Version 2
Chandra X-Ray Center

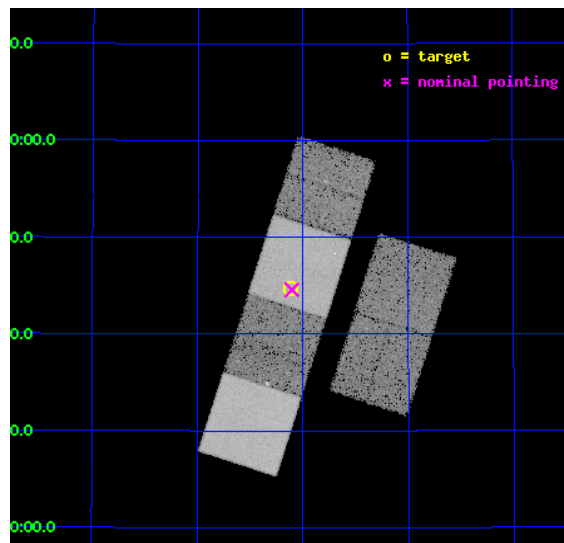
L2 Processing Date : Apr 9 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

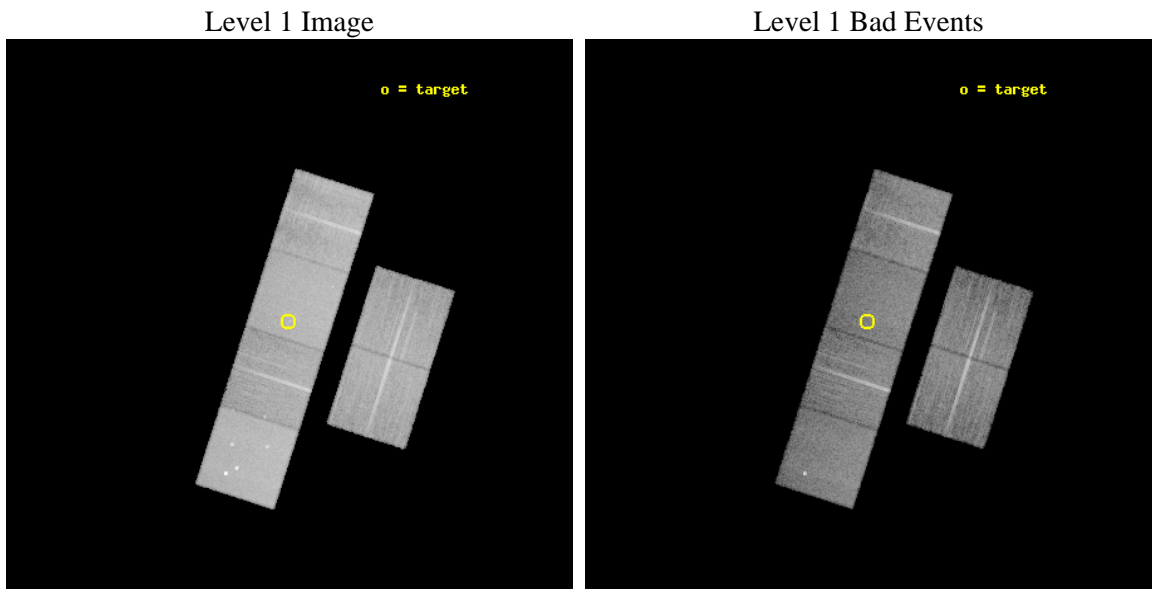
seq_num	701276	Sequence number
obs_id	6858	Observation id
title	Chandra observations of (U)LIRGs with double nuclei: search for binary AGN and X-ray luminous starbursts	Proposal title
observer	Dr. Stefanie Komossa	Principal investigator
object	IZw107	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	229.527917	Observer's specified target RA [deg]
dec_targ	42.744722	Observer's specified target Dec [deg]
ra_nom	229.52630931952	Nominal RA [deg]
dec_nom	42.742990542058	Nominal Dec [deg]
roll_nom	287.75520166316	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14655.999945462	Sum of GTIs [s]
livetime	14470.416849369	Livetime [s]
ontime2	14655.999945462	Sum of GTIs [s]
ontime3	14655.999945462	Sum of GTIs [s]
ontime5	14655.999945462	Sum of GTIs [s]
ontime6	14655.999945462	Sum of GTIs [s]
ontime7	14655.999945462	Sum of GTIs [s]
ontime8	14655.999945462	Sum of GTIs [s]
l2events	214912	Number of level 2 events



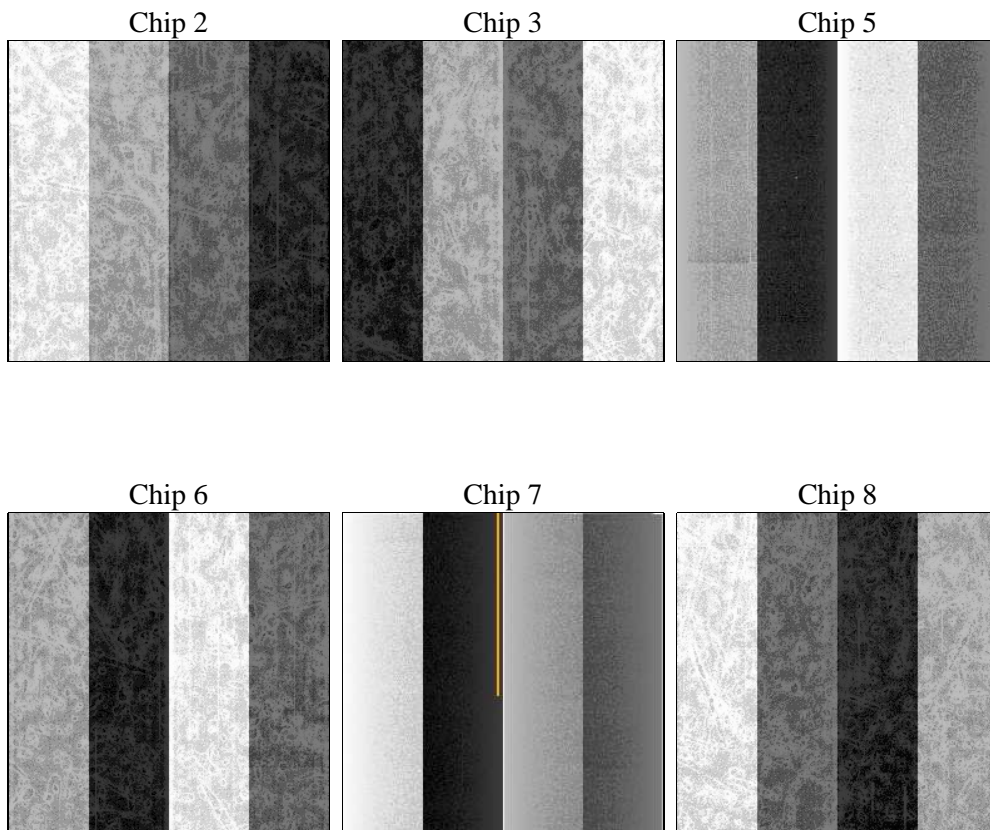
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14478.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	14655.999945462	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	14655.999945462	Sum of GTIs [s]
date	2012-04-09T15:13:45	Date and time of file creation	ontime3	14655.999945462	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	14655.999945462	Sum of GTIs [s]
			ontime6	14655.999945462	Sum of GTIs [s]
			ontime7	14655.999945462	Sum of GTIs [s]
			ontime8	14655.999945462	Sum of GTIs [s]
			l1events	946838	Number of level 1 events

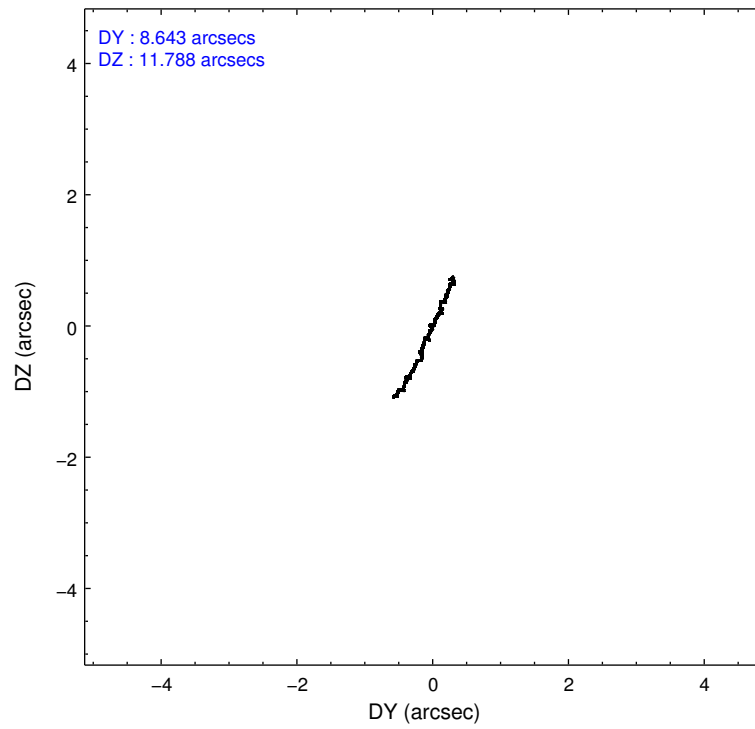
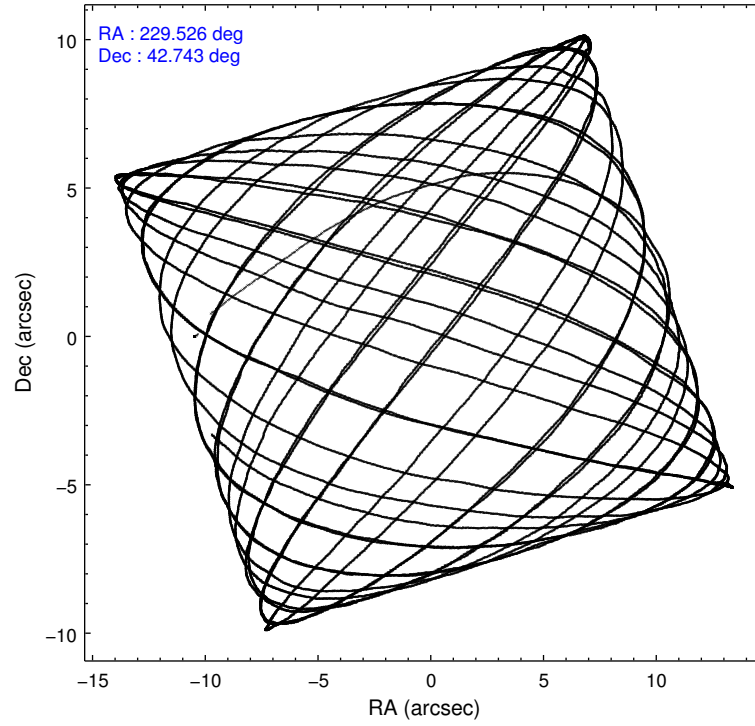
2.1.4 Events

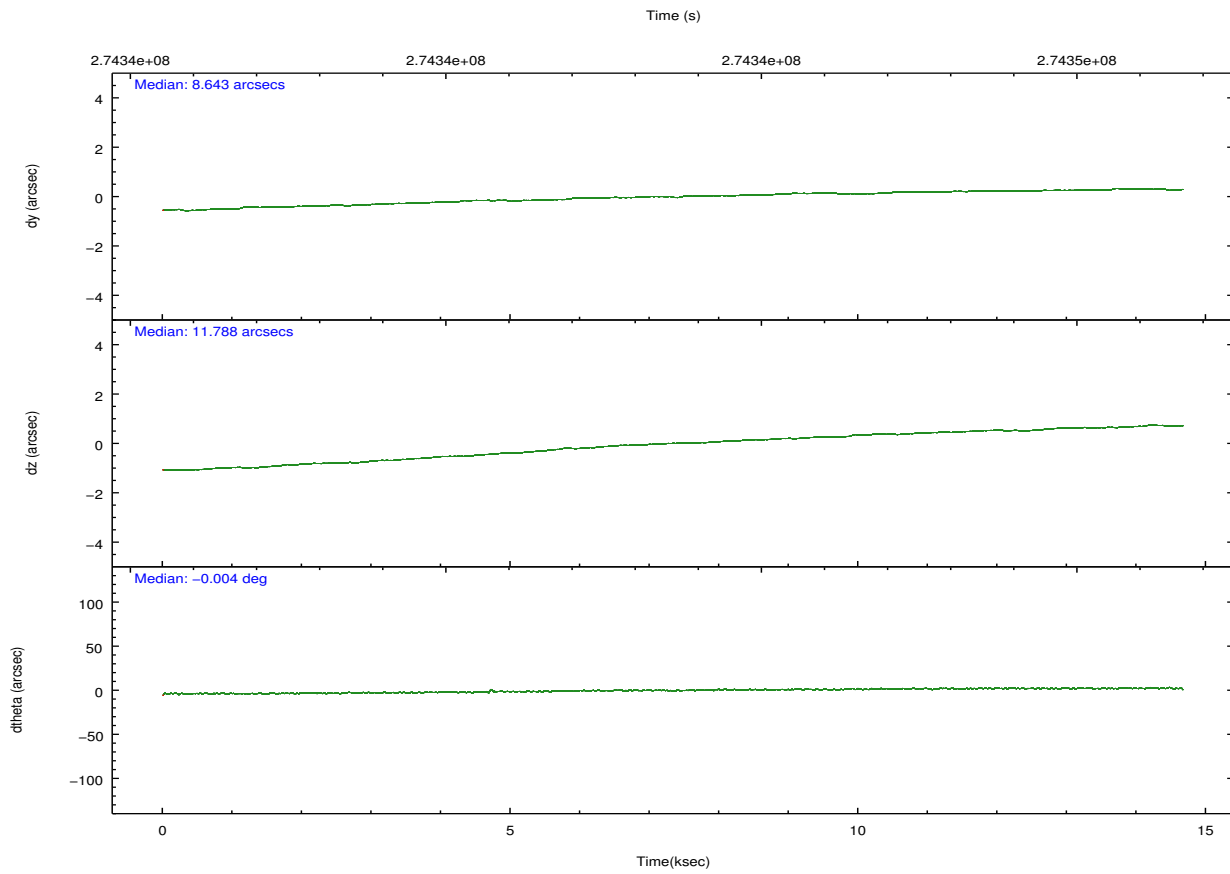
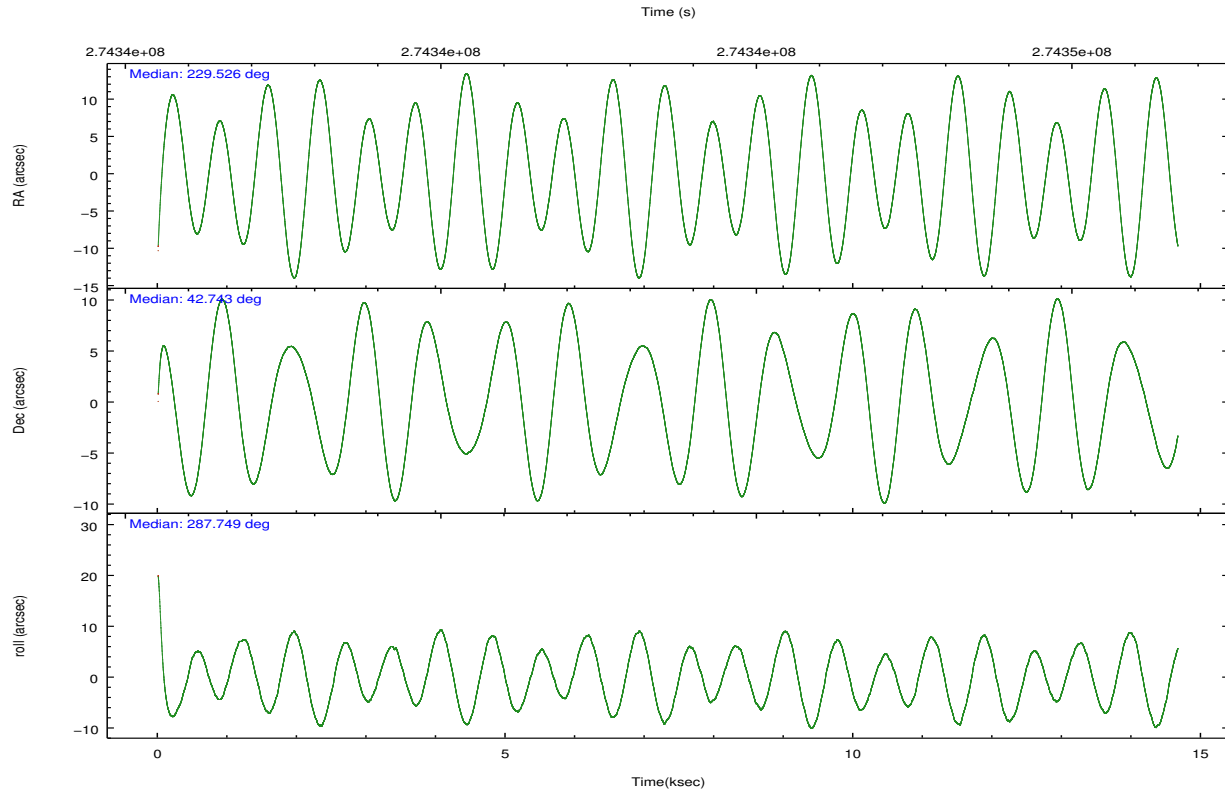
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	136866	127551	201029	131237	179646	170509	grade 0 events	6903	6485	9251	6192	6782	11406
rejected events	121181	112361	108599	115703	104261	133315		5%	5%	4%	4%	3%	6%
rejected %	88%	88%	54%	88%	58%	78%	grade 1 events	94	83	262	75	215	129
								0%	0%	0%	0%	0%	0%
							grade 2 events	3401	2963	28345	3325	15017	8478
								2%	2%	14%	2%	8%	4%
							grade 3 events	1361	1502	3399	1532	6628	3841
								0%	1%	1%	1%	3%	2%
							grade 4 events	1483	1468	3197	1426	6609	3651
								1%	1%	1%	1%	3%	2%
							grade 5 events	5045	6108	14677	6096	17110	8137
								3%	4%	7%	4%	9%	4%
							grade 6 events	2566	2793	48354	3088	40462	9903
								1%	2%	24%	2%	22%	5%
							grade 7 events	116013	106149	93544	109503	86823	124964
								84%	83%	46%	83%	48%	73%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	229.498475	229.5263093195214	Subarray requested	NONE	NONE
[deg] Pointing Dec	42.761049	42.74299054205826	Alternating exposures requested	N	N
[deg] Pointing Roll	287.617466	287.7552016631577	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	274336454.184000	274335373.9241			
Observation start date	2006-09-11T04:33:09	2006-09-11T04:16:13			
[s] Observation end time (MET)	274350932.184000	274351585.32486			
Observation end date	2006-09-11T08:34:27	2006-09-11T08:46:25			
Read mode	TIMED	TIMED			

2.3 Aspect



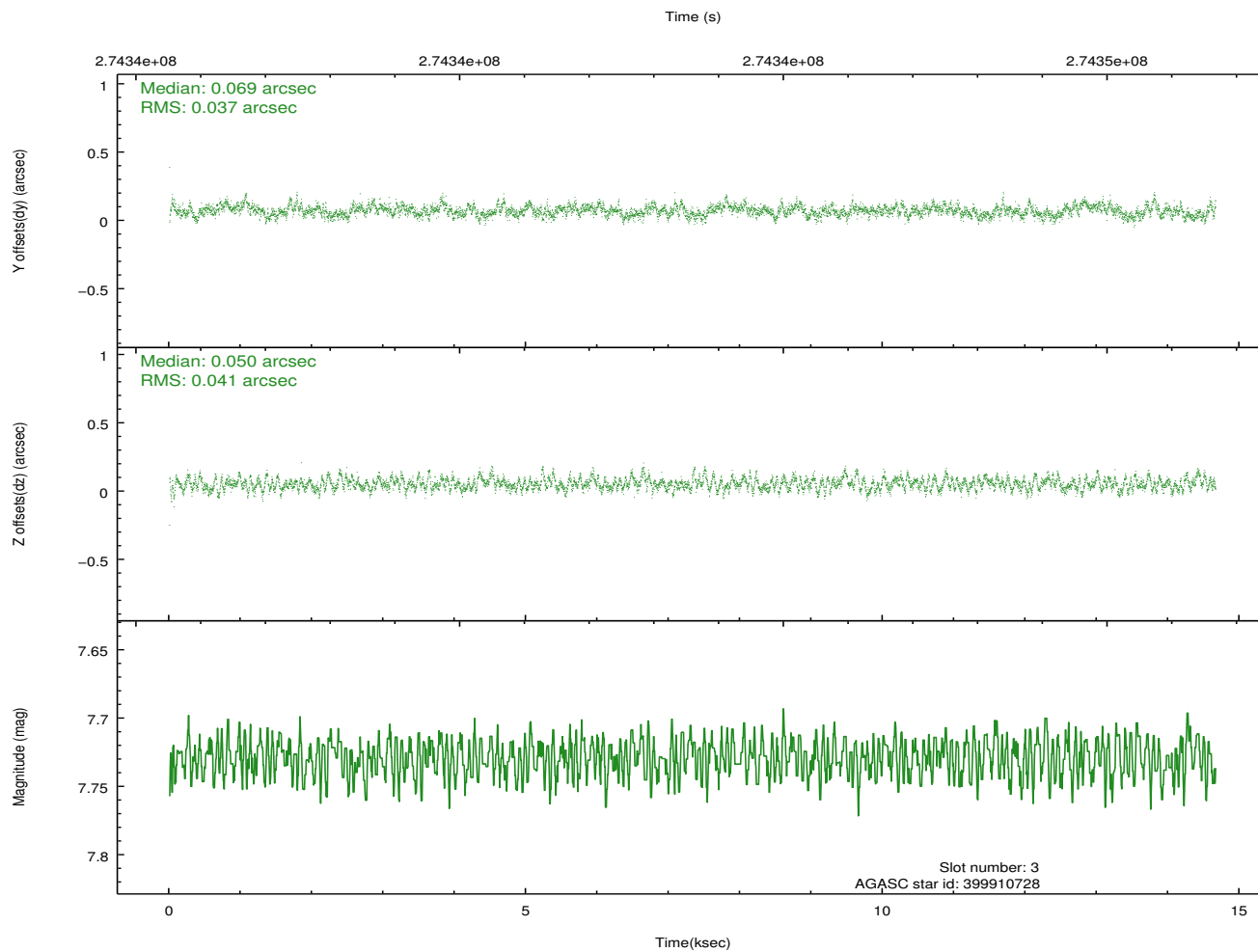
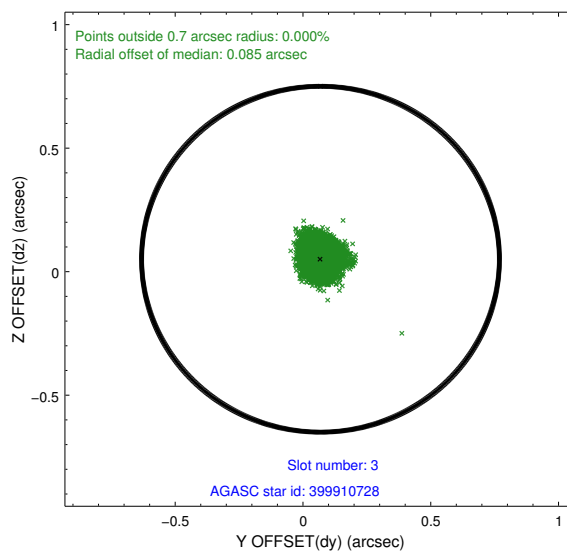
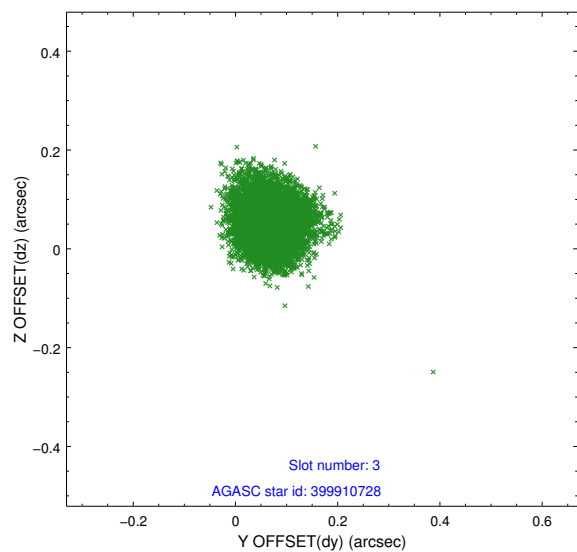


Slot Statistics

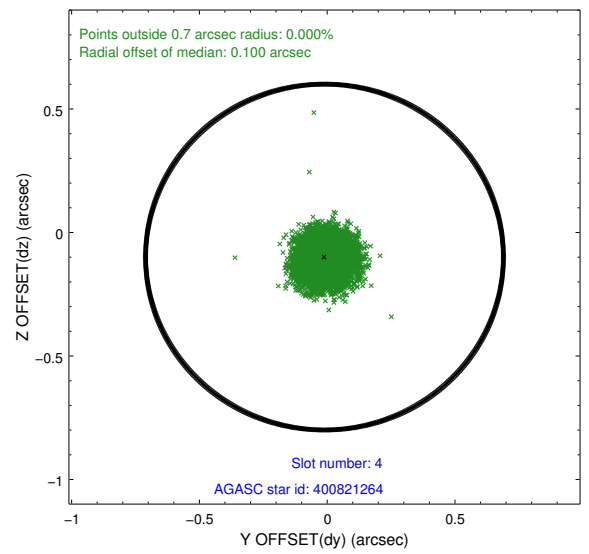
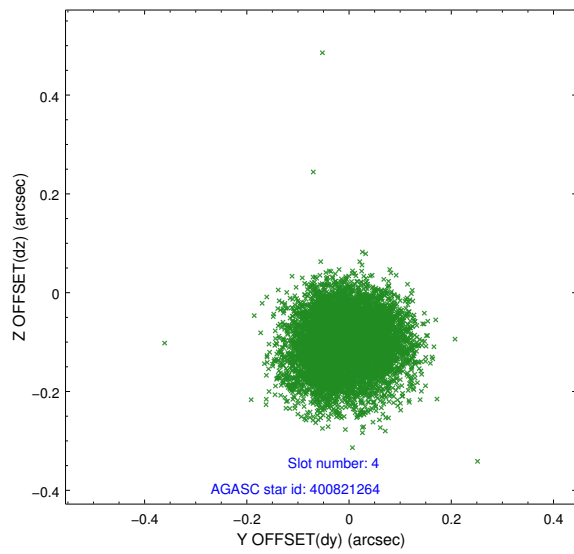
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3577	-0.021	-0.026	0.019	0.030	0.000000	0.000000	-761.41	-1732.97
1	FID	ACIS-S-4	7.21	3575	0.125	0.017	0.009	0.024	0.000000	0.000000	2151.87	175.26
2	FID	ACIS-S-5	7.23	3577	-0.133	0.014	0.018	0.026	0.000000	0.000000	-1813.97	169.25
3	GUIDE	399910728	7.73	7152	0.069	0.050	0.059	0.095	229.328585	42.565875	533.00	-641.90
4	GUIDE	400821264	8.89	7148	-0.011	-0.099	0.085	0.134	230.258246	43.127474	-661.56	2304.33
5	GUIDE	399511560	9.31	7148	0.184	0.042	0.114	0.184	229.235491	41.992688	2422.86	-1506.85
6	GUIDE	399910800	7.01	7152	-0.227	0.024	0.061	0.095	228.496749	43.048080	-1797.33	-2194.93
7	GUIDE	400819400	8.52	7152	-0.015	-0.018	0.084	0.129	230.472716	42.602674	1310.15	2292.30

2.4 Star Slots

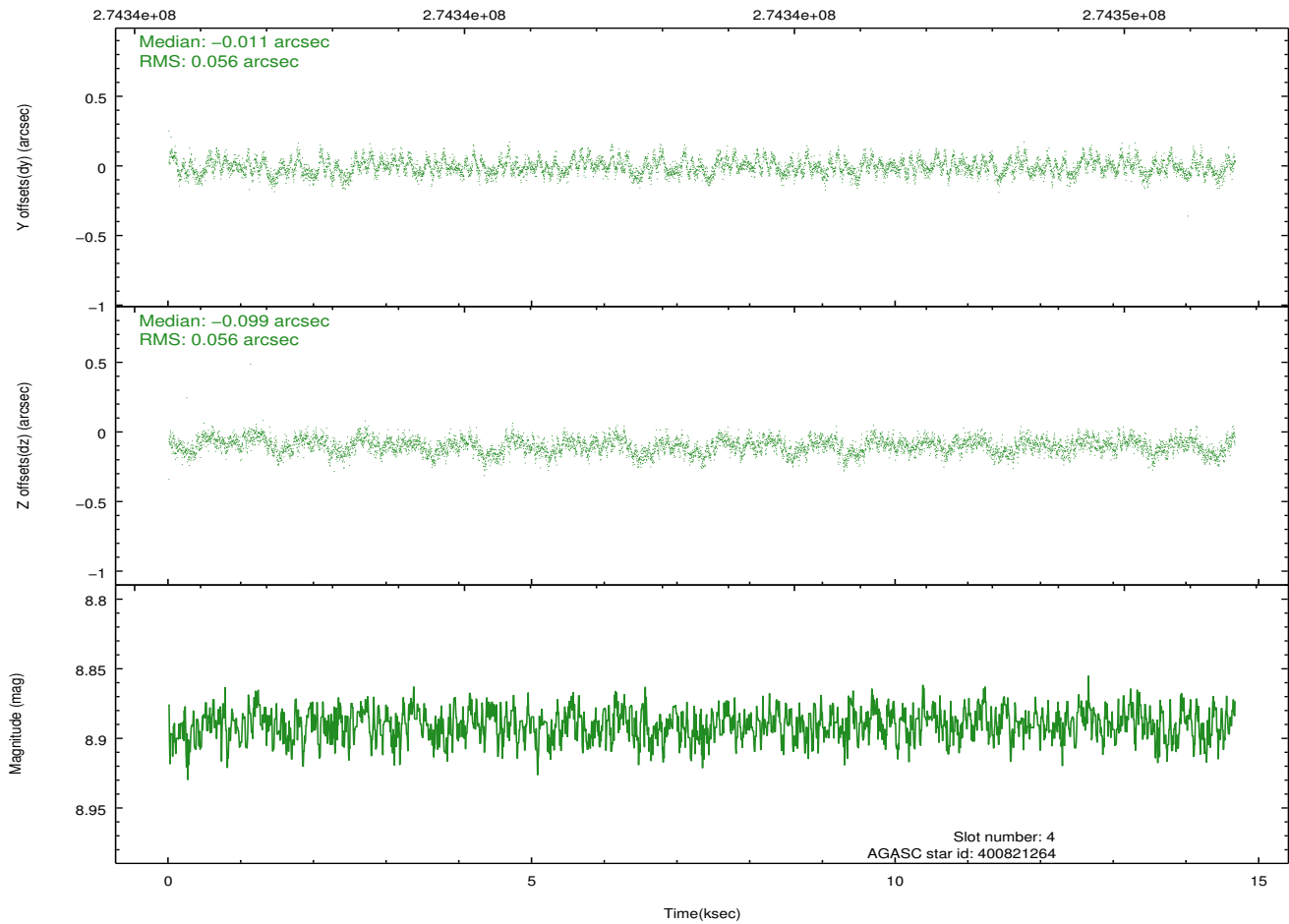
2.4.1 Slot 3



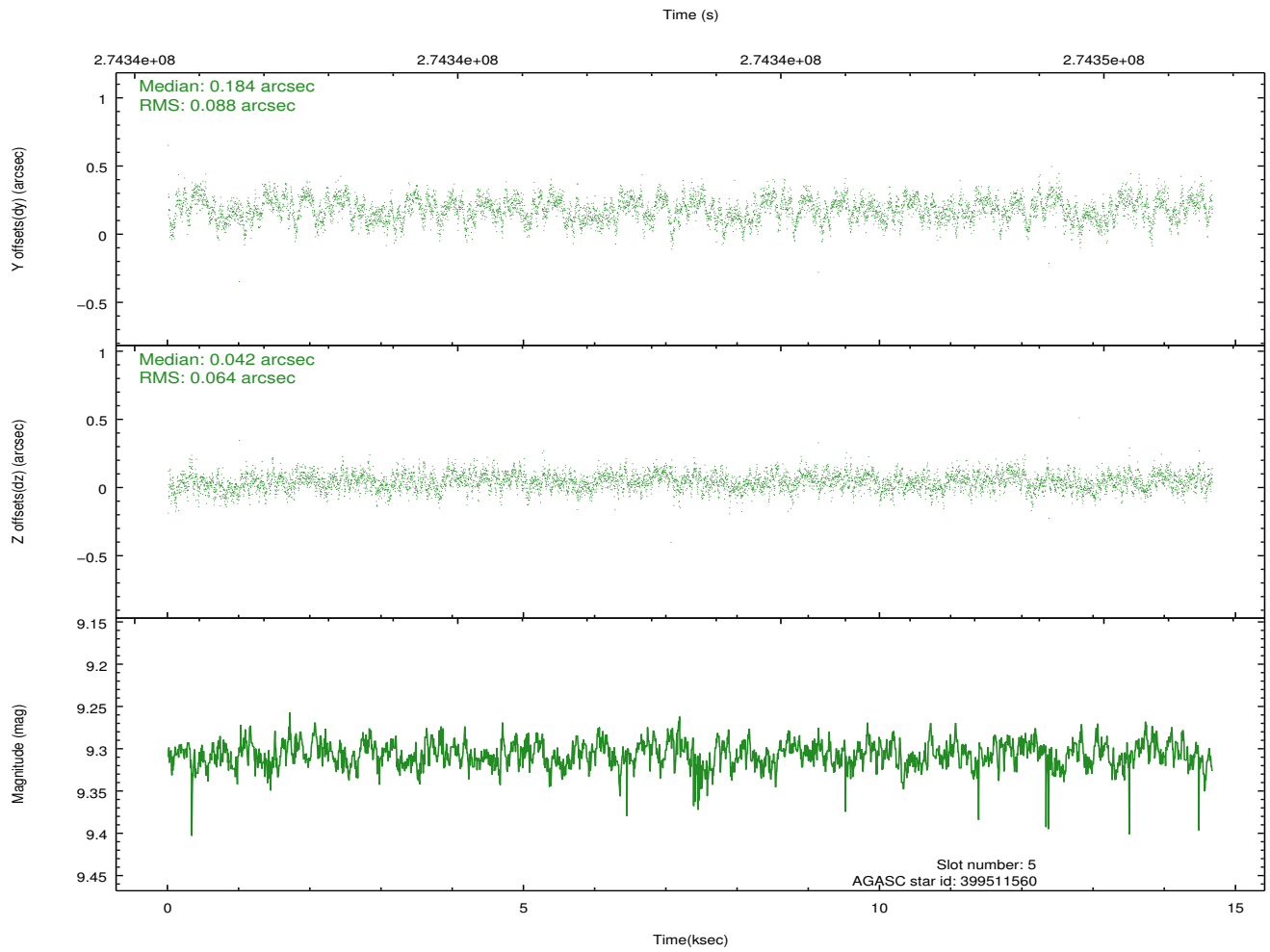
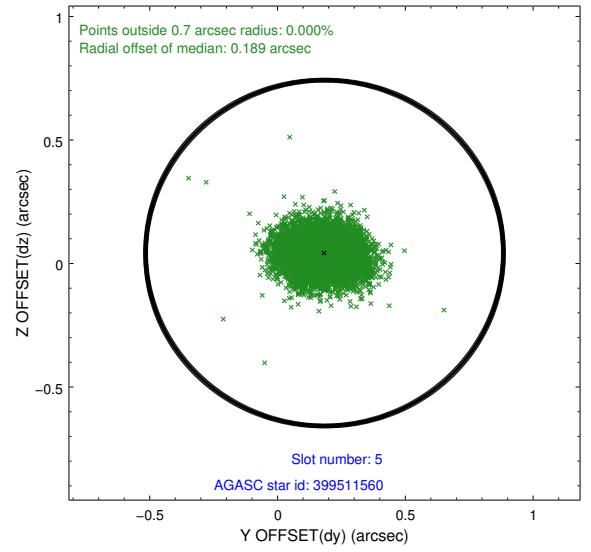
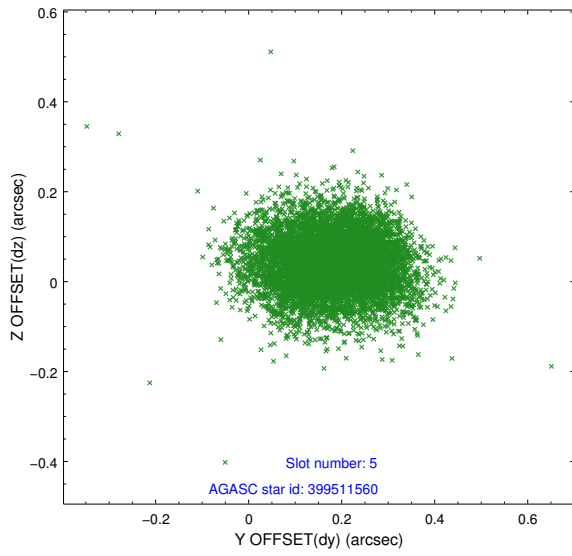
2.4.2 Slot 4



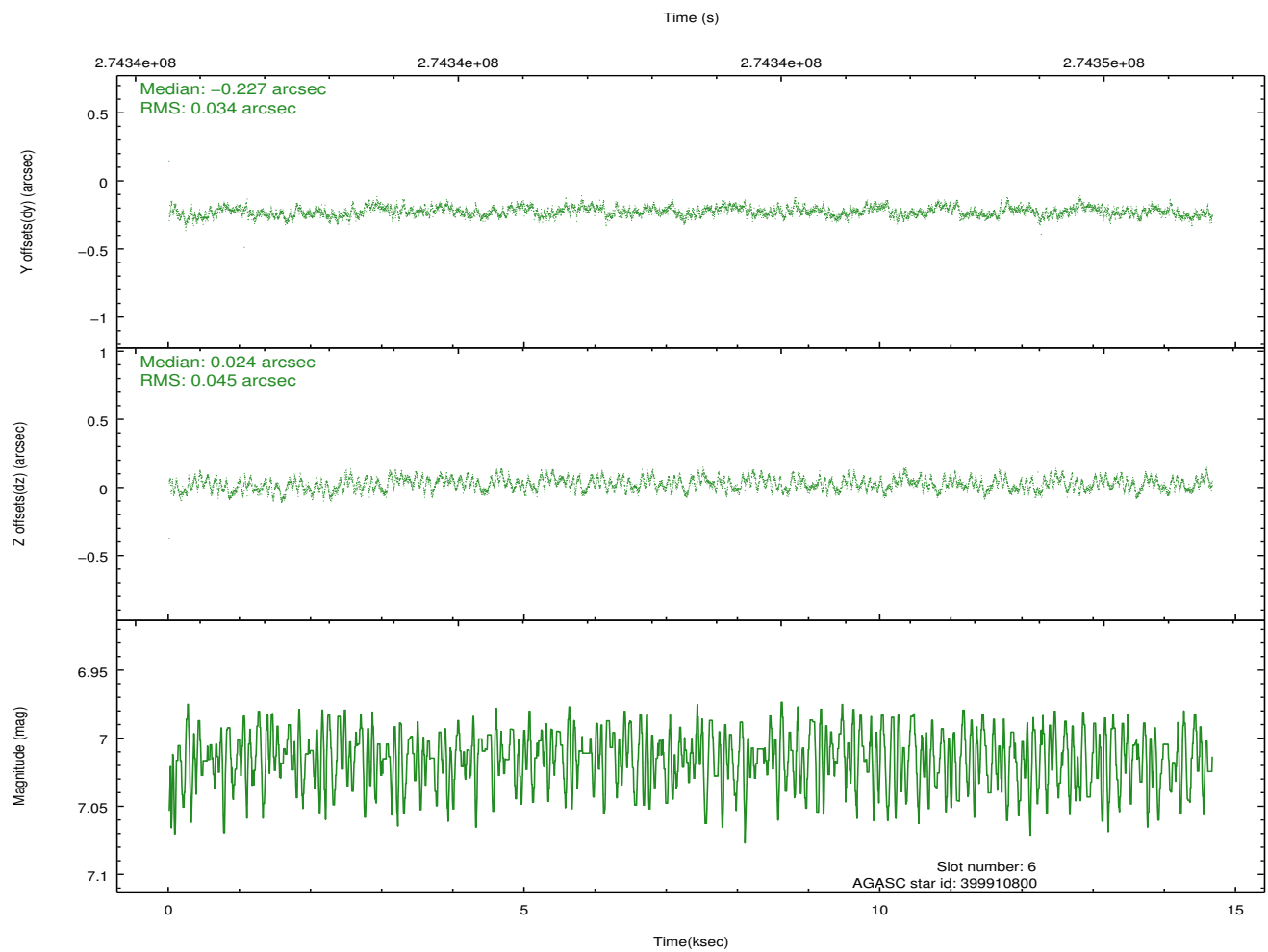
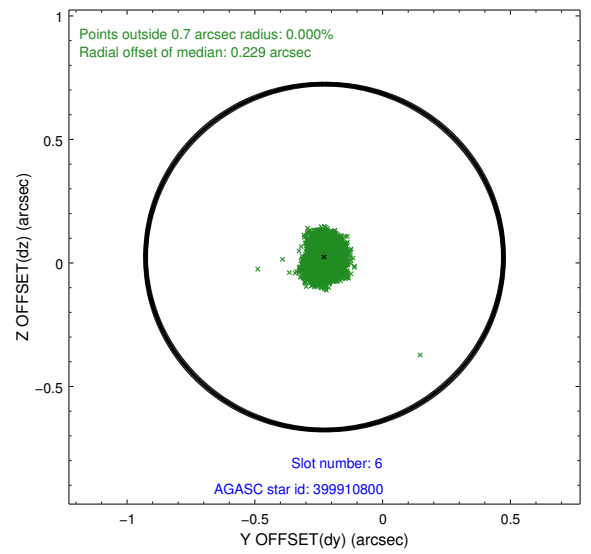
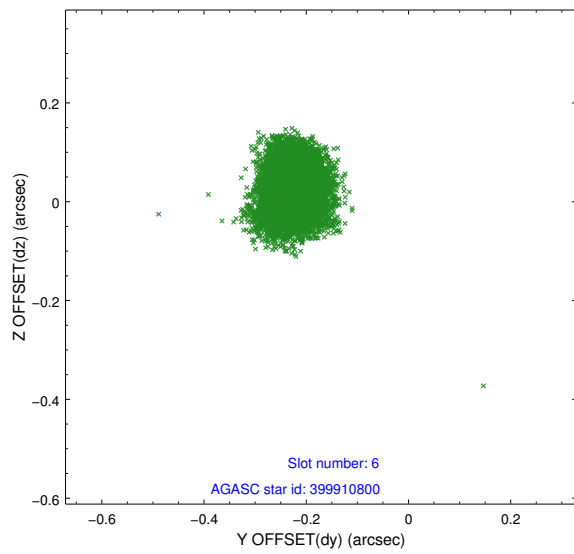
Time (s)



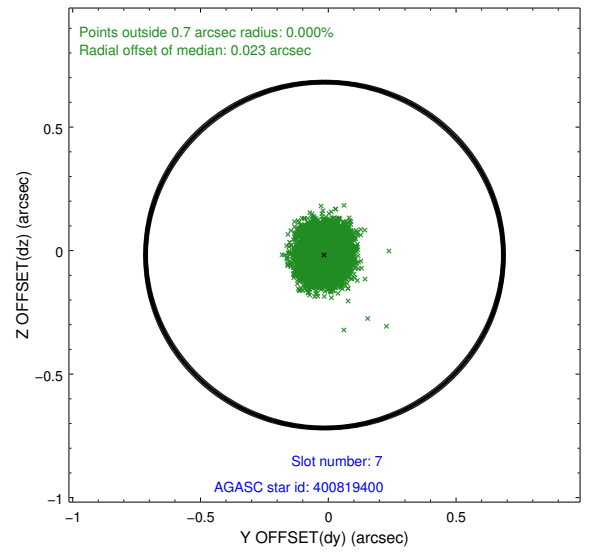
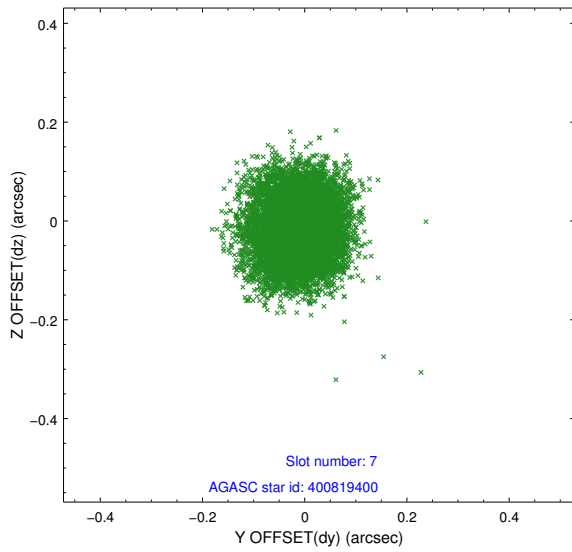
2.4.3 Slot 5



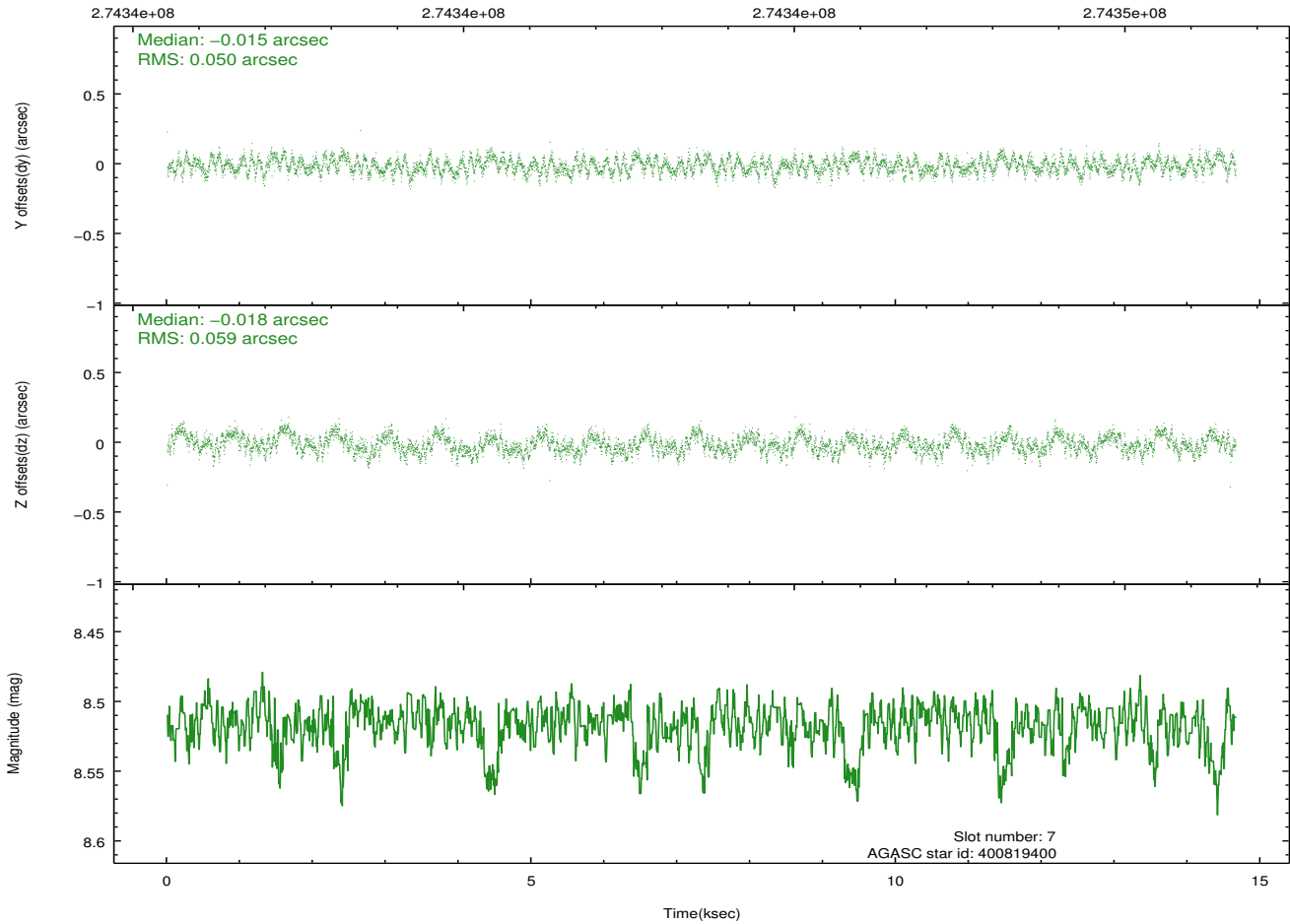
2.4.4 Slot 6



2.4.5 Slot 7

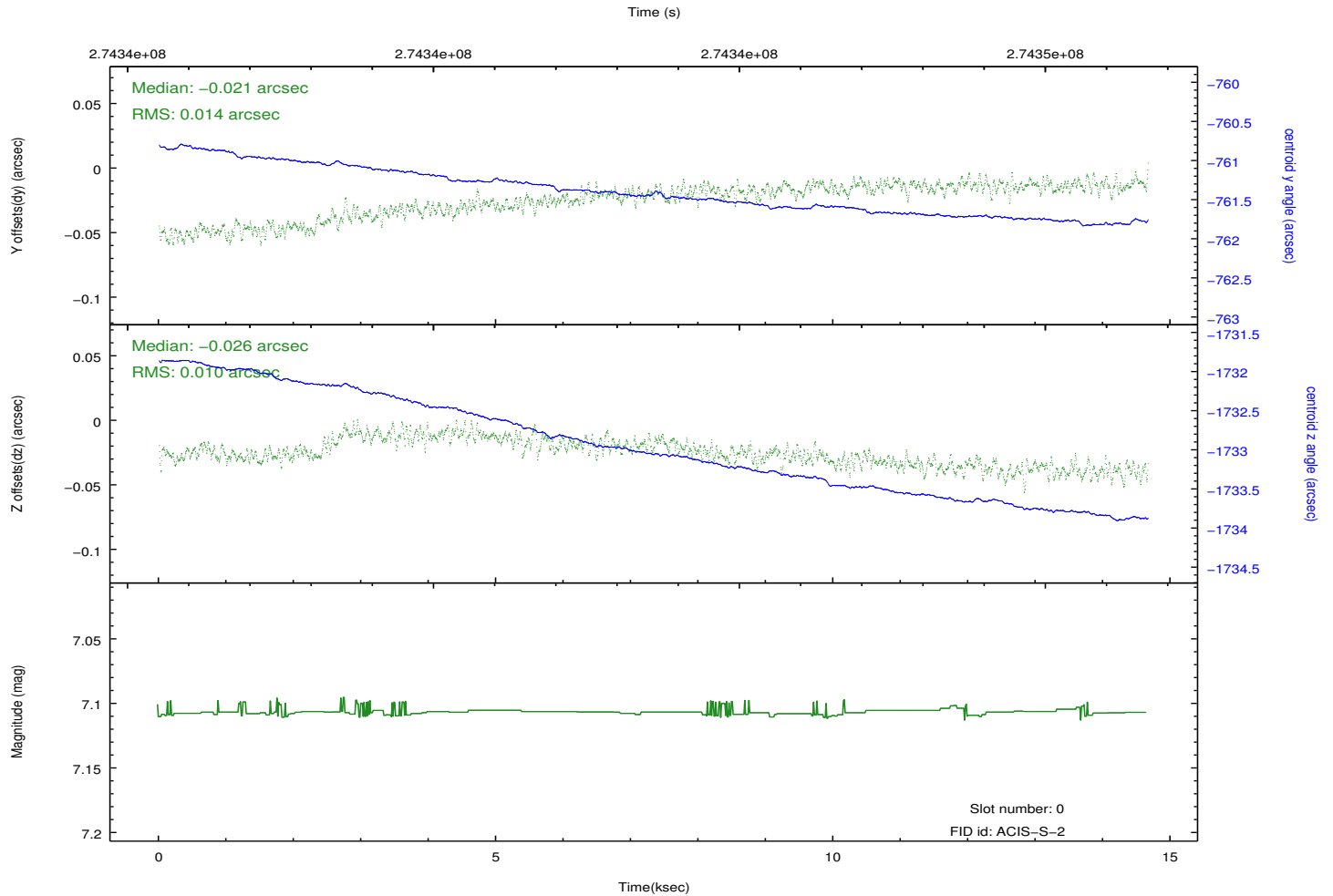
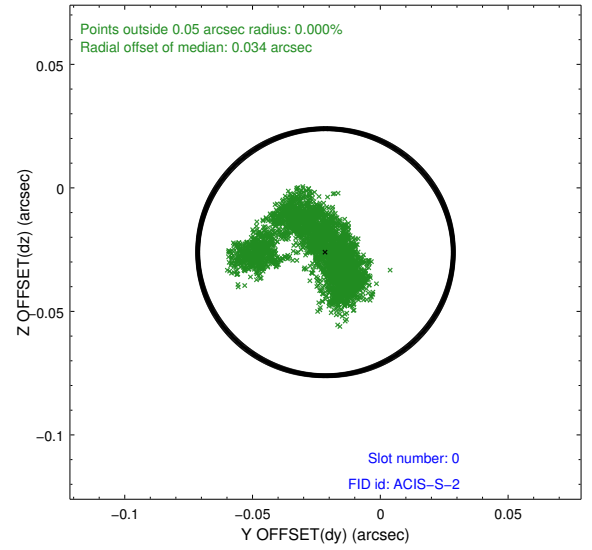
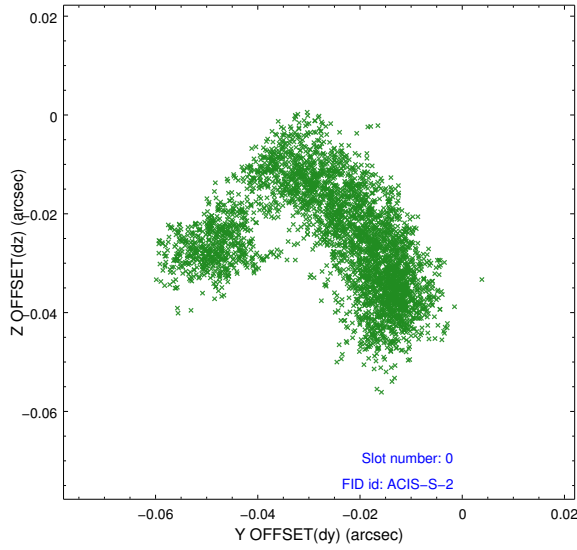


Time (s)

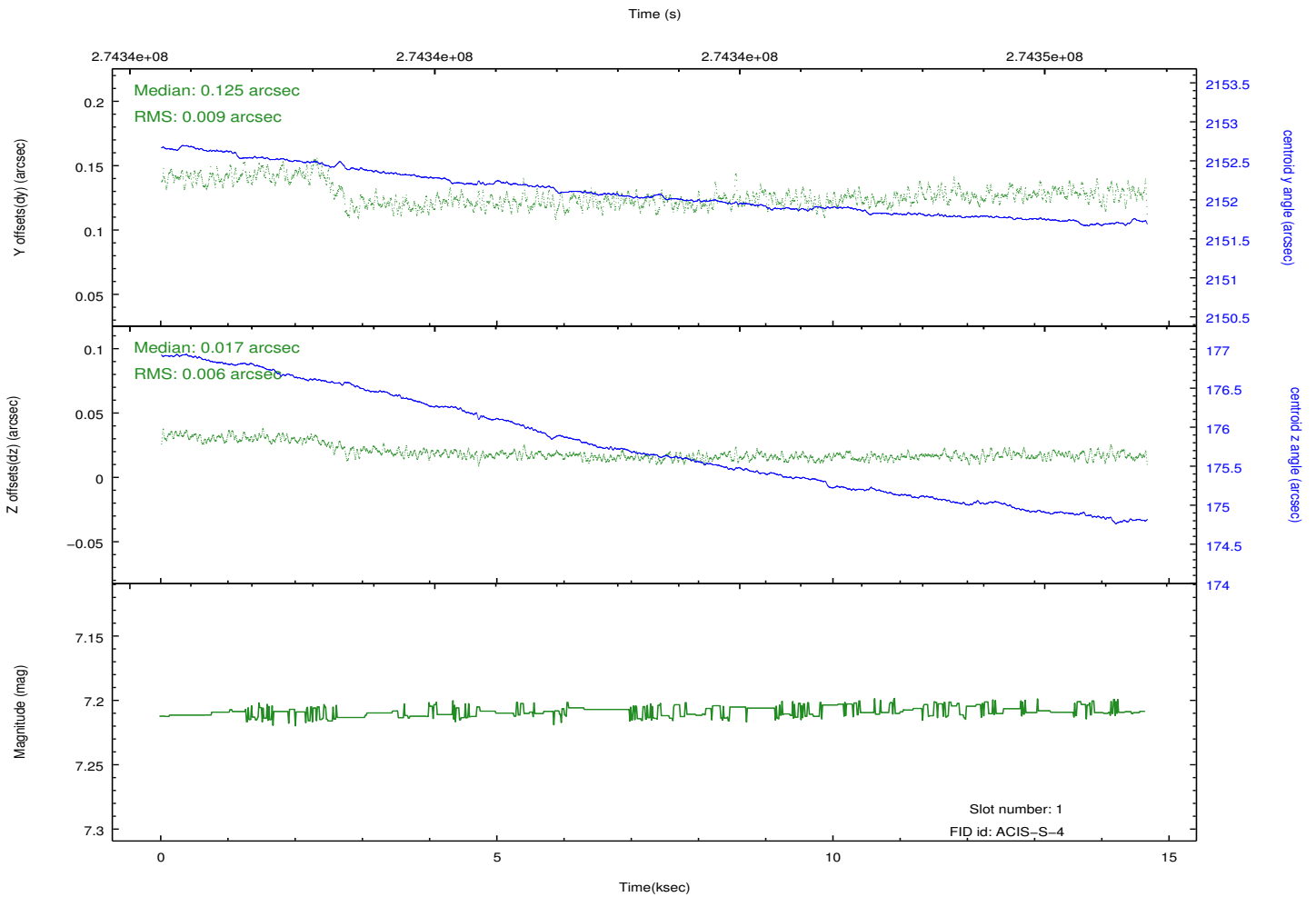
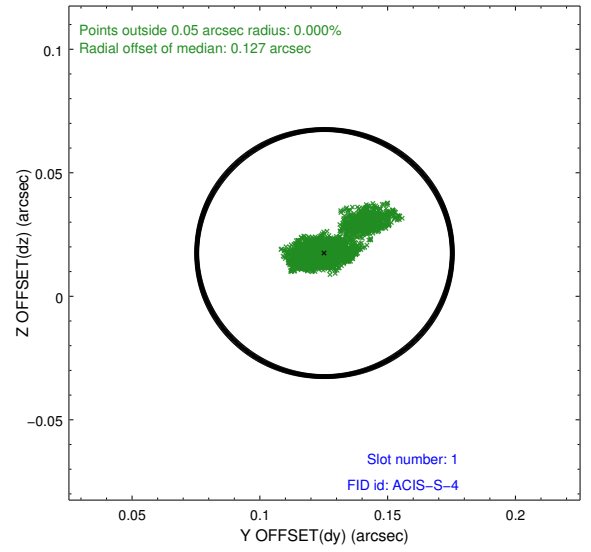
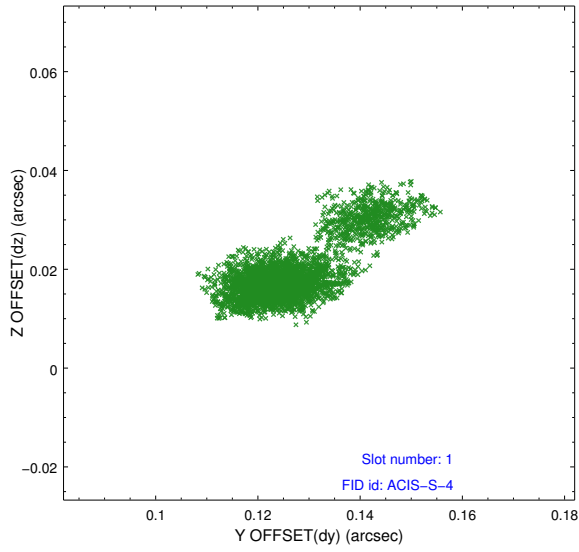


2.5 FID Slots

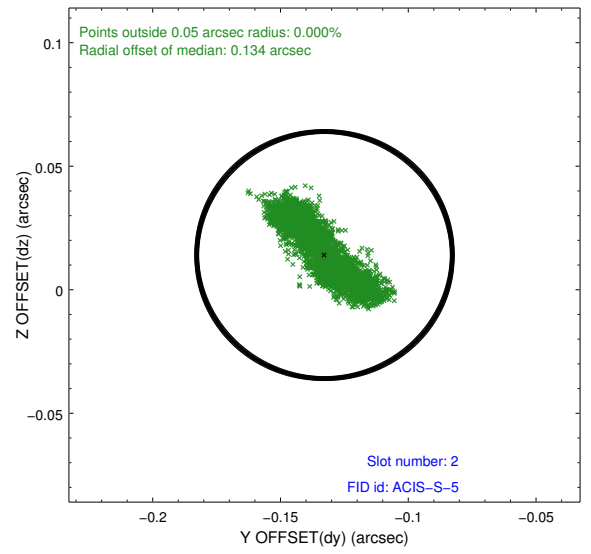
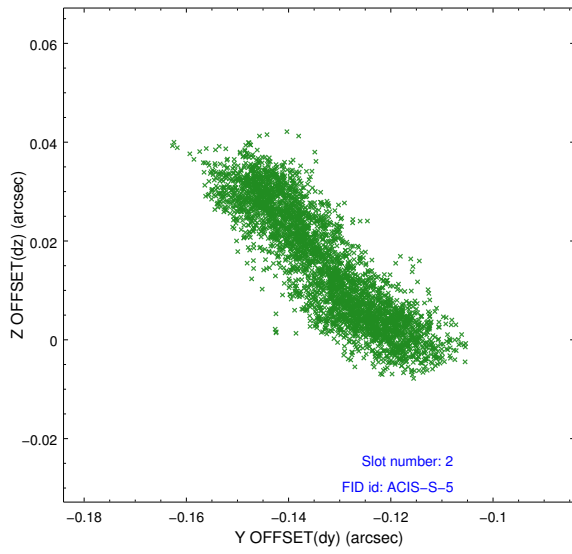
2.5.1 Slot 0



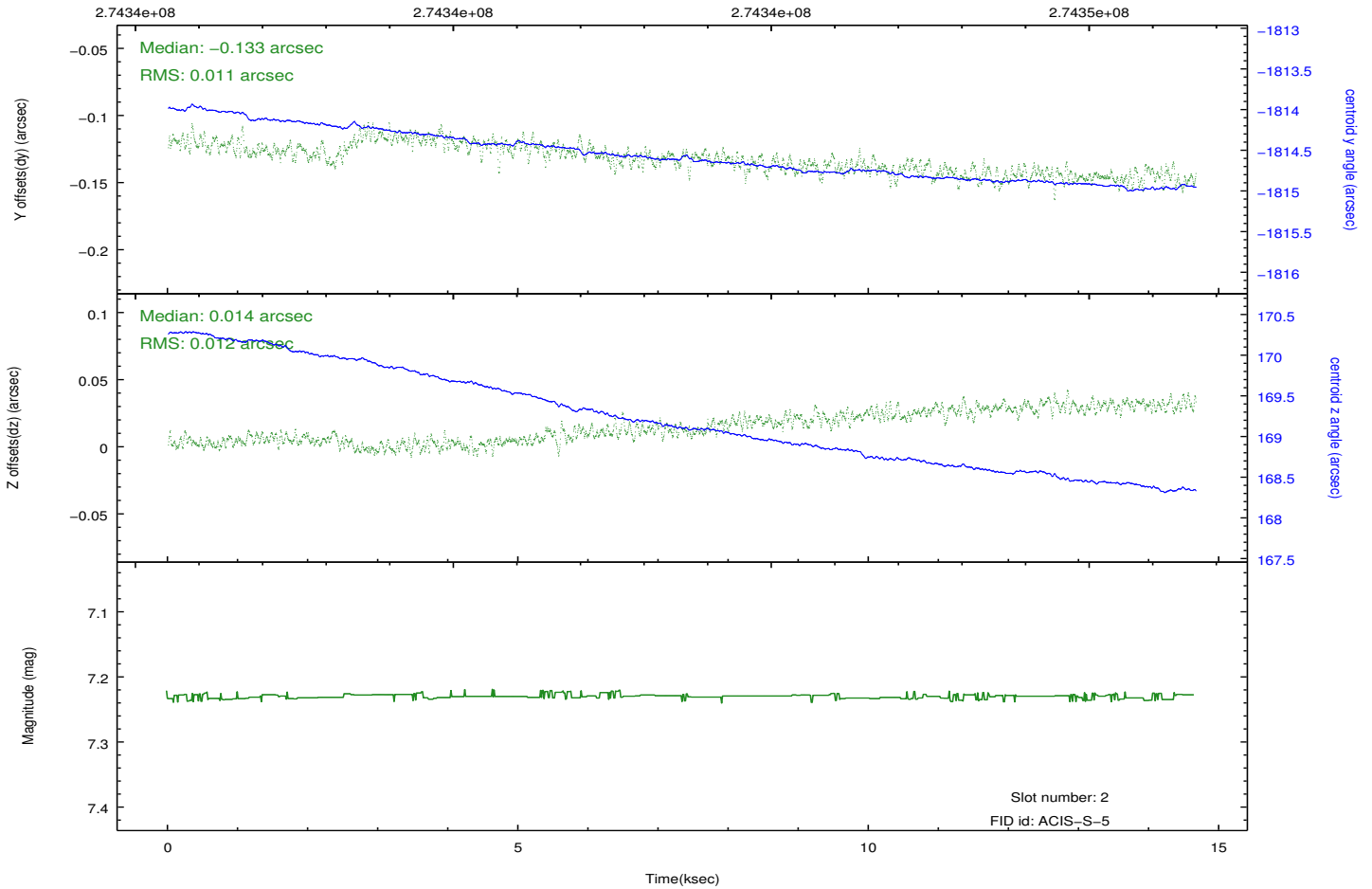
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.6559999

A.2 Comments