

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4053 - L2 Version 4
Chandra X-Ray Center

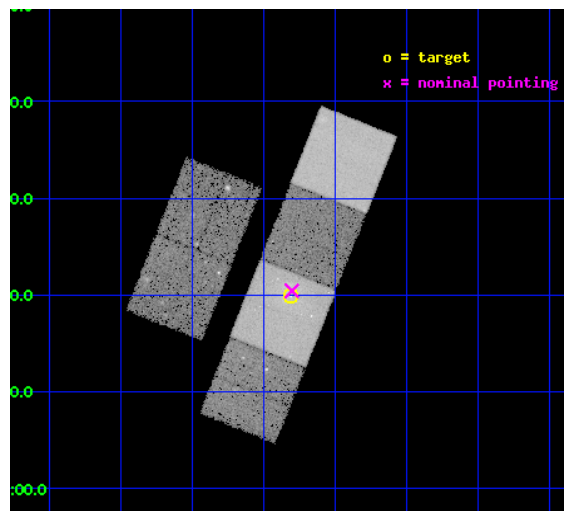
L2 Processing Date : Nov 2 2012

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

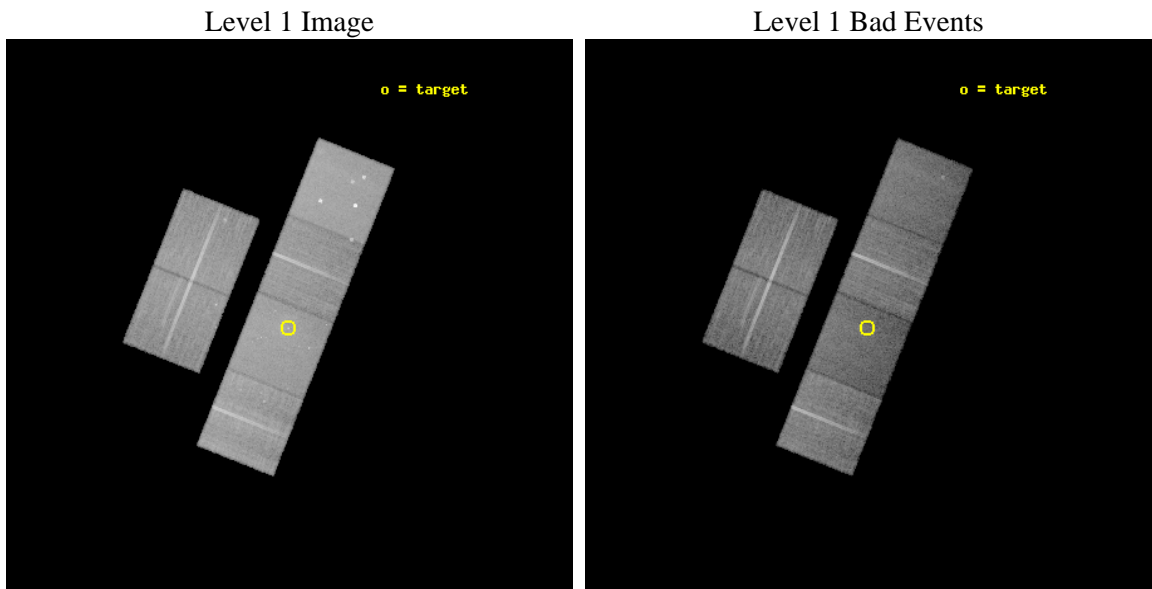
seq_num	700732	Sequence number
obs_id	4053	Observation id
title	CHANDRA IMAGING OF A COMPLETE SAMPLE OF LOW LUMINOSITY RADIO GALAXIES: JETS VS. DISKS IN THE BLACK HOLE PARADIGM	Proposal title
observer	Prof. Christopher O'Dea	Principal investigator
object	UGC 408	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	9.8275	Observer's specified target RA [deg]
dec_targ	3.331111	Observer's specified target Dec [deg]
ra_nom	9.8255157954528	Nominal RA [deg]
dec_nom	3.3405717240988	Nominal Dec [deg]
roll_nom	111.79381649952	Nominal Roll [deg]
revision	4	Processing version of data
ontime	29436.676939577	Sum of GTIs [s]
livetime	29063.932011529	Livetime [s]
ontime2	29433.435929328	Sum of GTIs [s]
ontime3	29420.471978217	Sum of GTIs [s]
ontime5	29439.917919785	Sum of GTIs [s]
ontime6	29423.712978572	Sum of GTIs [s]
ontime7	29436.676939577	Sum of GTIs [s]
ontime8	29426.954018623	Sum of GTIs [s]
l2events	260318	Number of level 2 events



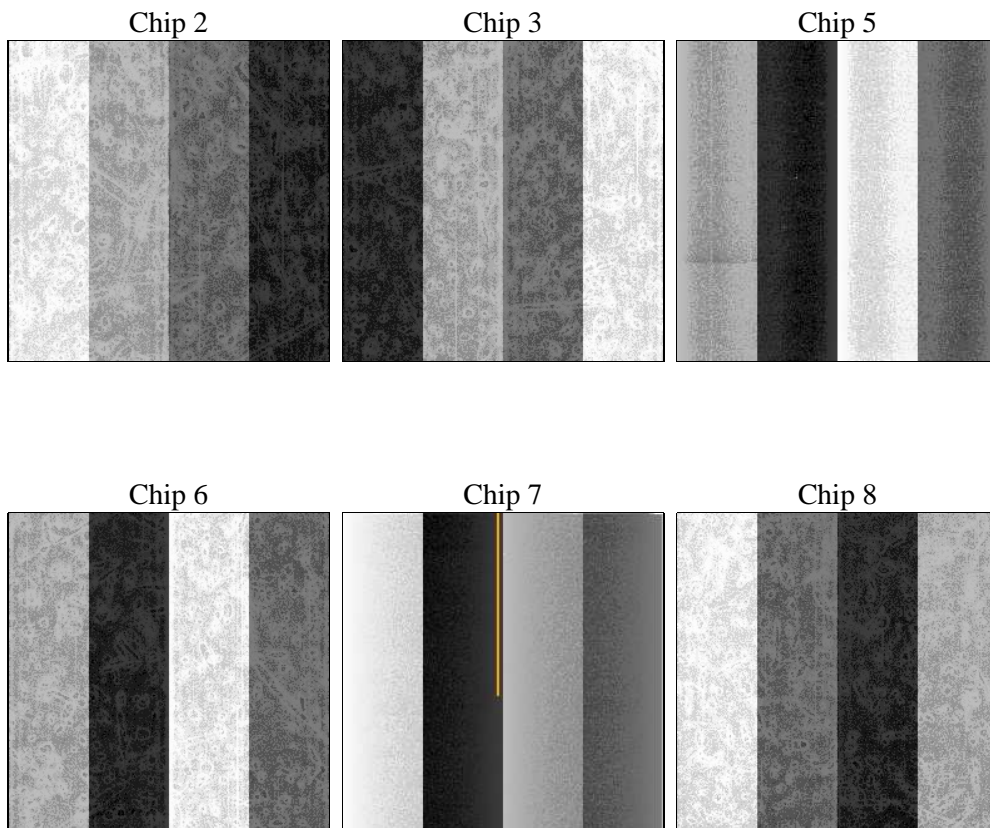
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29481.635000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29436.676939577	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	29433.435929328	Sum of GTIs [s]
date	2012-11-02T18:37:06	Date and time of file creation	ontime3	29420.471978217	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	29439.917919785	Sum of GTIs [s]
			ontime6	29423.712978572	Sum of GTIs [s]
			ontime7	29436.676939577	Sum of GTIs [s]
			ontime8	29426.954018623	Sum of GTIs [s]
			l1events	1071384	Number of level 1 events

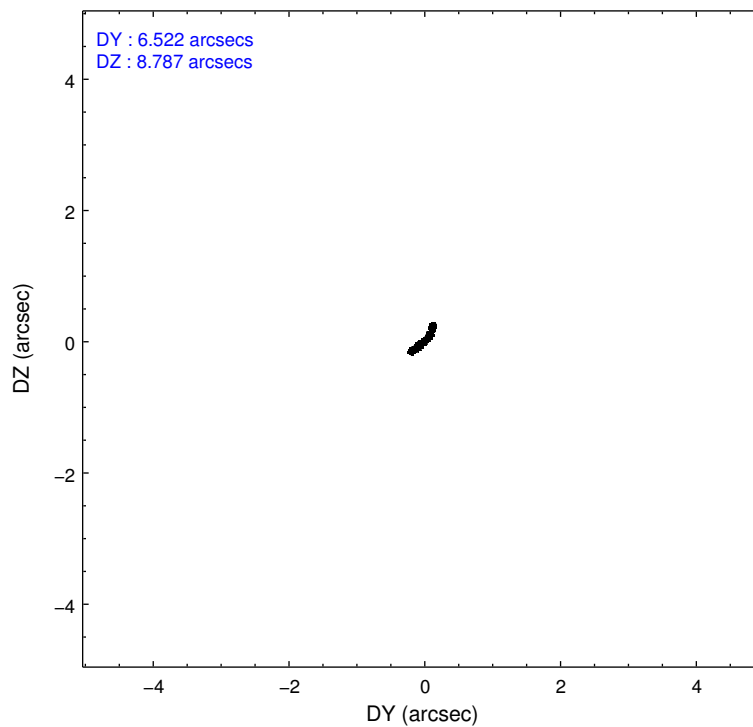
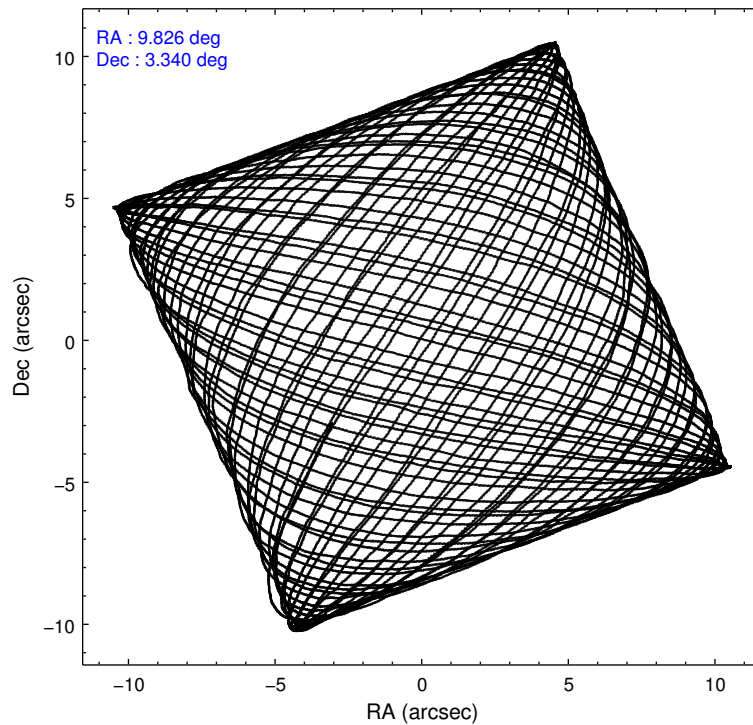
2.1.4 Events

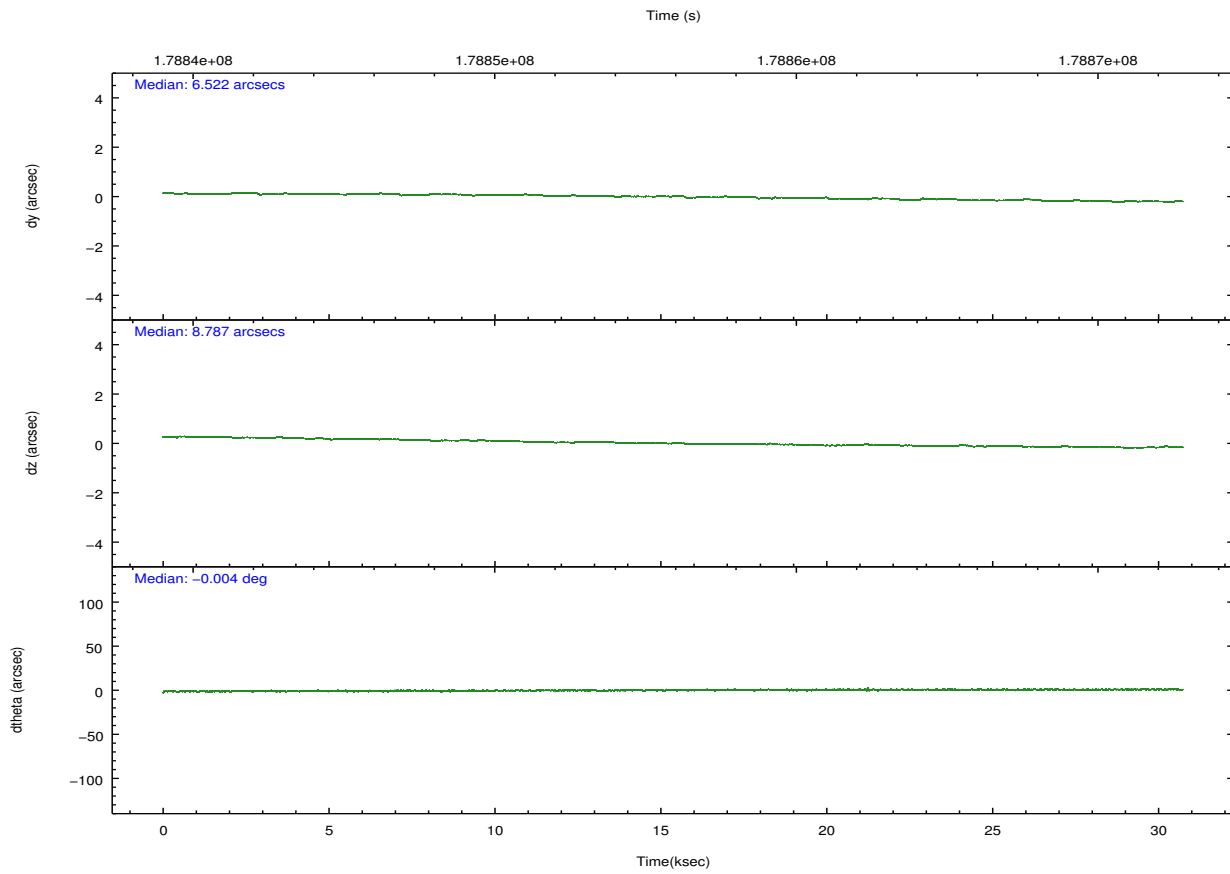
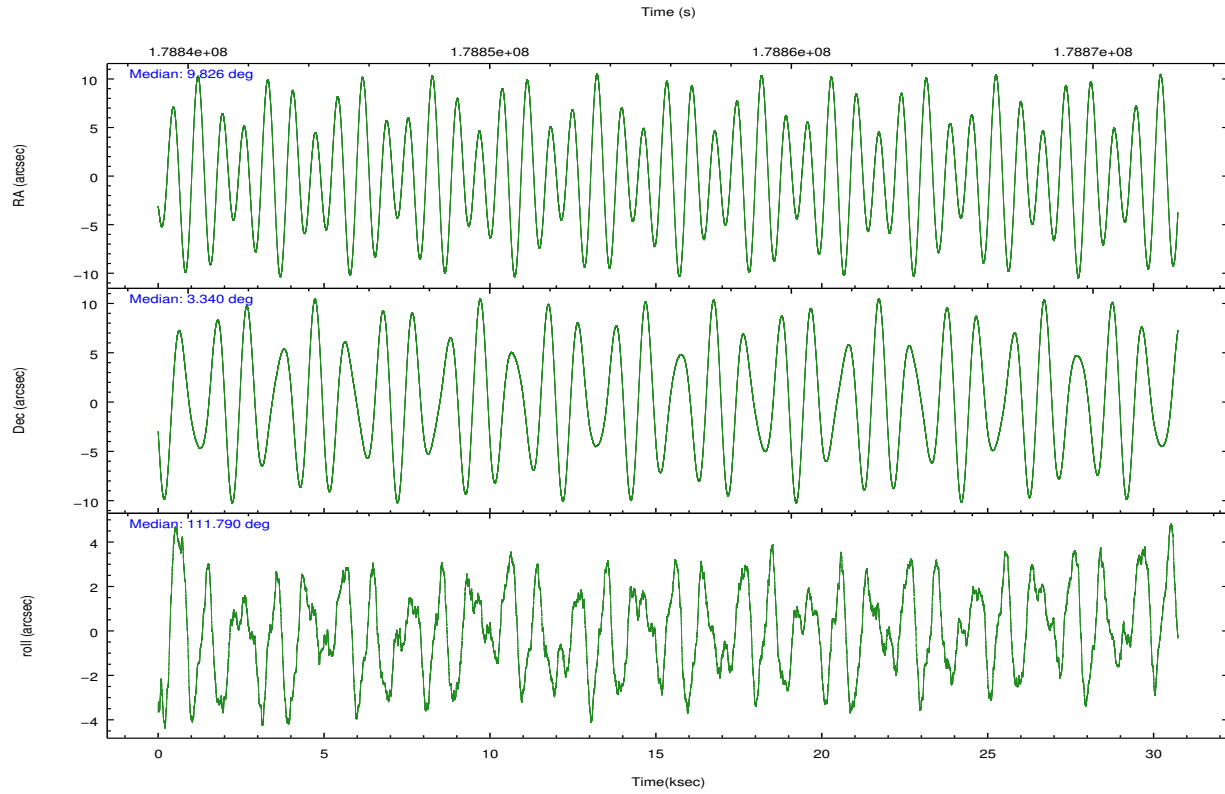
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	162379	149415	225150	153524	185335	195581	grade 0 events	6962	6599	22718	6942	10741	14761
rejected events	145611	133506	102790	136201	90540	150563		4%	4%	10%	4%	5%	7%
rejected %	89%	89%	45%	88%	48%	76%	grade 1 events	89	73	496	65	119	109
								0%	0%	0%	0%	0%	0%
							grade 2 events	3630	3028	31988	3540	19111	9859
								2%	2%	14%	2%	10%	5%
							grade 3 events	1616	1768	5603	1816	9105	4526
								0%	1%	2%	1%	4%	2%
							grade 4 events	1790	1731	5473	1717	8867	4237
								1%	1%	2%	1%	4%	2%
							grade 5 events	5156	5774	16726	6070	17867	8537
								3%	3%	7%	3%	9%	4%
							grade 6 events	2775	2787	56590	3310	46981	11639
								1%	1%	25%	2%	25%	5%
							grade 7 events	140361	127655	85556	130064	72544	141913
								86%	85%	37%	84%	39%	72%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	9.847201	9.825515795452835	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.324026	3.340571724098798	Alternating exposures requested	N	N
[deg] Pointing Roll	111.635922	111.7938164995176	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	178841796.184000	178840302.63386			
Observation start date	2003-09-01T22:15:32	2003-09-01T21:51:42			
[s] Observation end time (MET)	178871277.184000	178871592.2977			
Observation end date	2003-09-02T06:26:53	2003-09-02T06:33:12			
Read mode	TIMED	TIMED			

2.3 Aspect



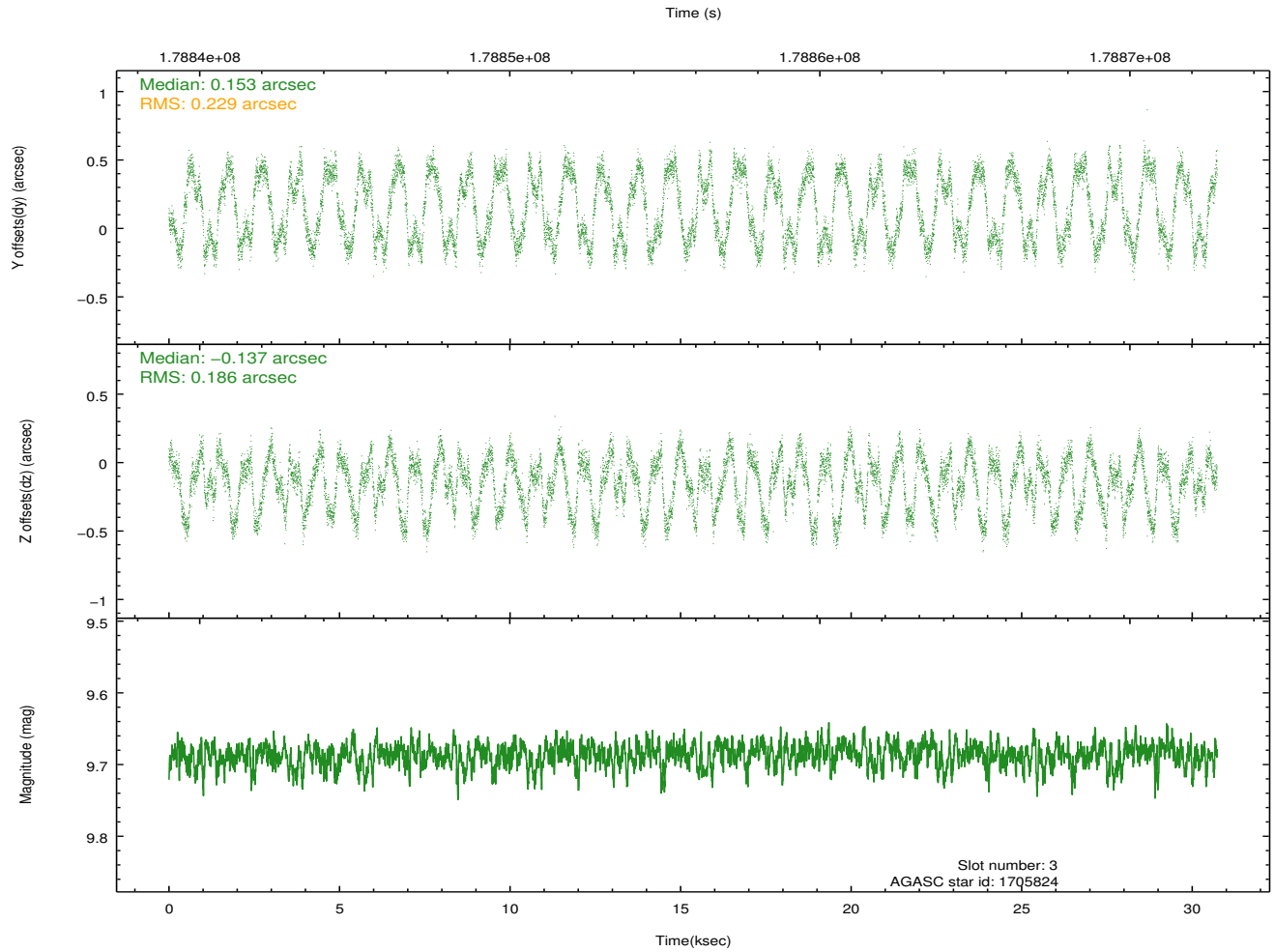
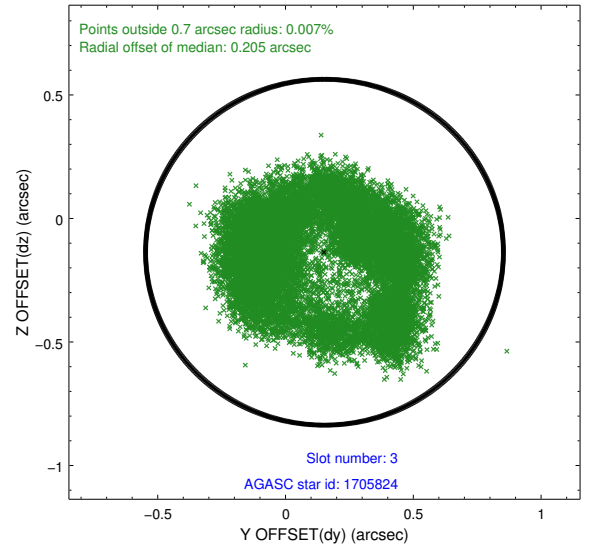
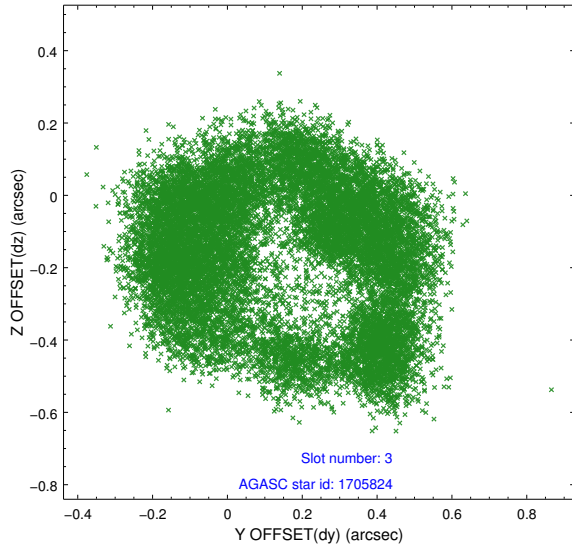


Slot Statistics

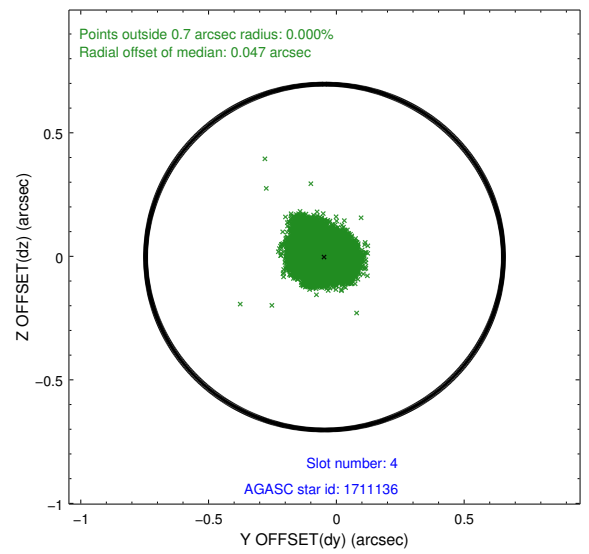
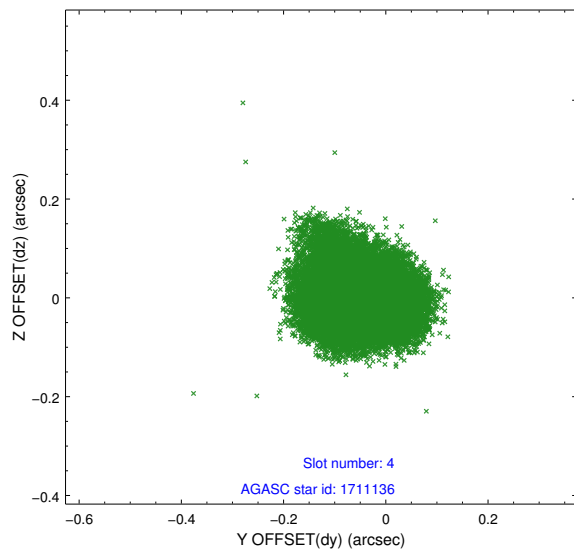
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7487	-0.036	-0.040	0.007	0.011	0.000000	0.000000	-759.28	-1730.06
1	FID	ACIS-S-4	7.20	7485	0.062	0.028	0.006	0.011	0.000000	0.000000	2154.07	178.41
2	FID	ACIS-S-5	7.23	7485	-0.056	0.021	0.007	0.011	0.000000	0.000000	-1812.05	172.17
3	GUIDE	1705824	9.69	14969	0.153	-0.137	0.326	0.428	9.875251	2.713966	-2078.19	715.93
4	GUIDE	1711136	7.48	14978	-0.046	-0.003	0.096	0.138	9.945606	3.652670	969.74	-764.71
5	GUIDE	1836648	8.68	14972	0.072	0.049	0.113	0.162	10.519756	2.934463	-2193.92	-1730.83
6	GUIDE	1839128	7.83	14981	-0.115	0.038	0.095	0.134	10.338728	3.599397	271.03	-2007.13
7	GUIDE	1840280	9.78	14971	-0.057	0.072	0.122	0.197	10.096533	3.874641	1513.00	-1563.39

2.4 Star Slots

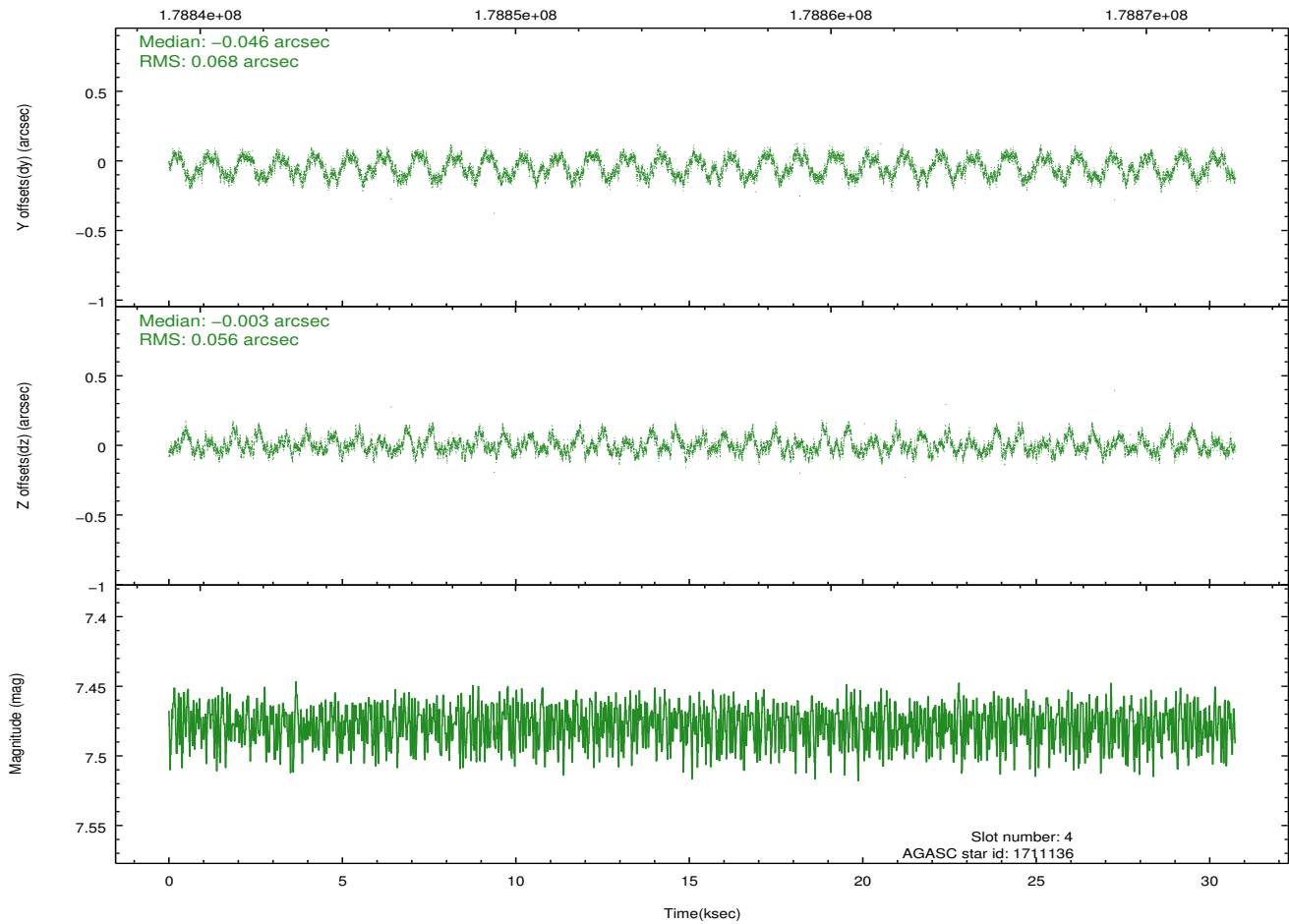
2.4.1 Slot 3



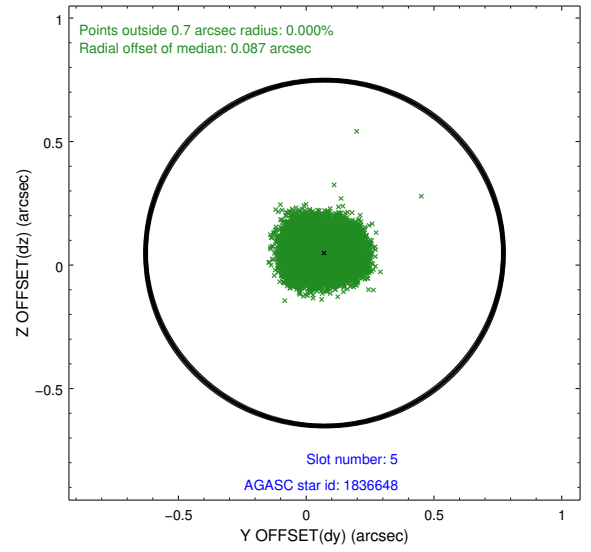
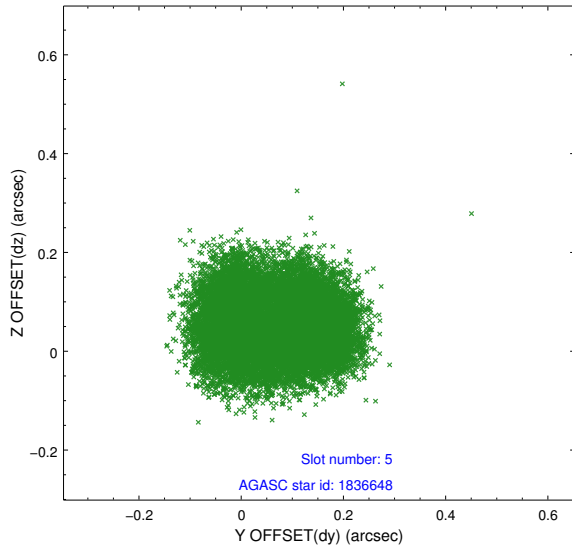
2.4.2 Slot 4



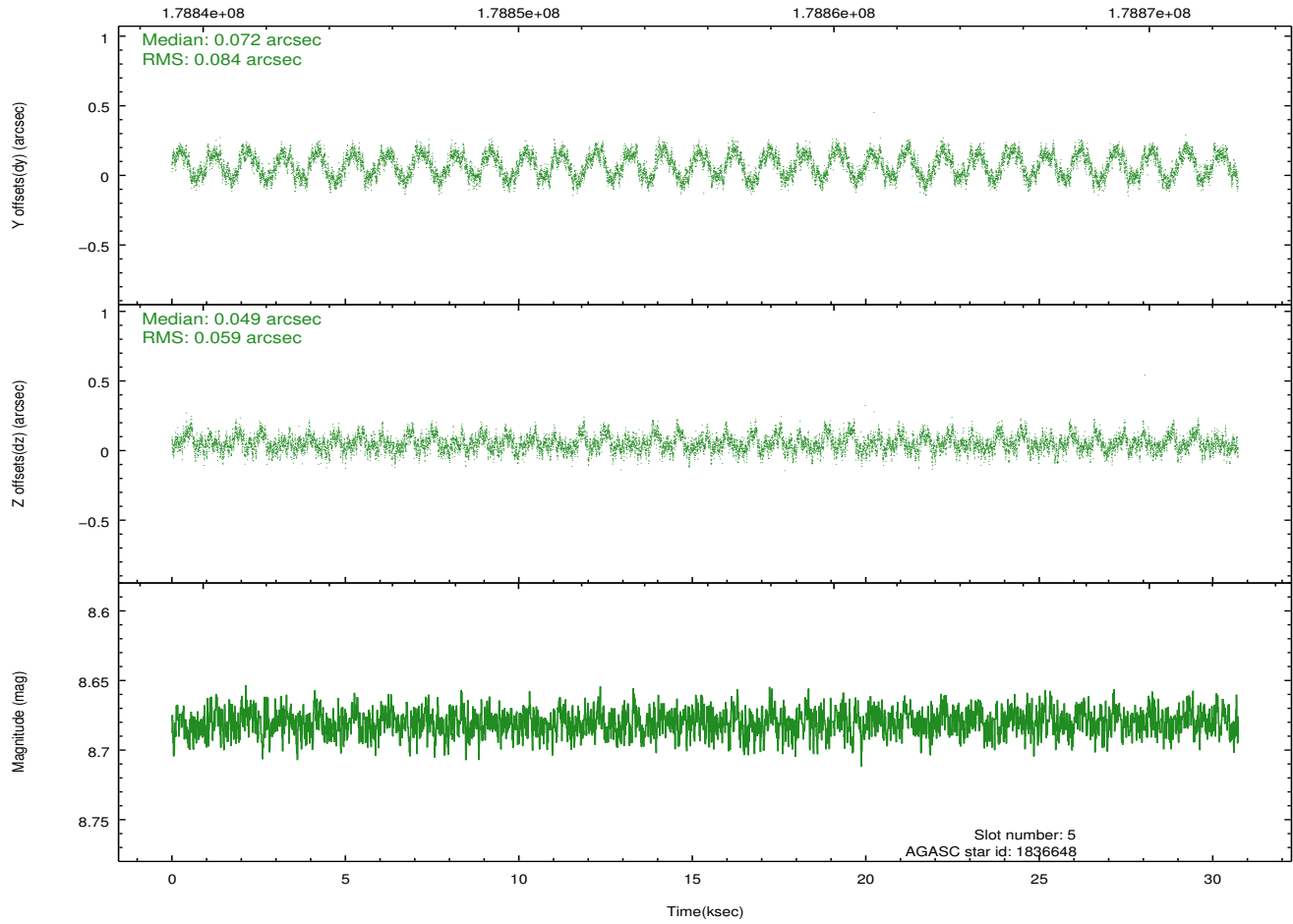
Time (s)



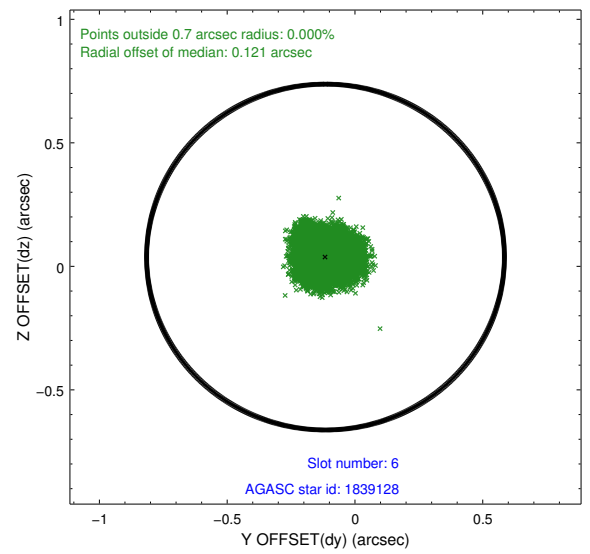
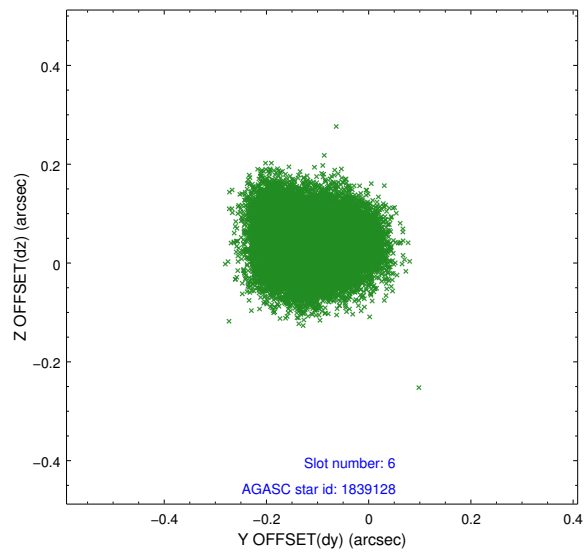
2.4.3 Slot 5



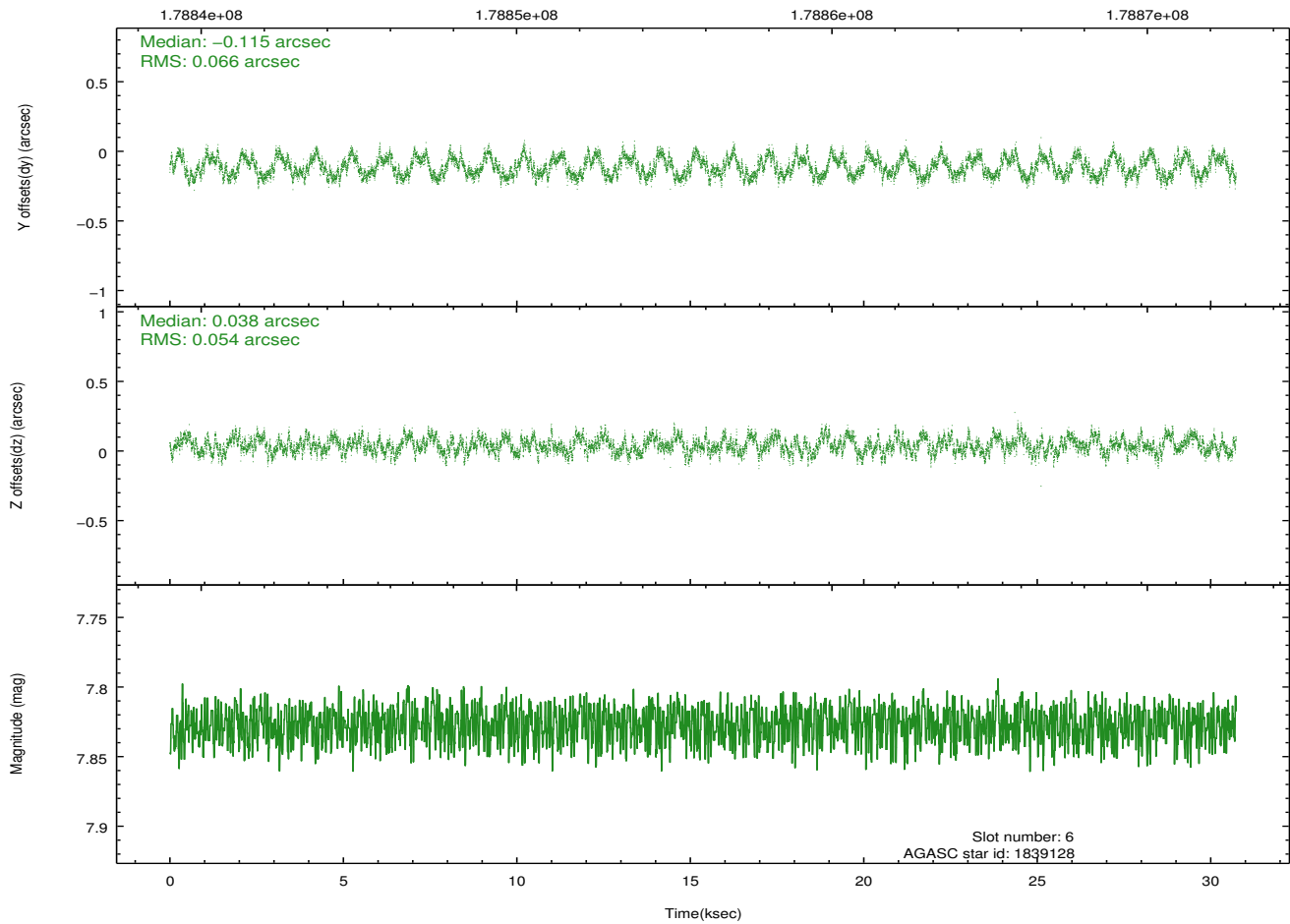
Time (s)



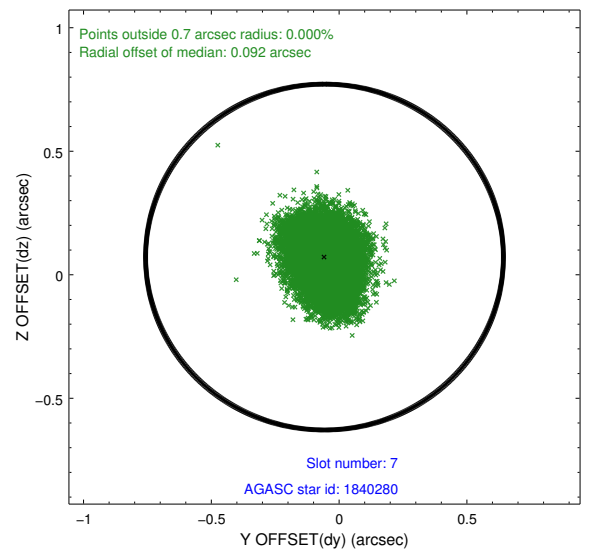
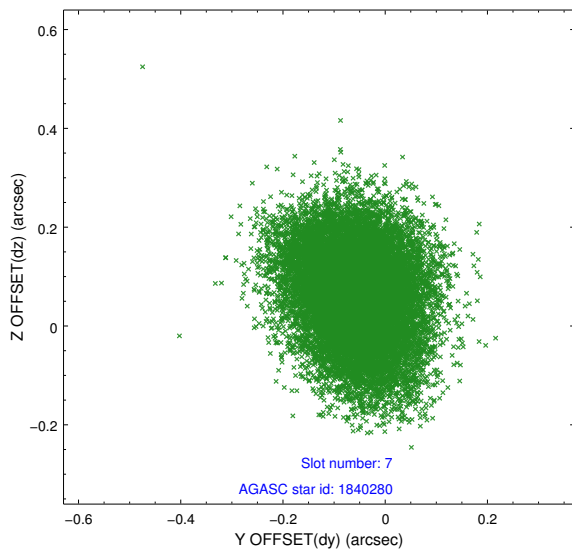
2.4.4 Slot 6



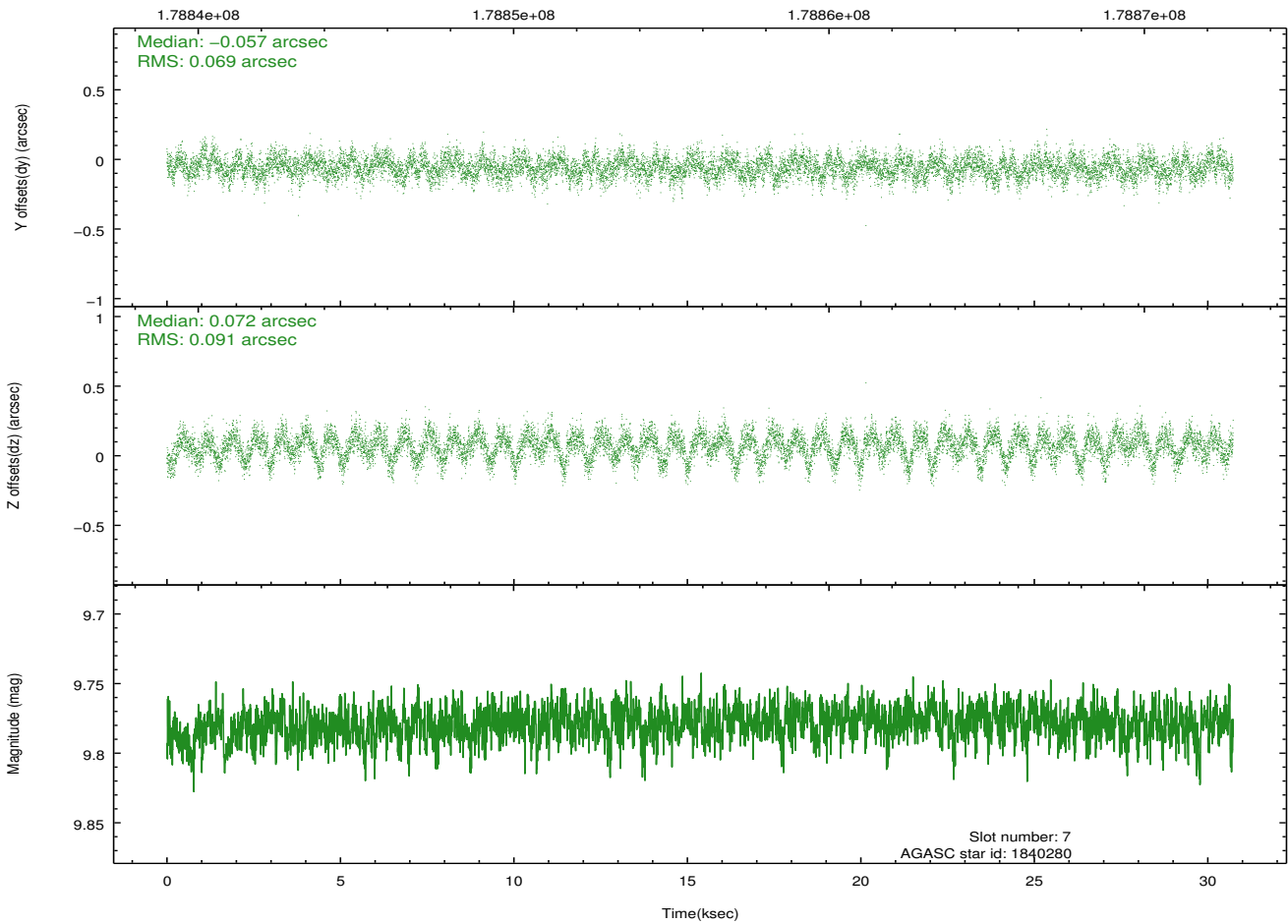
Time (s)



2.4.5 Slot 7

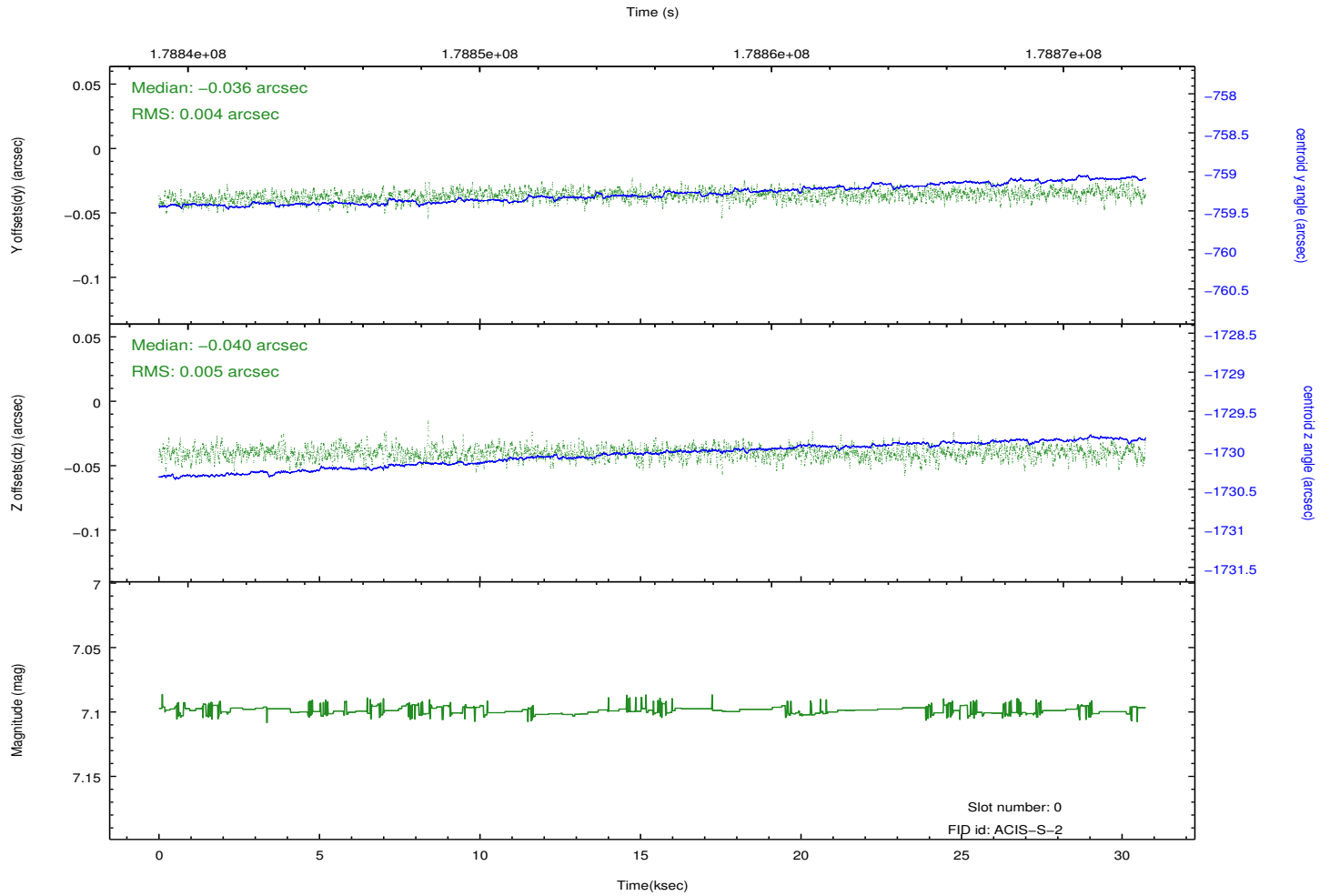
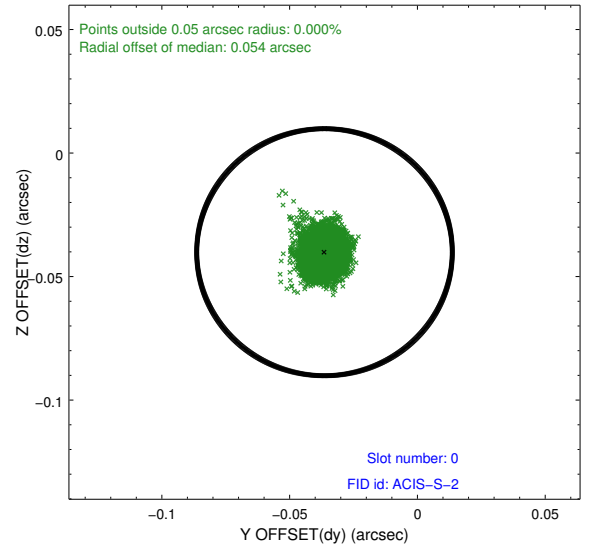
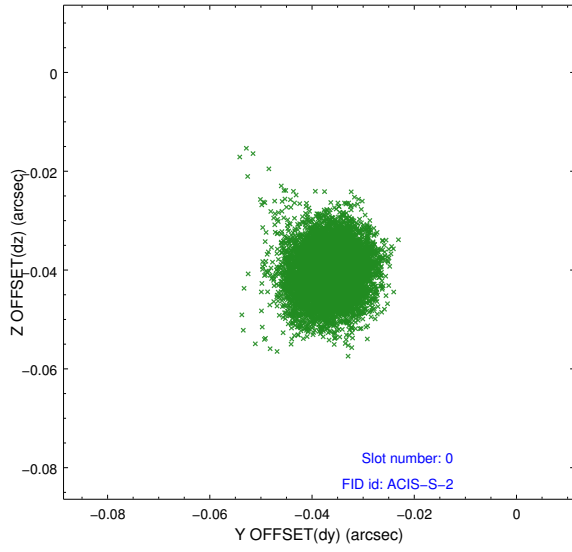


Time (s)

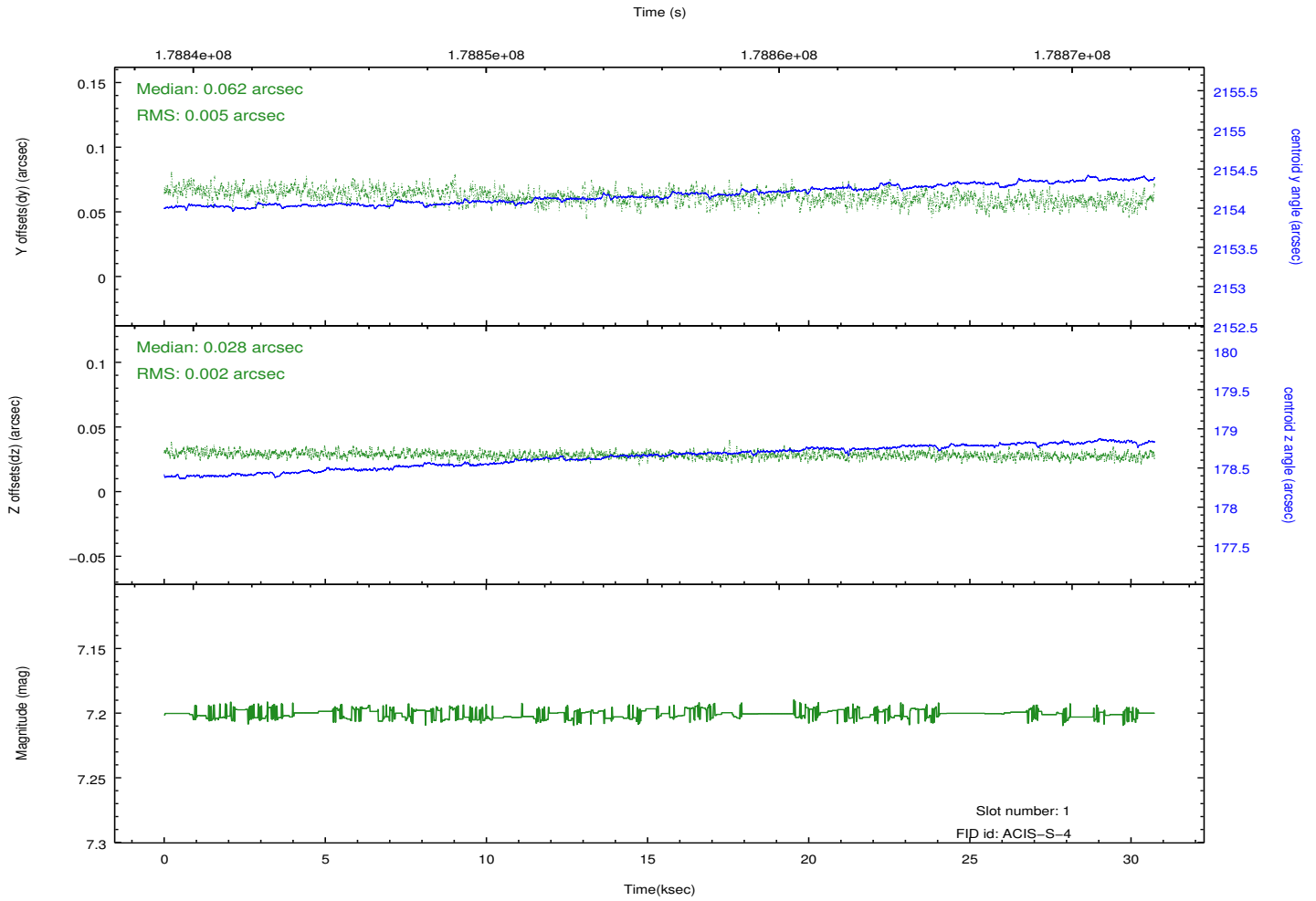
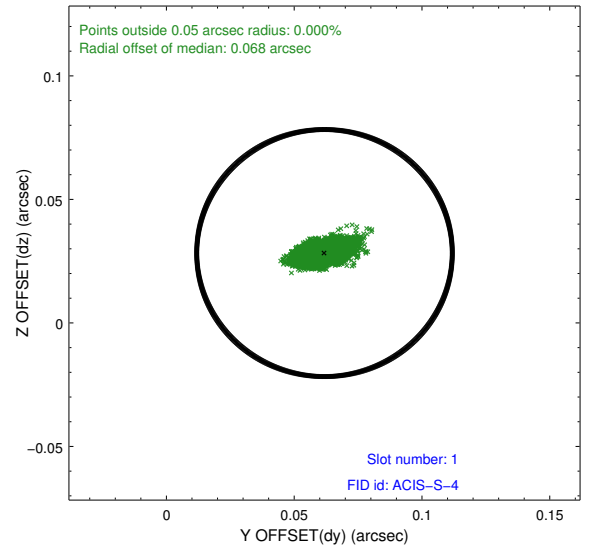
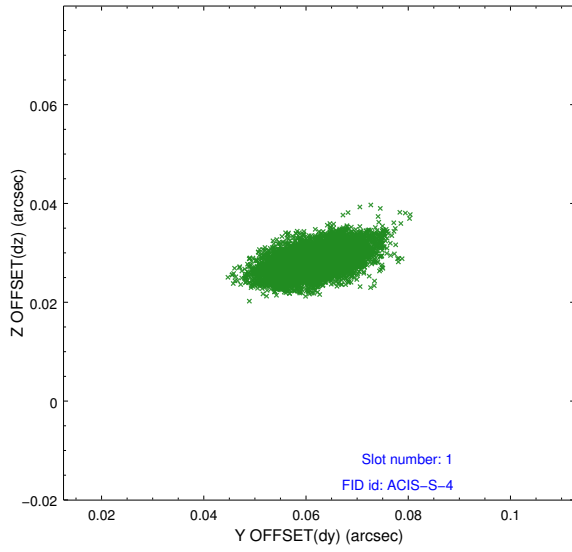


2.5 FID Slots

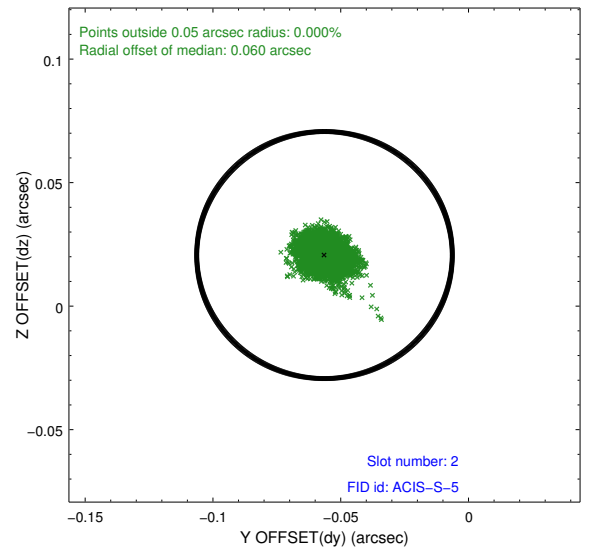
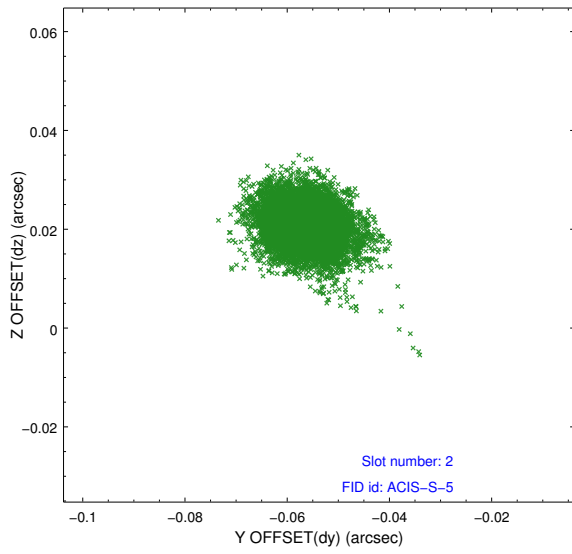
2.5.1 Slot 0



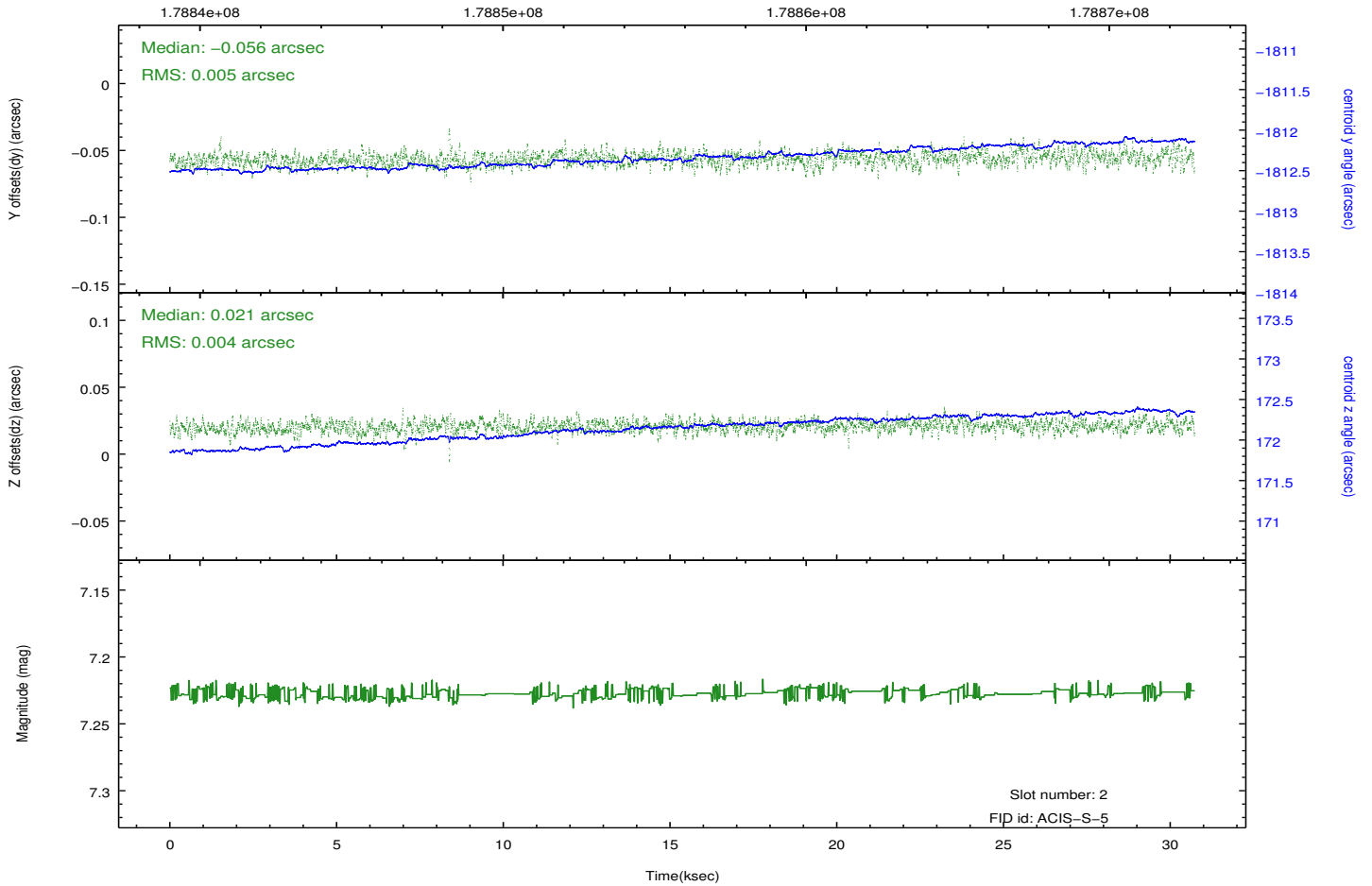
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.439

A.2 Comments