

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6674 - L2 Version 2
Chandra X-Ray Center

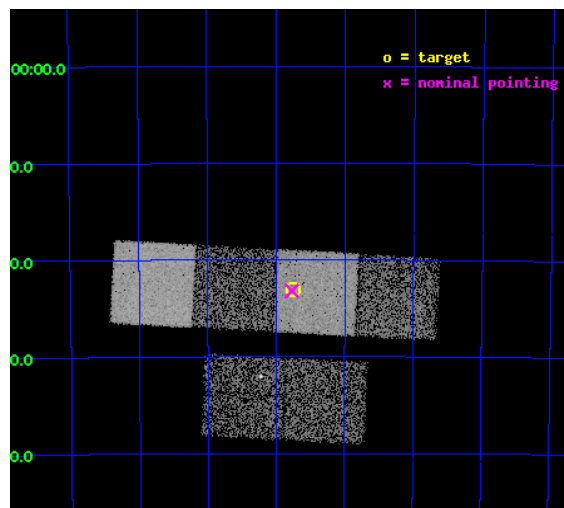
L2 Processing Date : Mar 30 2012

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1 Front

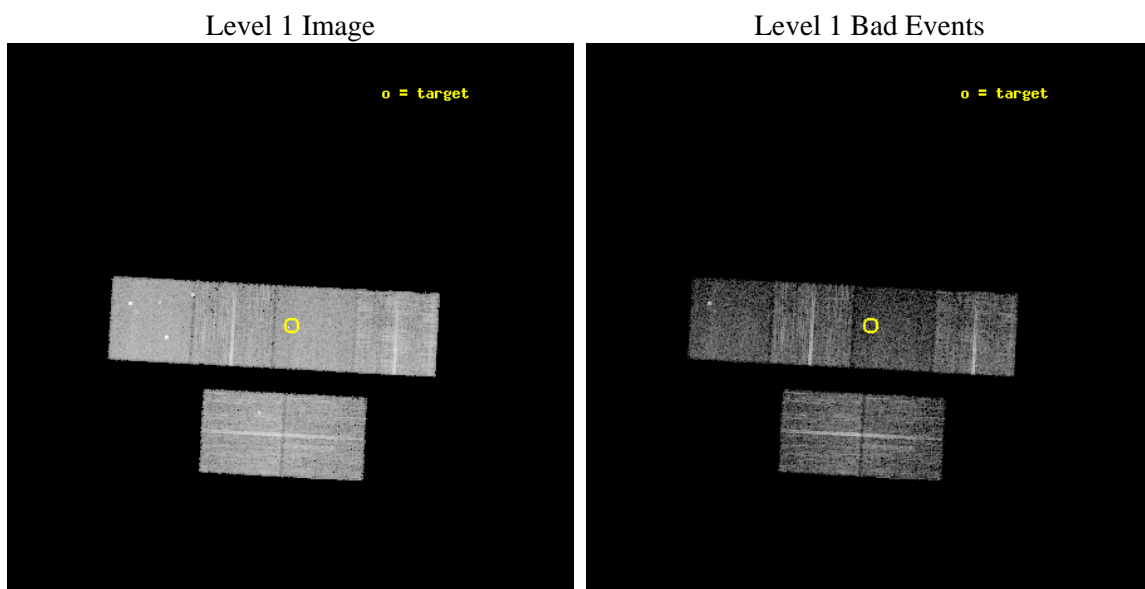
seq_num	500628	Sequence number
obs_id	6674	Observation id
title	Astrometric and spectral study of two new isolated neutron star candidates	Proposal title
observer	Dr Christian Motch	Principal investigator
object	XMMU J140145-612306	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.44	Observer's specified target RA [deg]
dec_targ	-61.38525	Observer's specified target Dec [deg]
ra_nom	210.44277217405	Nominal RA [deg]
dec_nom	-61.386792298203	Nominal Dec [deg]
roll_nom	3.0116498556678	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6118.3999772072	Sum of GTIs [s]
livetime	6040.9251126376	Livetime [s]
ontime2	6118.3999772072	Sum of GTIs [s]
ontime3	6118.3999772072	Sum of GTIs [s]
ontime5	6118.3999772072	Sum of GTIs [s]
ontime6	6118.3999772072	Sum of GTIs [s]
ontime7	6118.3999772072	Sum of GTIs [s]
ontime8	6118.3999772072	Sum of GTIs [s]
l2events	60754	Number of level 2 events



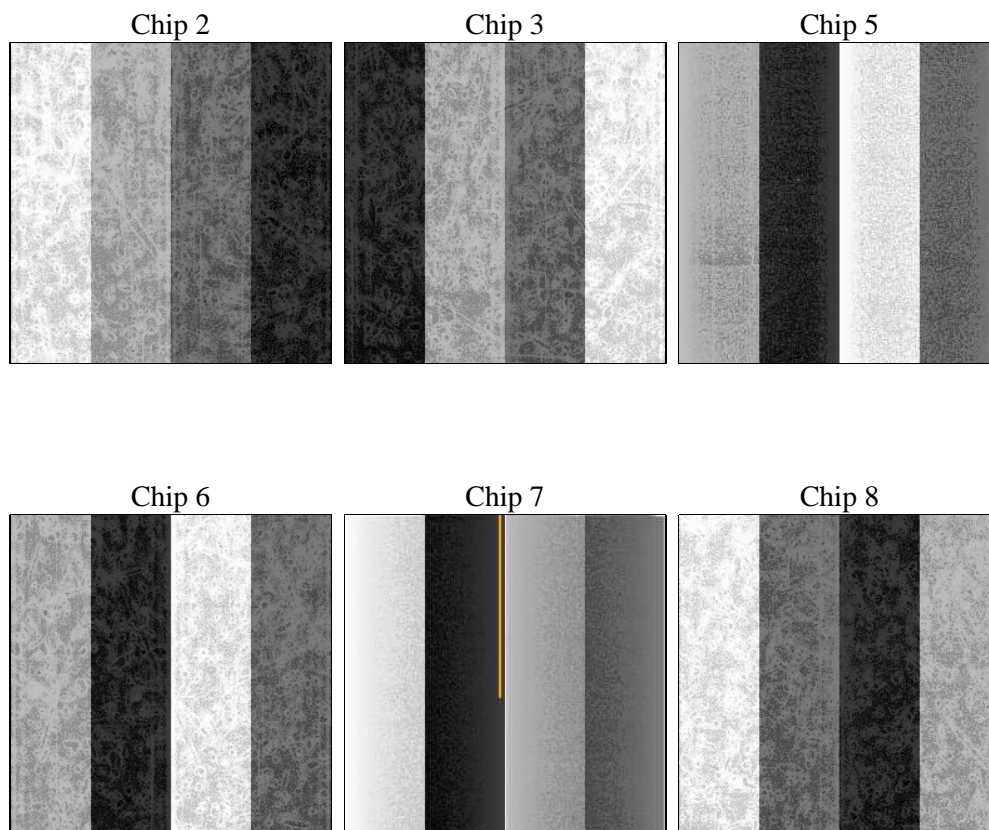
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	6118.3999772072	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	6118.3999772072	Sum of GTIs [s]
date	2012-03-30T06:22:40	Date and time of file creation	ontime3	6118.3999772072	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	6118.3999772072	Sum of GTIs [s]
			ontime6	6118.3999772072	Sum of GTIs [s]
			ontime7	6118.3999772072	Sum of GTIs [s]
			ontime8	6118.3999772072	Sum of GTIs [s]
			l1events	284496	Number of level 1 events

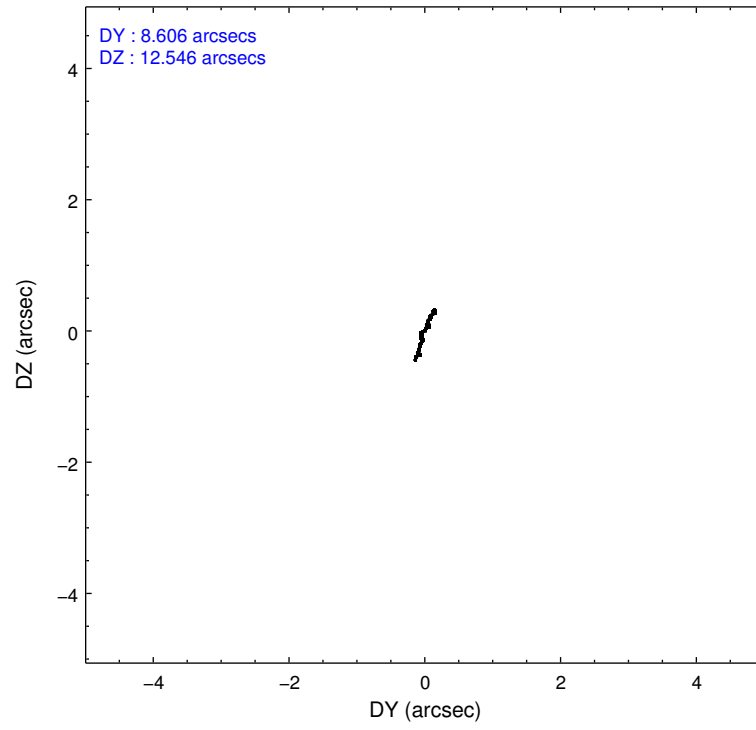
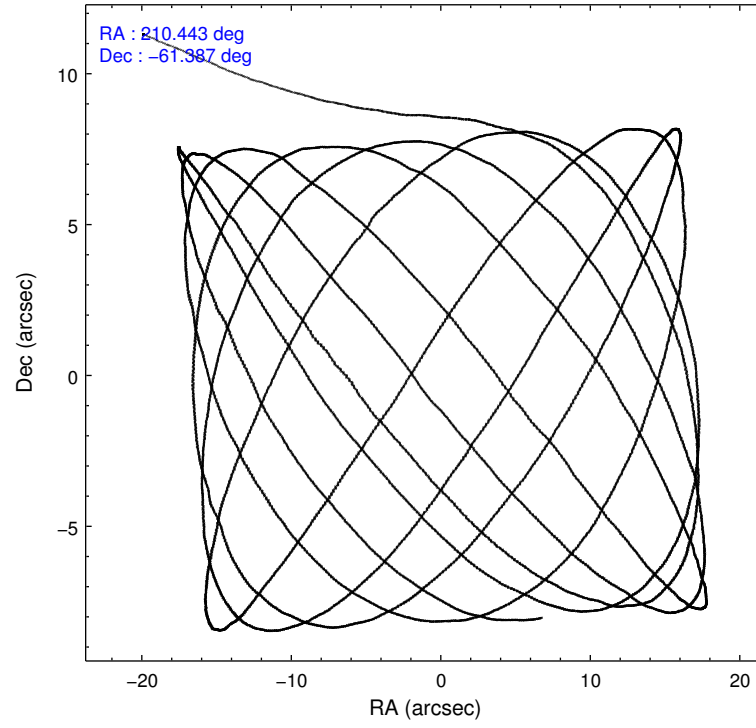
2.1.4 Events

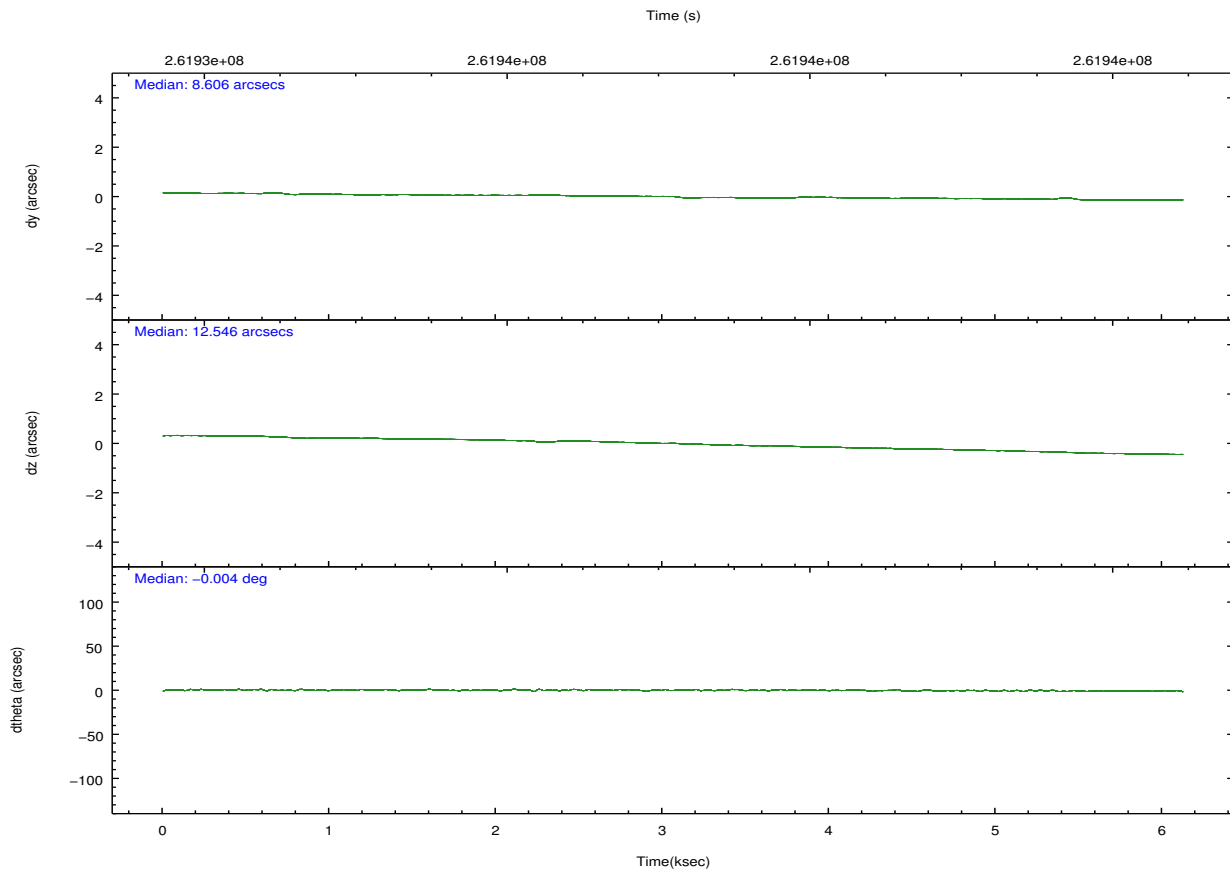
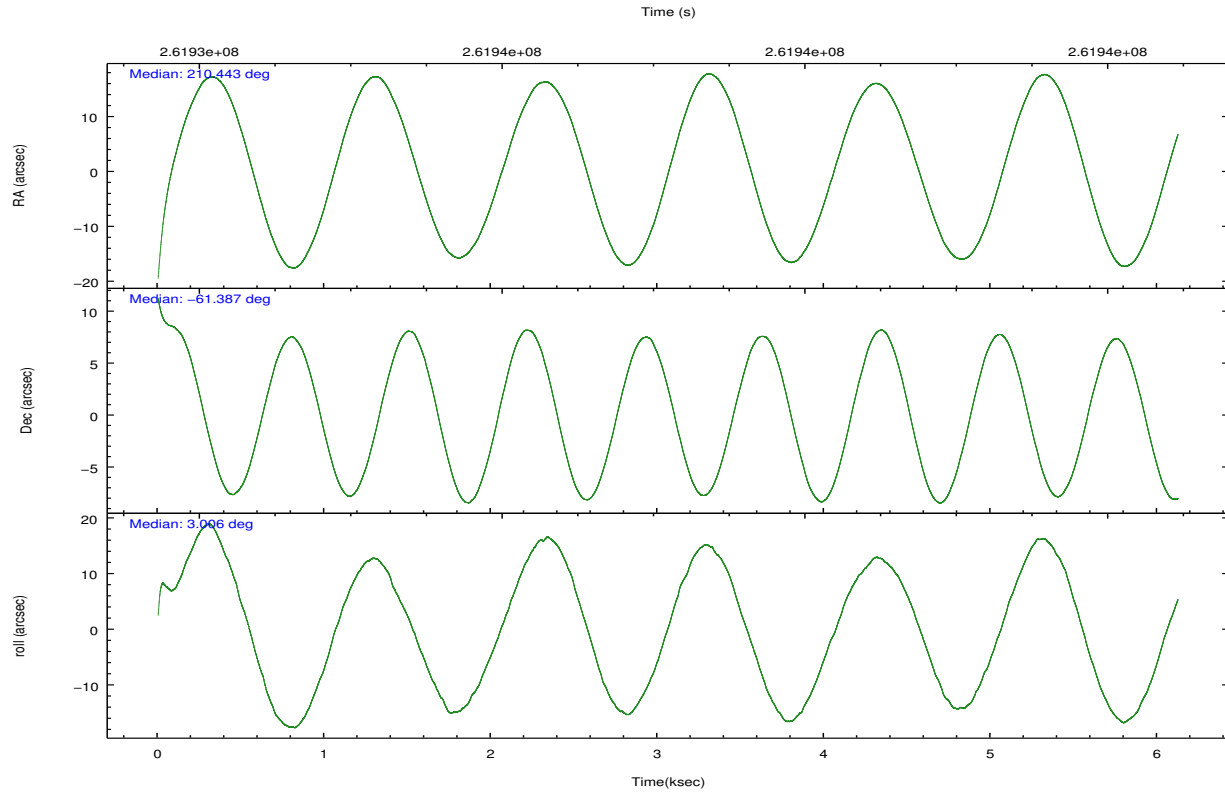
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	48386	40926	55403	43900	41877	54004	grade 0 events	2003	1531	3830	1808	2068	3866
rejected events	43723	37026	26705	39344	21714	40905		4%	3%	6%	4%	4%	7%
rejected %	90%	90%	48%	89%	51%	75%	grade 1 events	29	31	288	17	47	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	1100	864	8802	996	4552	3160
								2%	2%	15%	2%	10%	5%
							grade 3 events	489	445	1425	503	1982	1405
								1%	1%	2%	1%	4%	2%
							grade 4 events	481	465	1364	484	2017	1388
								0%	1%	2%	1%	4%	2%
							grade 5 events	1200	1396	4648	1508	4543	2181
								2%	3%	8%	3%	10%	4%
							grade 6 events	710	693	14152	885	10146	3645
								1%	1%	25%	2%	24%	6%
							grade 7 events	42374	35501	20894	37699	16522	38315
								87%	86%	37%	85%	39%	70%

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	210.395486	210.4427721740503	Subarray requested	NONE	NONE
[deg] Pointing Dec	-61.402000	-61.38679229820305	Alternating exposures requested	N	N
[deg] Pointing Roll	2.813479	3.011649855667807	[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)	261934162.184000	261933037.85608			
Observation start date	2006-04-20T15:28:17	2006-04-20T15:10:37			
[s] Observation end time (MET)	261940162.184000	261941093.33146			
Observation end date	2006-04-20T17:08:17	2006-04-20T17:24:53			
Read mode	TIMED	TIMED			

2.3 Aspect



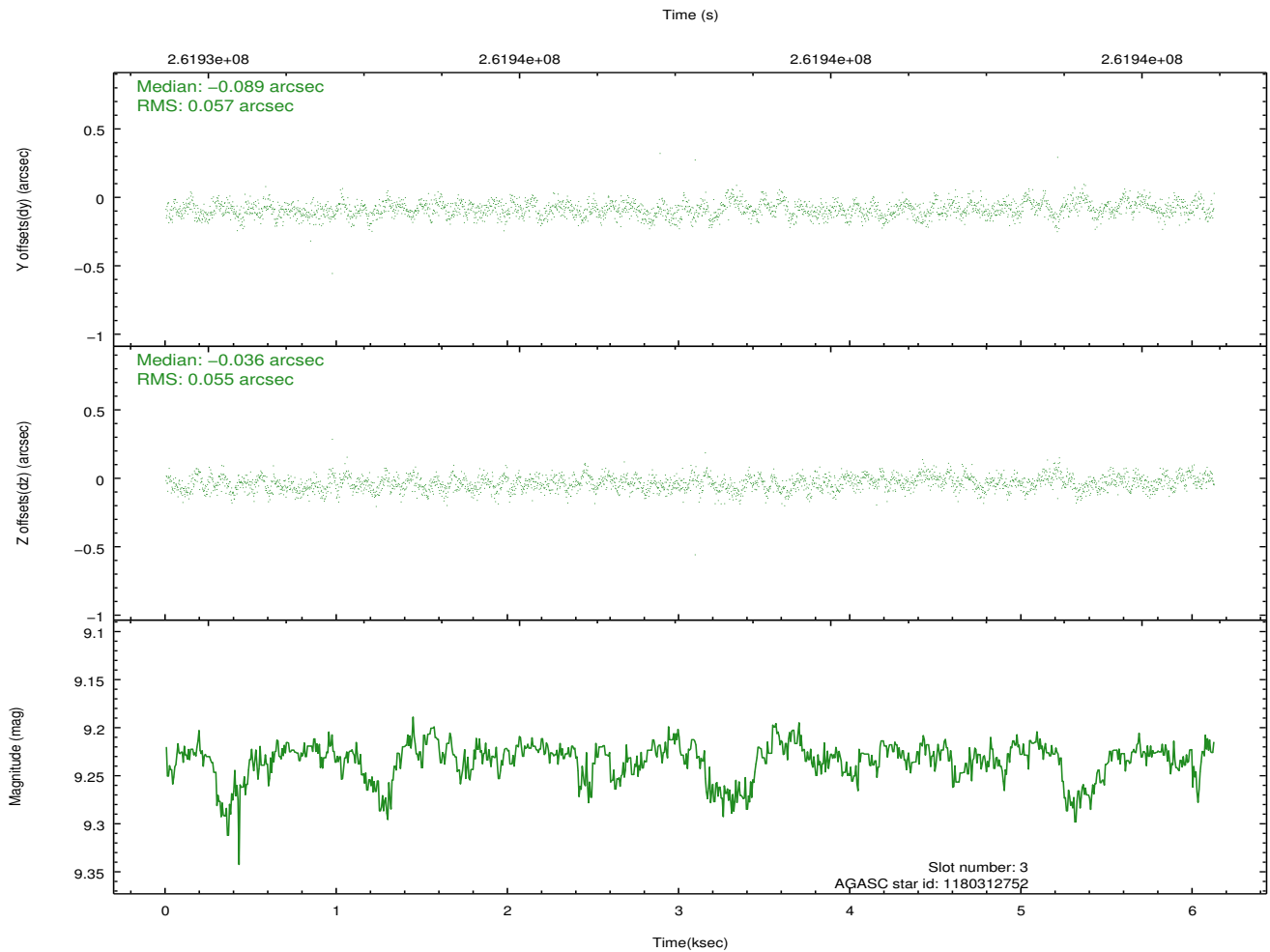
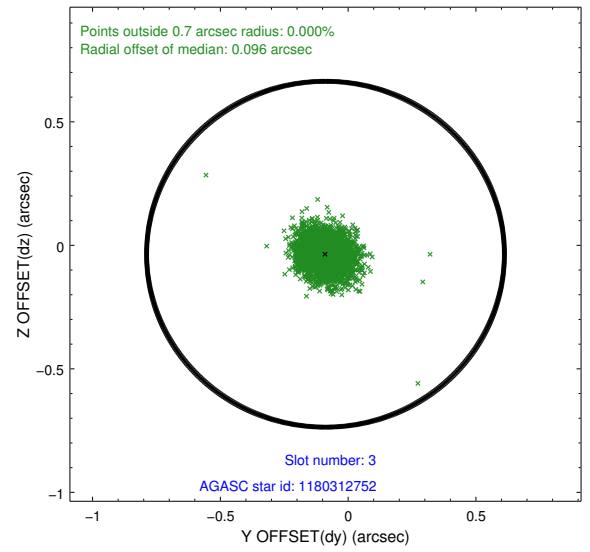
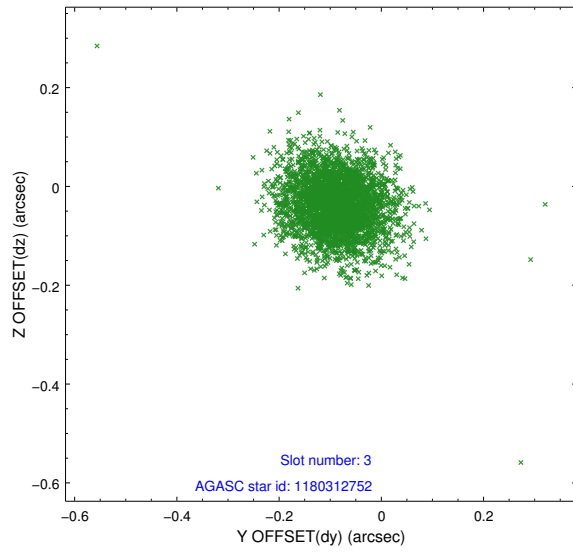


Slot Statistics

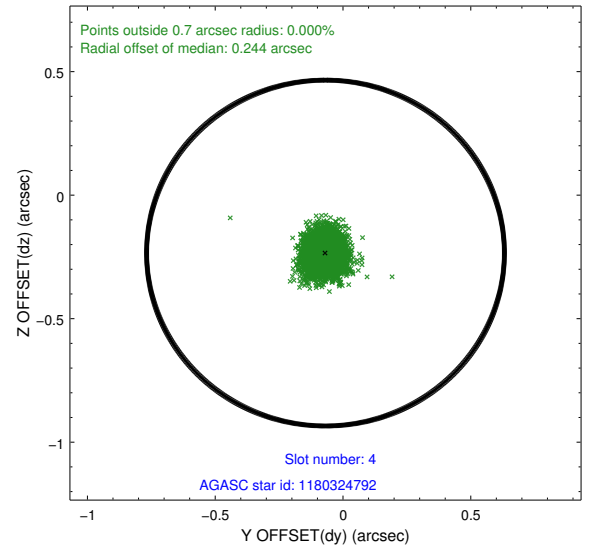
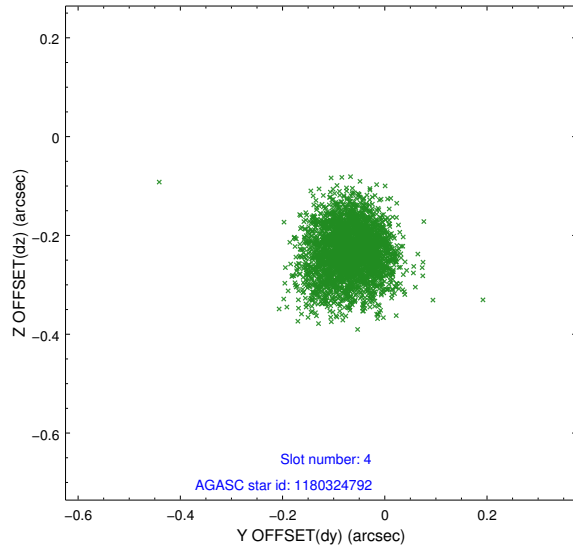
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1494	-0.051	-0.024	0.007	0.019	0.000000	0.000000	-761.46	-1733.79
1	FID	ACIS-S-4	7.20	1494	0.064	0.023	0.008	0.013	0.000000	0.000000	2151.50	173.72
2	FID	ACIS-S-6	7.35	1494	-0.041	0.009	0.008	0.016	0.000000	0.000000	401.79	812.21
3	GUIDE	1180312752	9.23	2985	-0.089	-0.036	0.081	0.134	211.133321	-61.111012	1332.93	976.06
4	GUIDE	1180324792	8.31	2984	-0.068	-0.234	0.073	0.113	210.480465	-60.793133	257.21	2181.85
5	GUIDE	1180334696	6.77	2988	0.009	0.086	0.063	0.116	210.072461	-61.481024	-568.50	-257.82
6	GUIDE	1180699048	8.43	2988	0.025	0.100	0.063	0.104	209.865558	-61.978696	-996.90	-2033.48
7	GUIDE	1180200552	8.89	2986	0.113	0.085	0.076	0.123	209.679806	-61.604579	-1260.18	-675.97

2.4 Star Slots

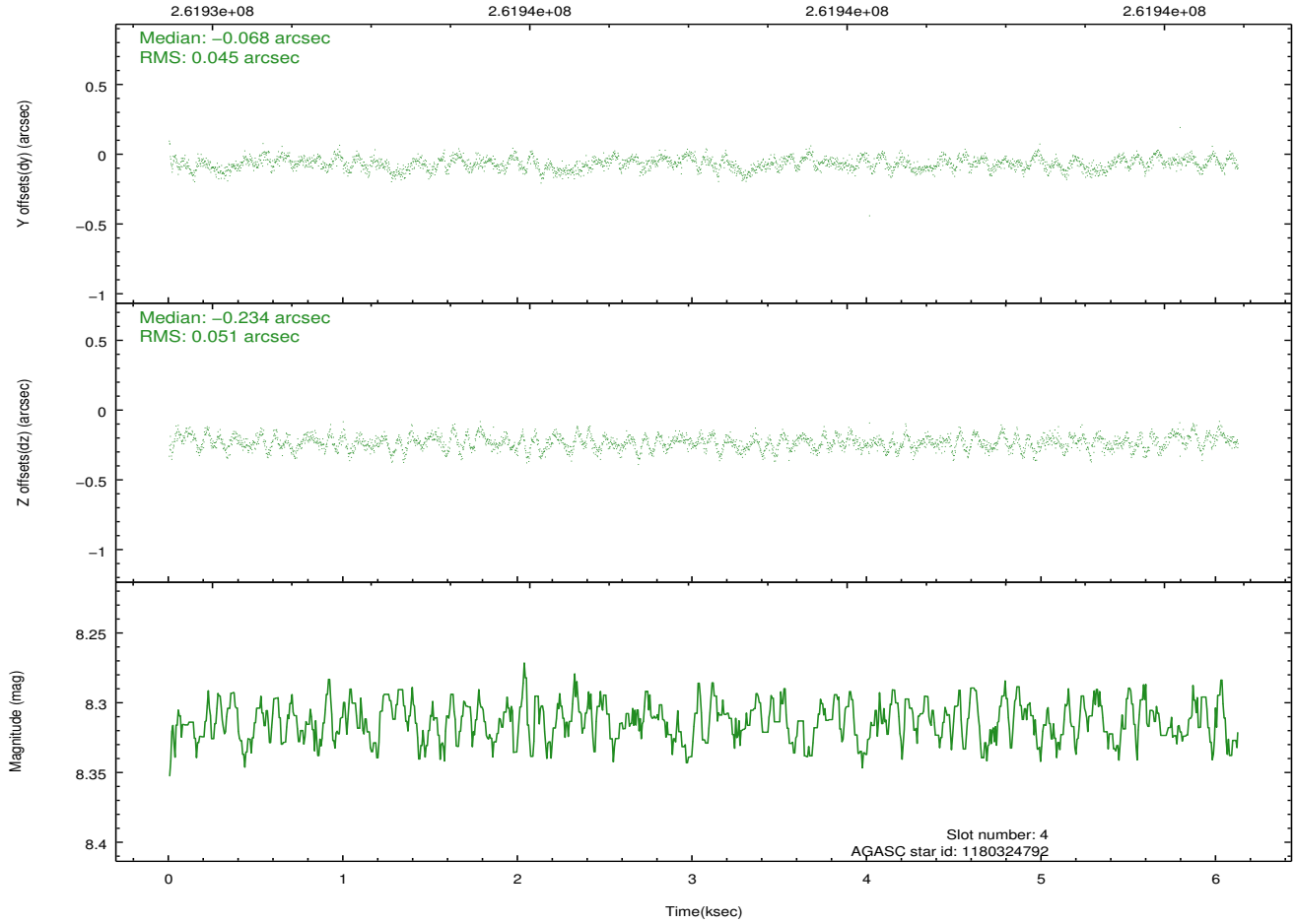
2.4.1 Slot 3



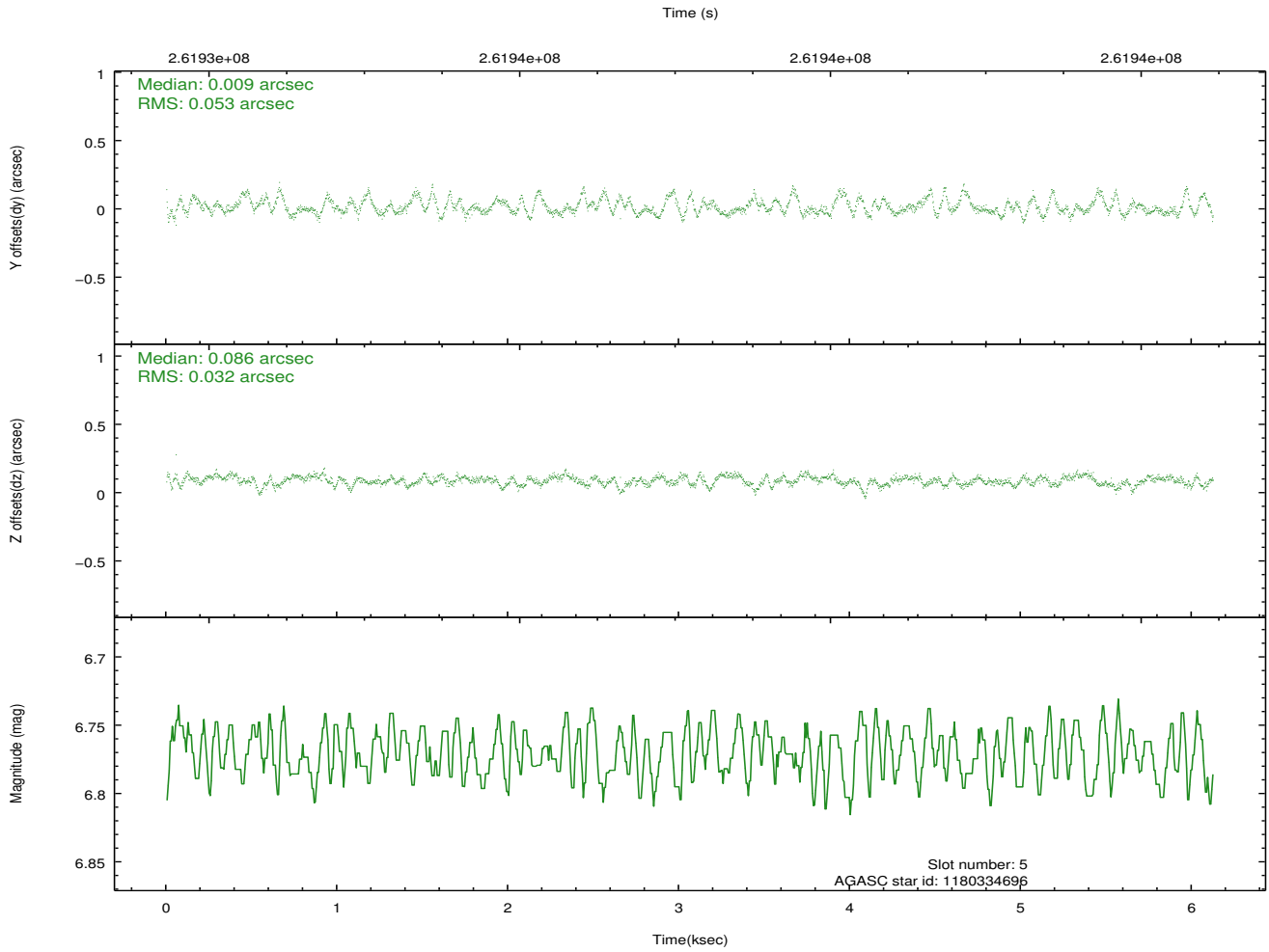
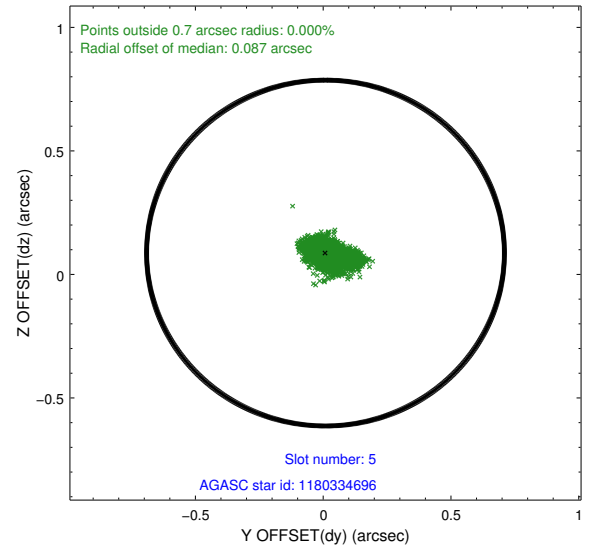
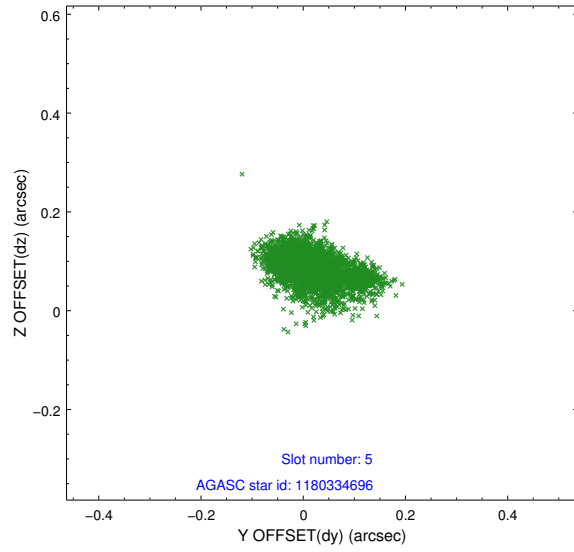
2.4.2 Slot 4



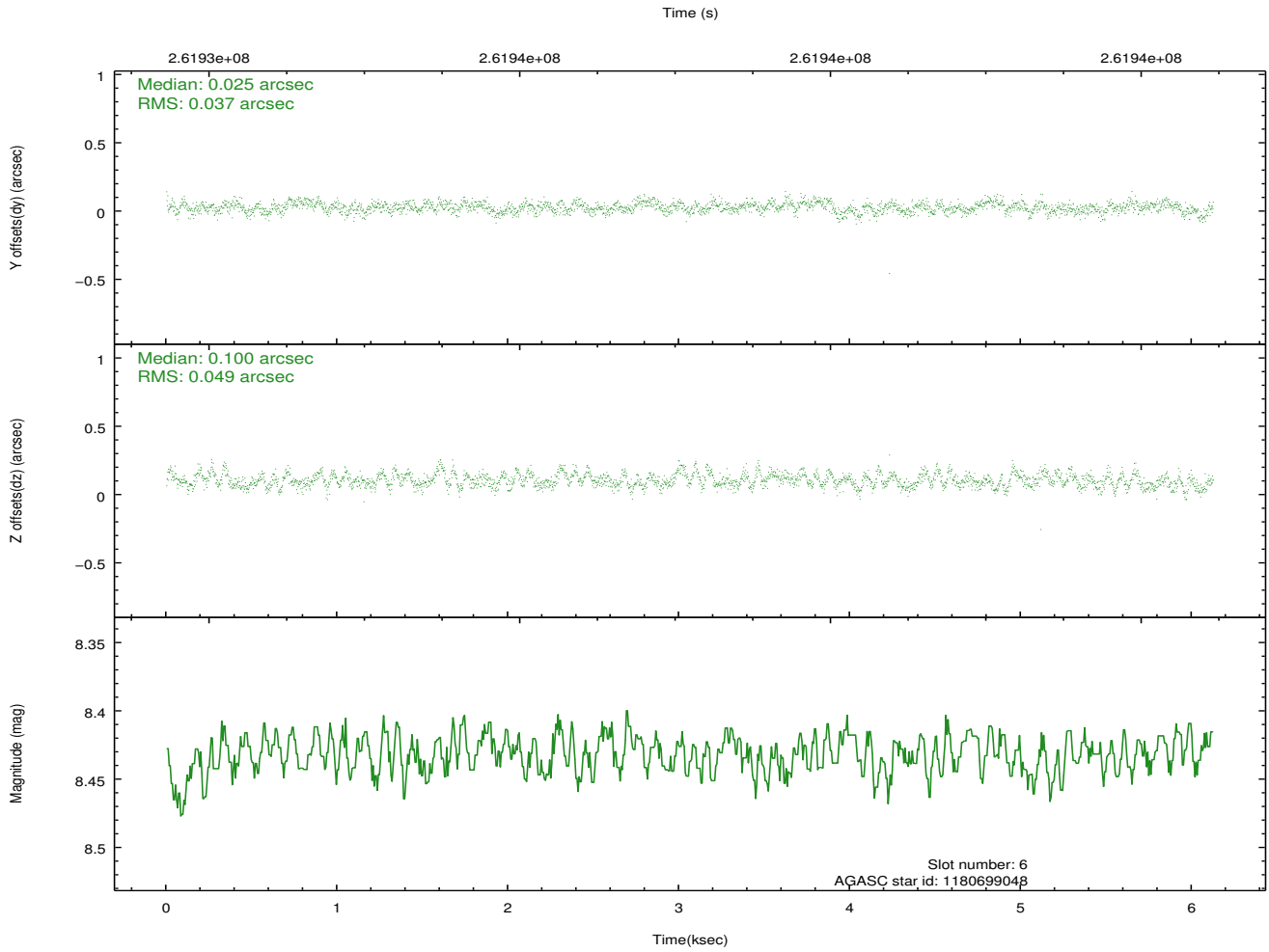
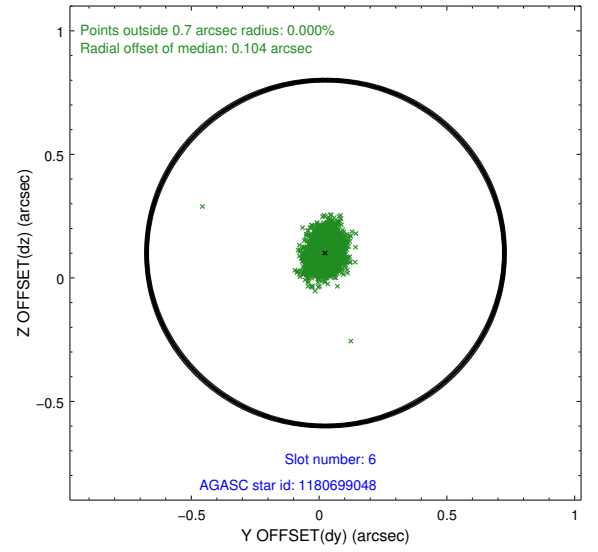
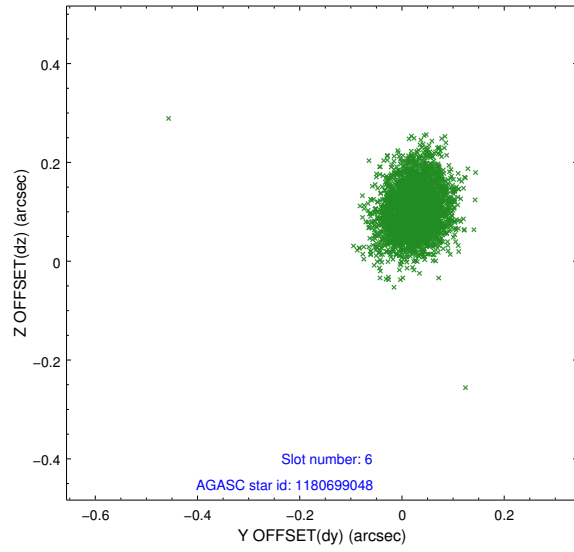
Time (s)



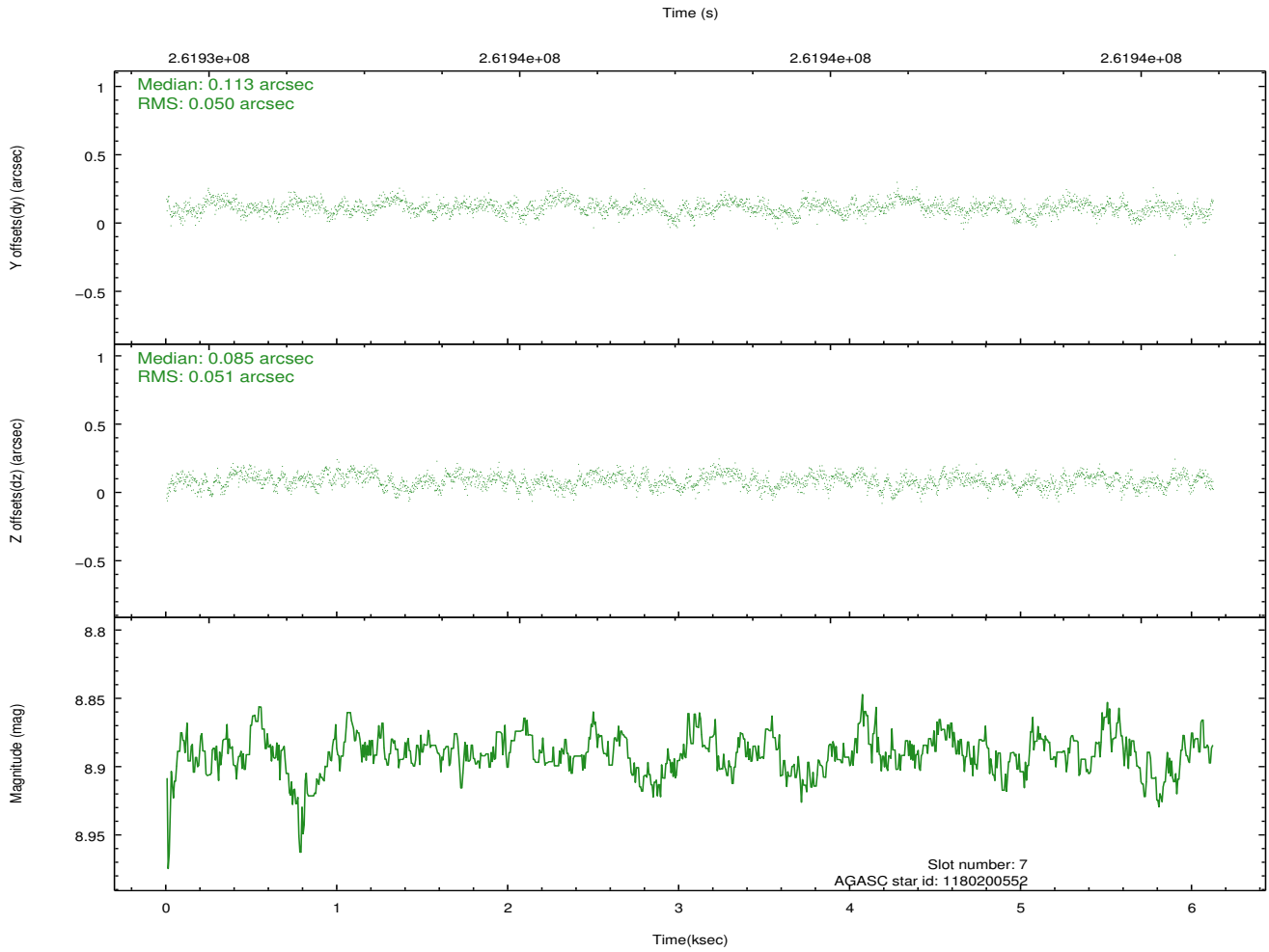
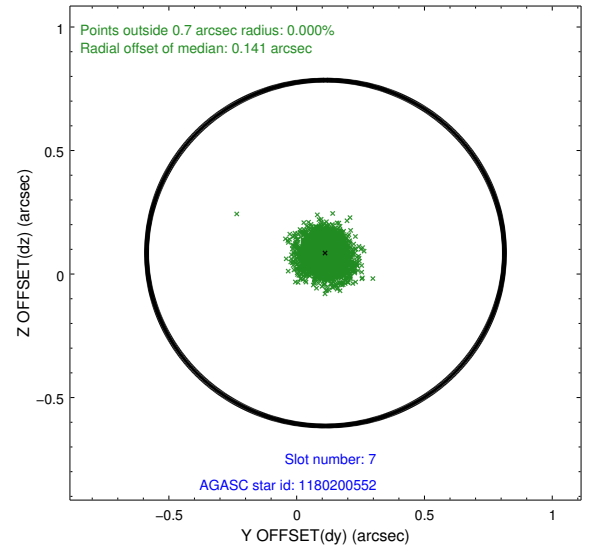
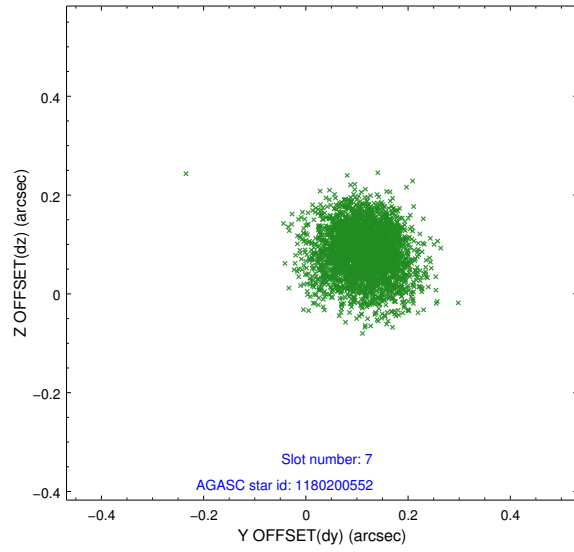
2.4.3 Slot 5



2.4.4 Slot 6

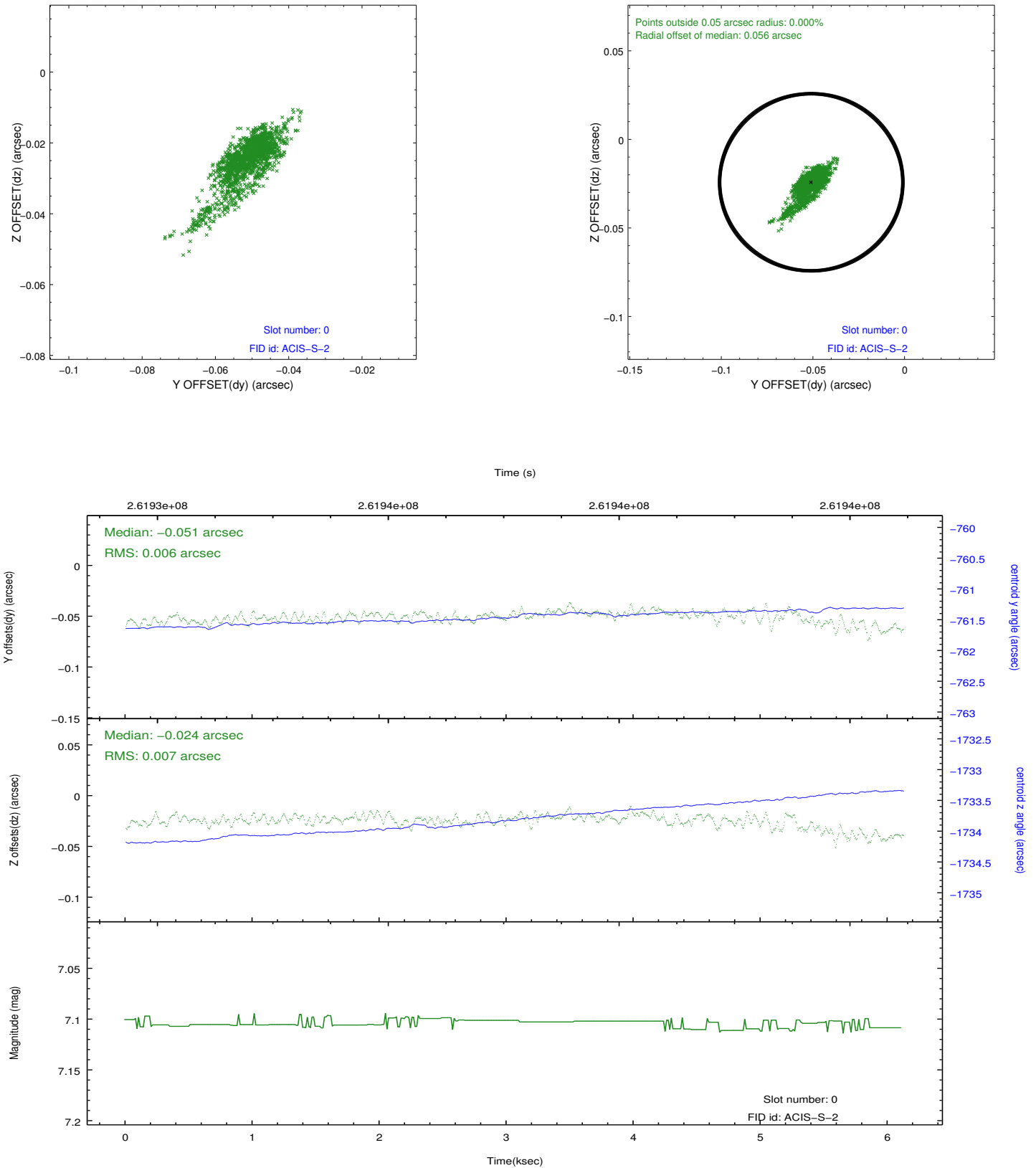


2.4.5 Slot 7

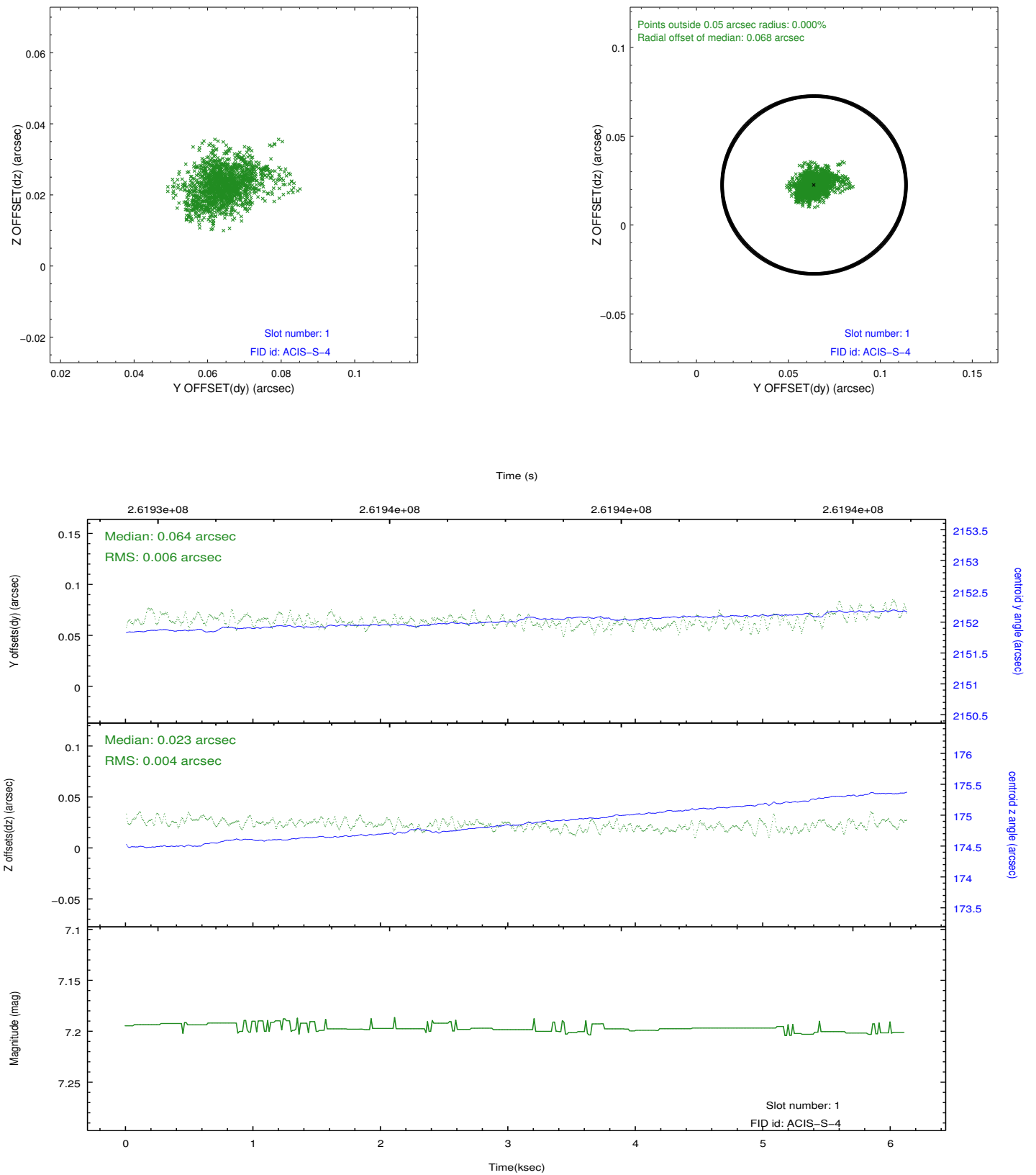


2.5 FID Slots

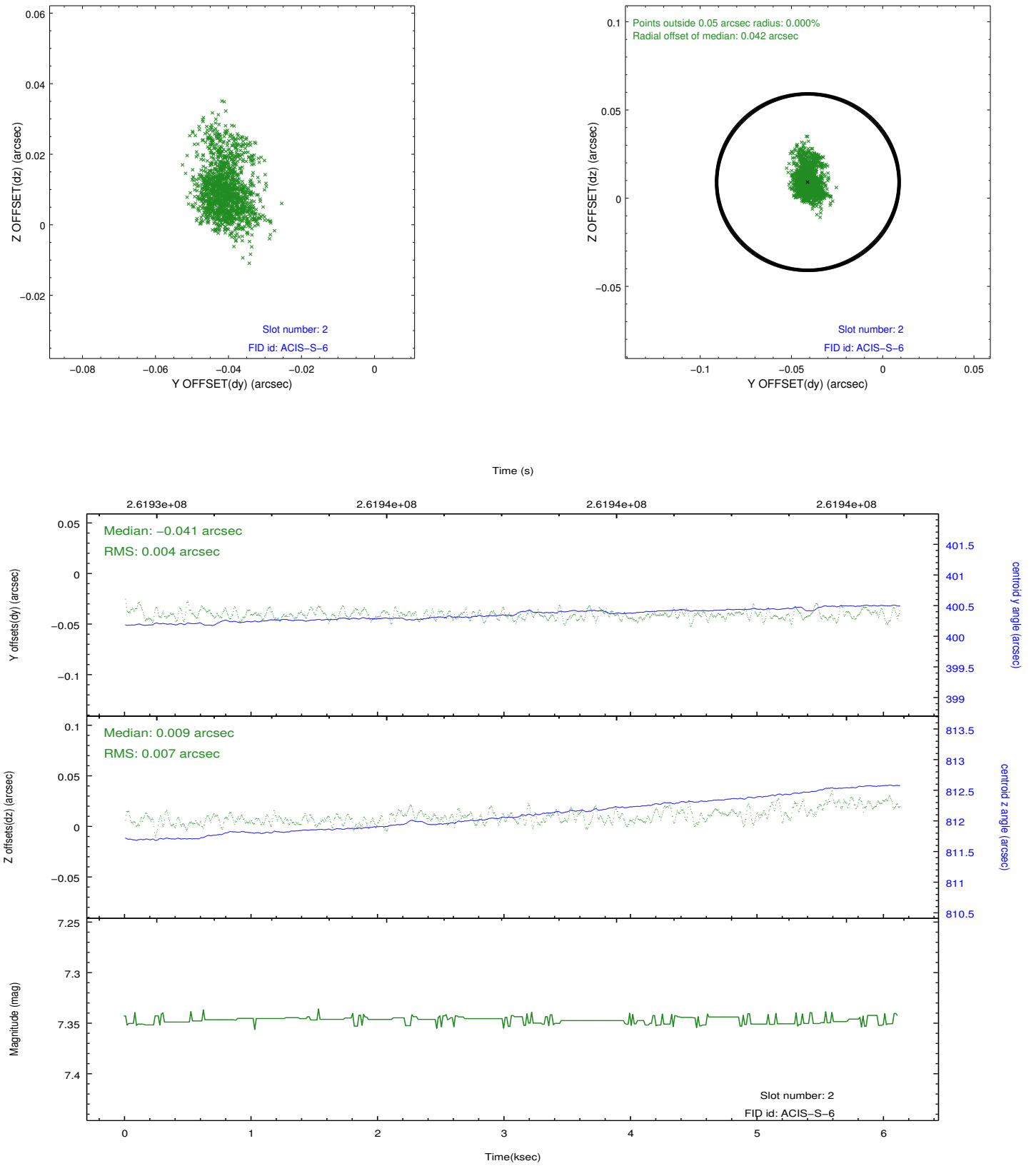
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.11839997

A.2 Comments