

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2801 - L2 Version 3
Chandra X-Ray Center

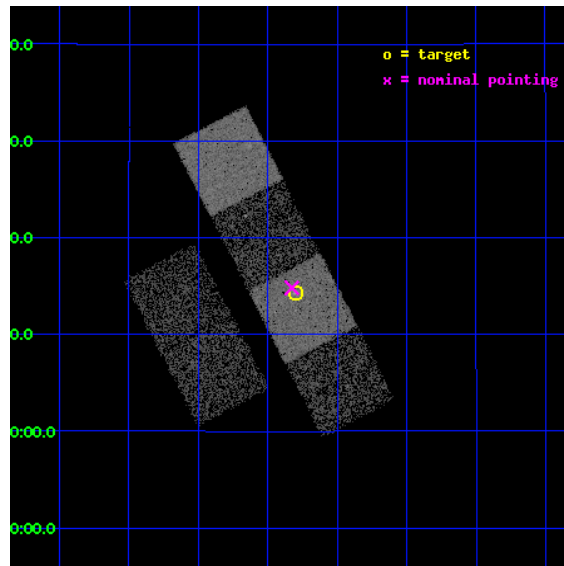
L2 Processing Date : Sep 29 2012

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1 Front

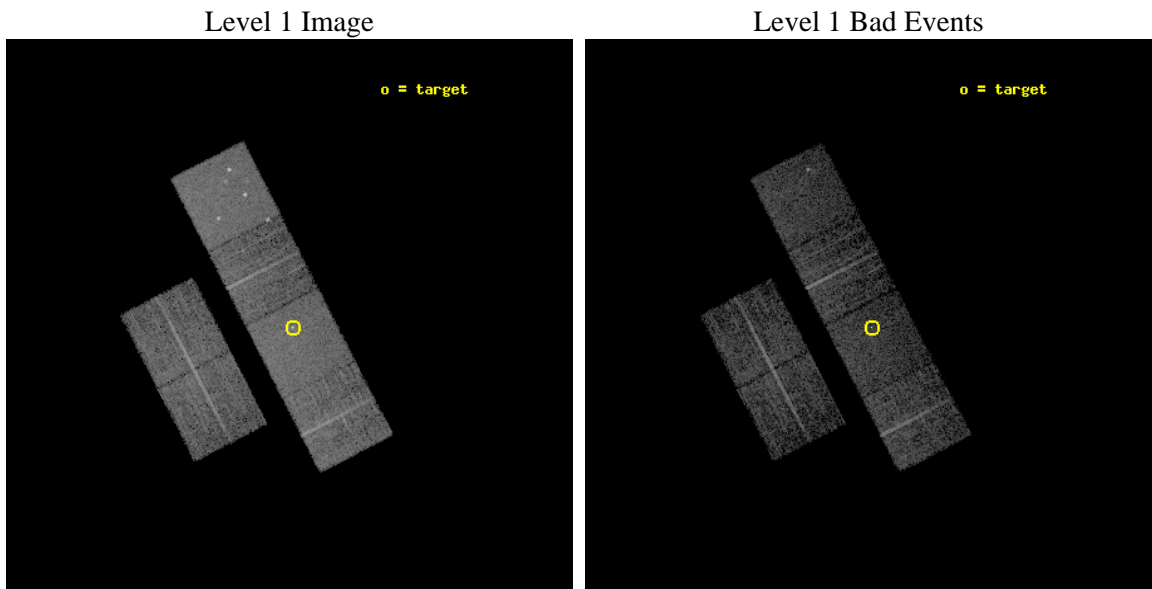
seq_num	500251	Sequence number
obs_id	2801	Observation id
title	PSR 0656+14 AND ITS PUTATIVE PULSAR-WIND NEBULA	Proposal title
observer	Dr. Vyacheslav Zavlin	Principal investigator
object	PSR 0656+14	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	104.950417	Observer's specified target RA [deg]
dec_targ	14.239306	Observer's specified target Dec [deg]
ra_nom	104.95650214798	Nominal RA [deg]
dec_nom	14.247043645193	Nominal Dec [deg]
roll_nom	62.745138159136	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4960.0000046045	Sum of GTIs [s]
livetime	4897.1934979927	Livetime [s]
ontime2	4960.0000046045	Sum of GTIs [s]
ontime3	4960.0000046045	Sum of GTIs [s]
ontime5	4960.0000046045	Sum of GTIs [s]
ontime6	4960.0000046045	Sum of GTIs [s]
ontime7	4960.0000046045	Sum of GTIs [s]
ontime8	4960.0000046045	Sum of GTIs [s]
l2events	52979	Number of level 2 events



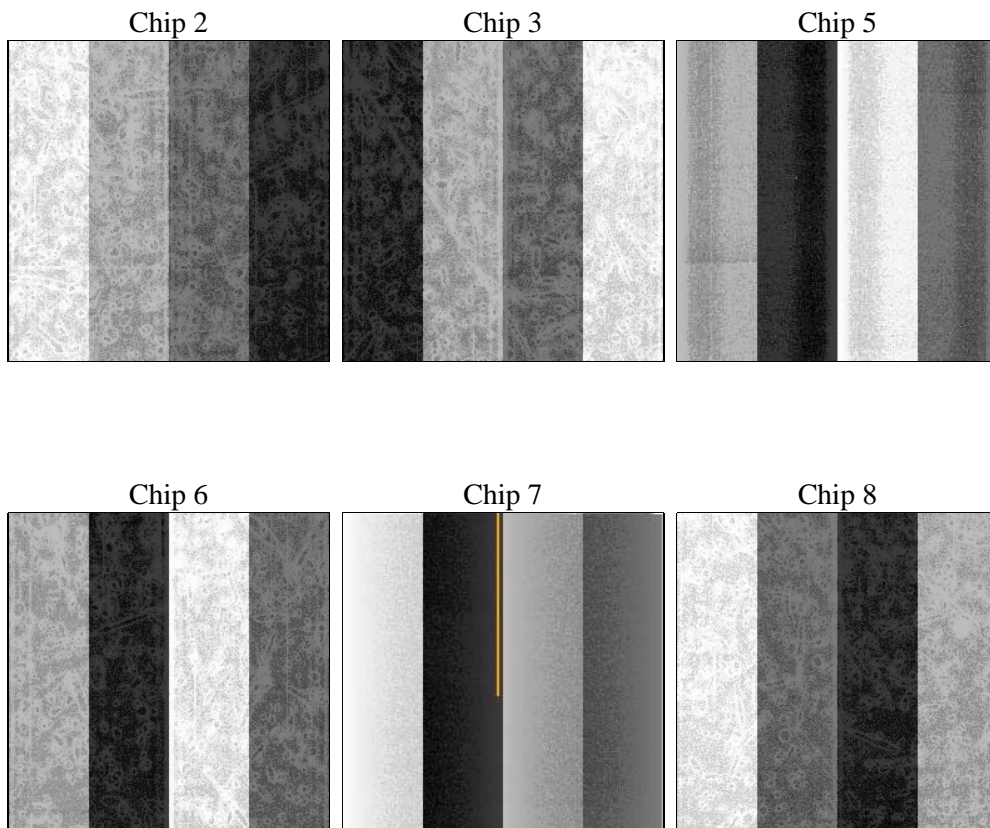
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4960.0000046045	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4960.0000046045	Sum of GTIs [s]
date	2012-09-29T01:57:15	Date and time of file creation	ontime3	4960.0000046045	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4960.0000046045	Sum of GTIs [s]
			ontime6	4960.0000046045	Sum of GTIs [s]
			ontime7	4960.0000046045	Sum of GTIs [s]
			ontime8	4960.0000046045	Sum of GTIs [s]
			l1events	237751	Number of level 1 events

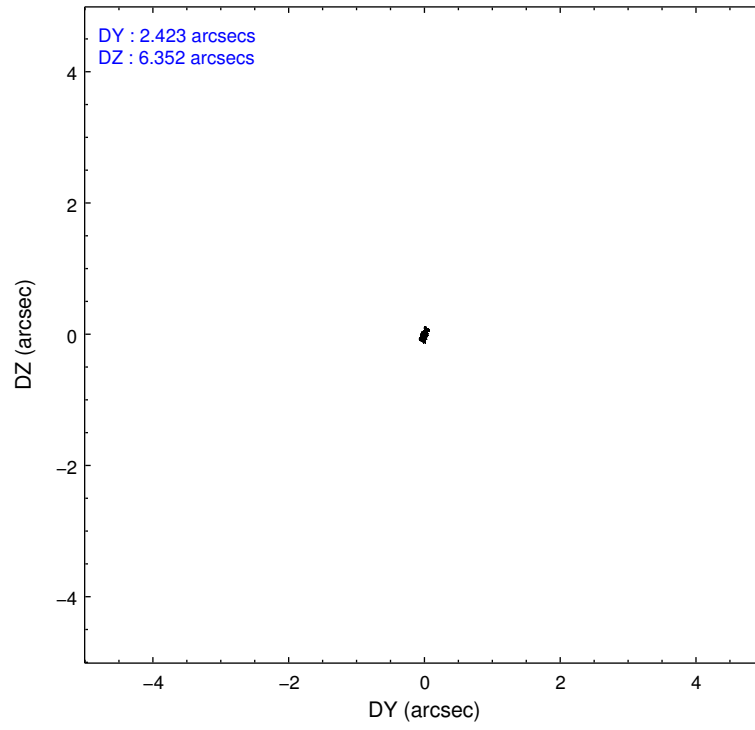
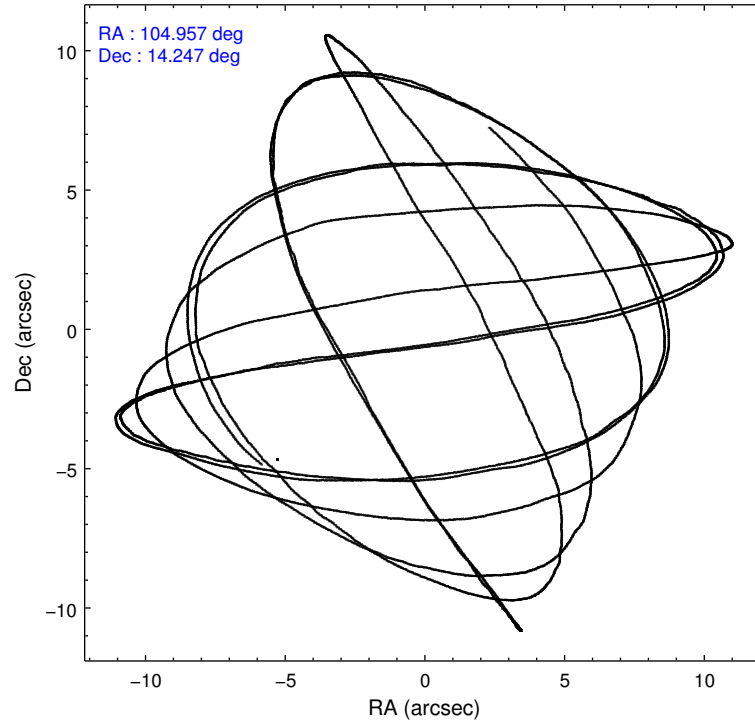
2.1.4 Events

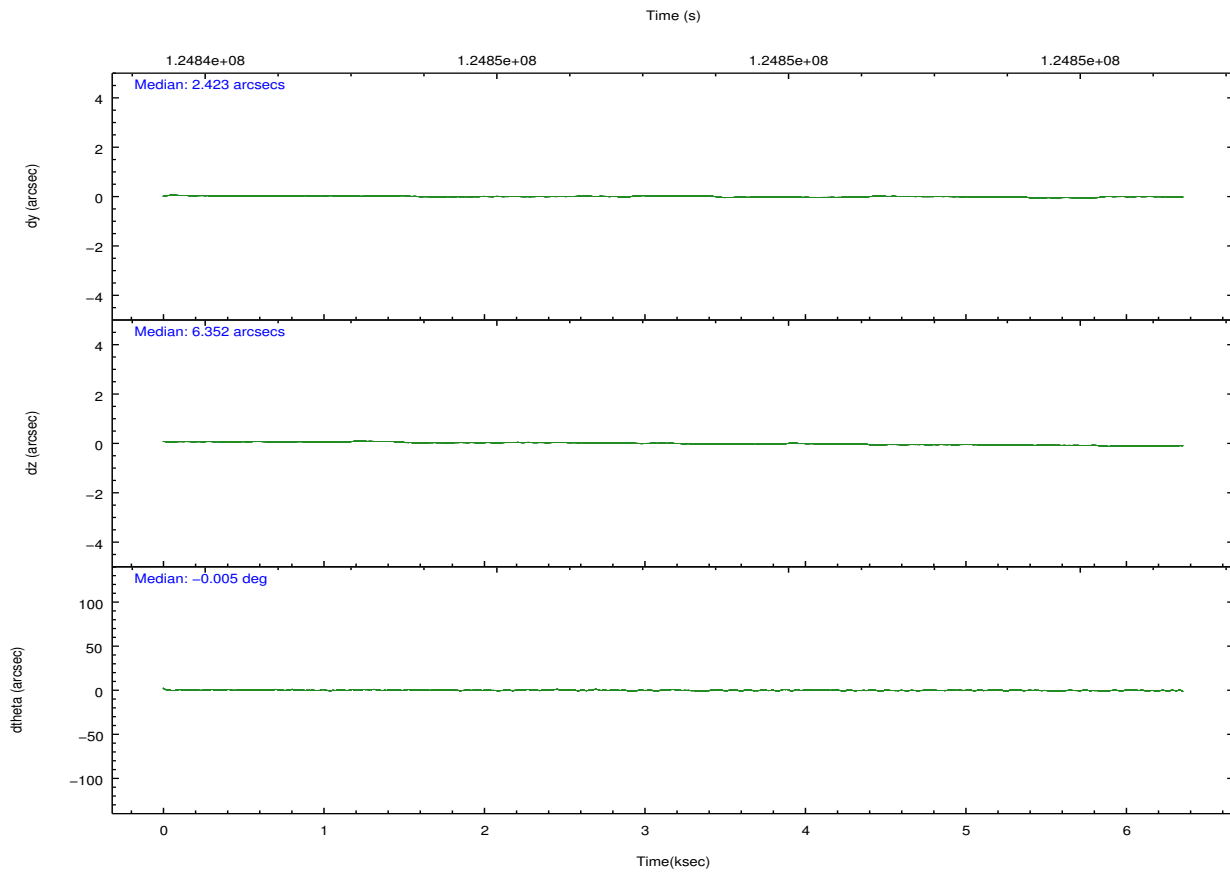
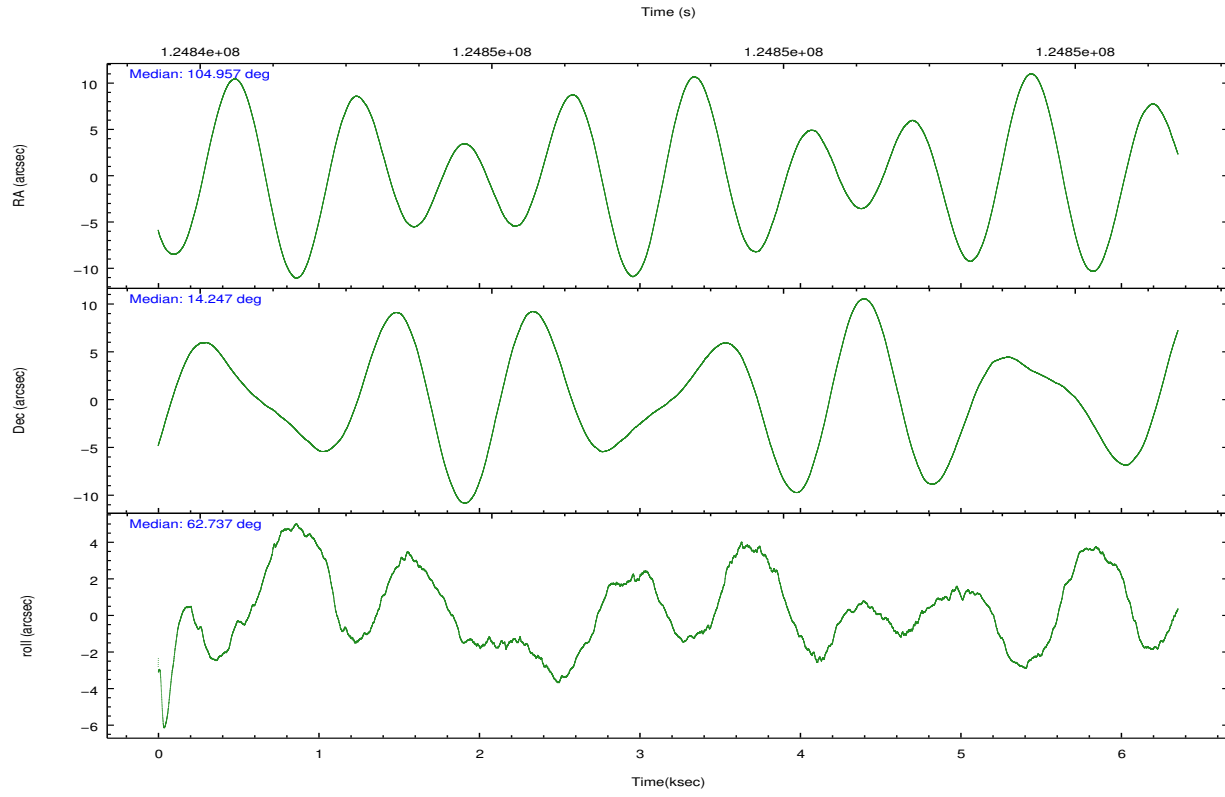
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34286	32031	50200	33680	45992	41562	grade 0 events	1541	1633	4527	1769	2322	2755
rejected events	30577	28239	26109	29566	26795	32665		4%	5%	9%	5%	5%	6%
rejected %	89%	88%	52%	87%	58%	78%	grade 1 events	19	12	351	15	80	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	820	763	6279	810	3755	1952
								2%	2%	12%	2%	8%	4%
							grade 3 events	335	362	1027	385	1634	980
								0%	1%	2%	1%	3%	2%
							grade 4 events	354	346	1040	350	1738	898
								1%	1%	2%	1%	3%	2%
							grade 5 events	1179	1299	3615	1436	4393	1767
								3%	4%	7%	4%	9%	4%
							grade 6 events	662	690	11230	803	9759	2314
								1%	2%	22%	2%	21%	5%
							grade 7 events	29376	26926	22131	28112	22311	30873
								85%	84%	44%	83%	48%	74%

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	104.958195	104.956502147982	Subarray requested	NONE	NONE
[deg] Pointing Dec	14.219821	14.2470436451926	Alternating exposures requested	N	N
[deg] Pointing Roll	62.588090	62.74513815913608	[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)	124845384.184000	124843838.51874			
Observation start date	2001-12-15T23:15:20	2001-12-15T22:50:38			
[s] Observation end time (MET)	124850384.184000	124851074.50653			
Observation end date	2001-12-16T00:38:40	2001-12-16T00:51:14			
Read mode	TIMED	TIMED			

2.3 Aspect



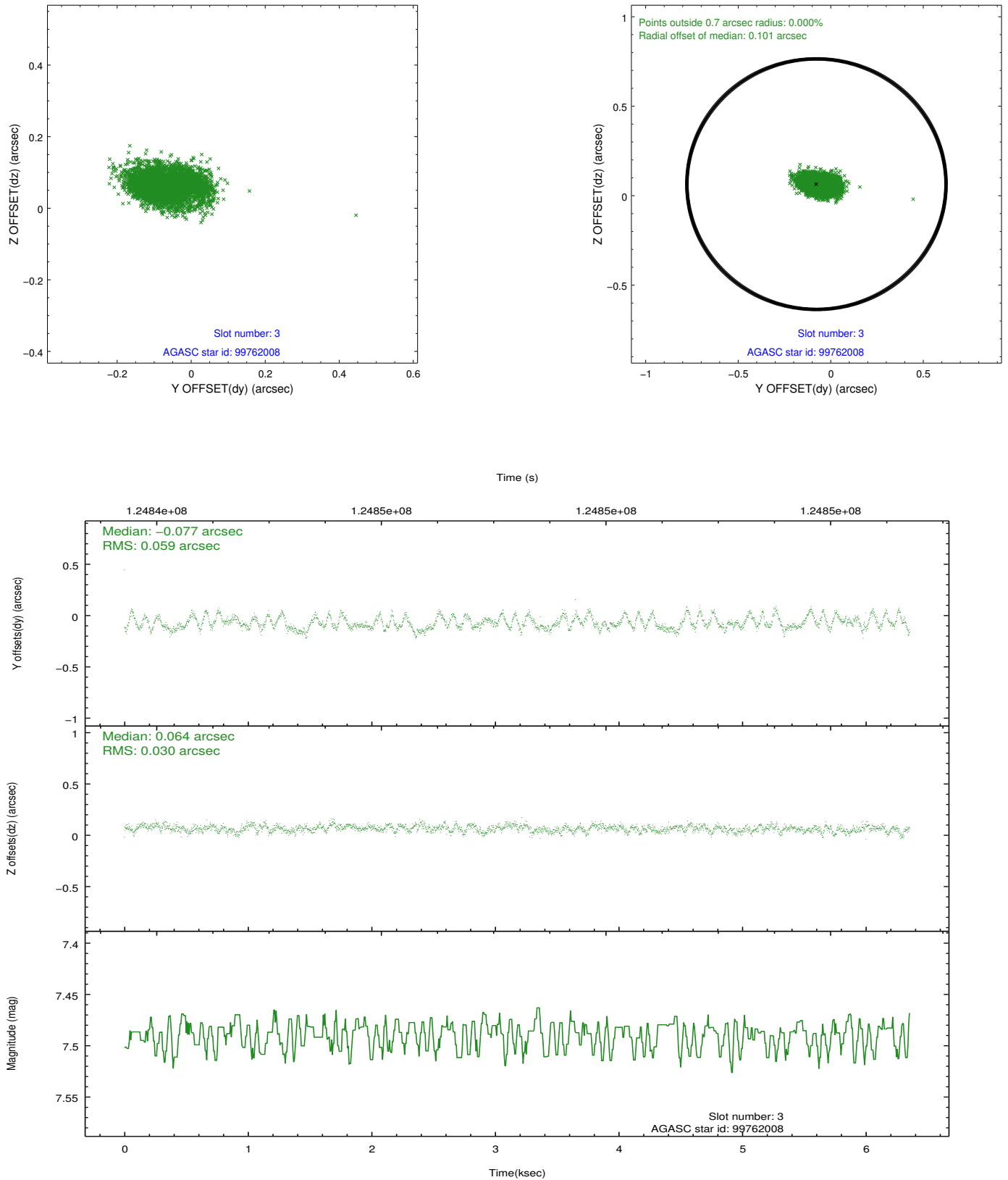


Slot Statistics

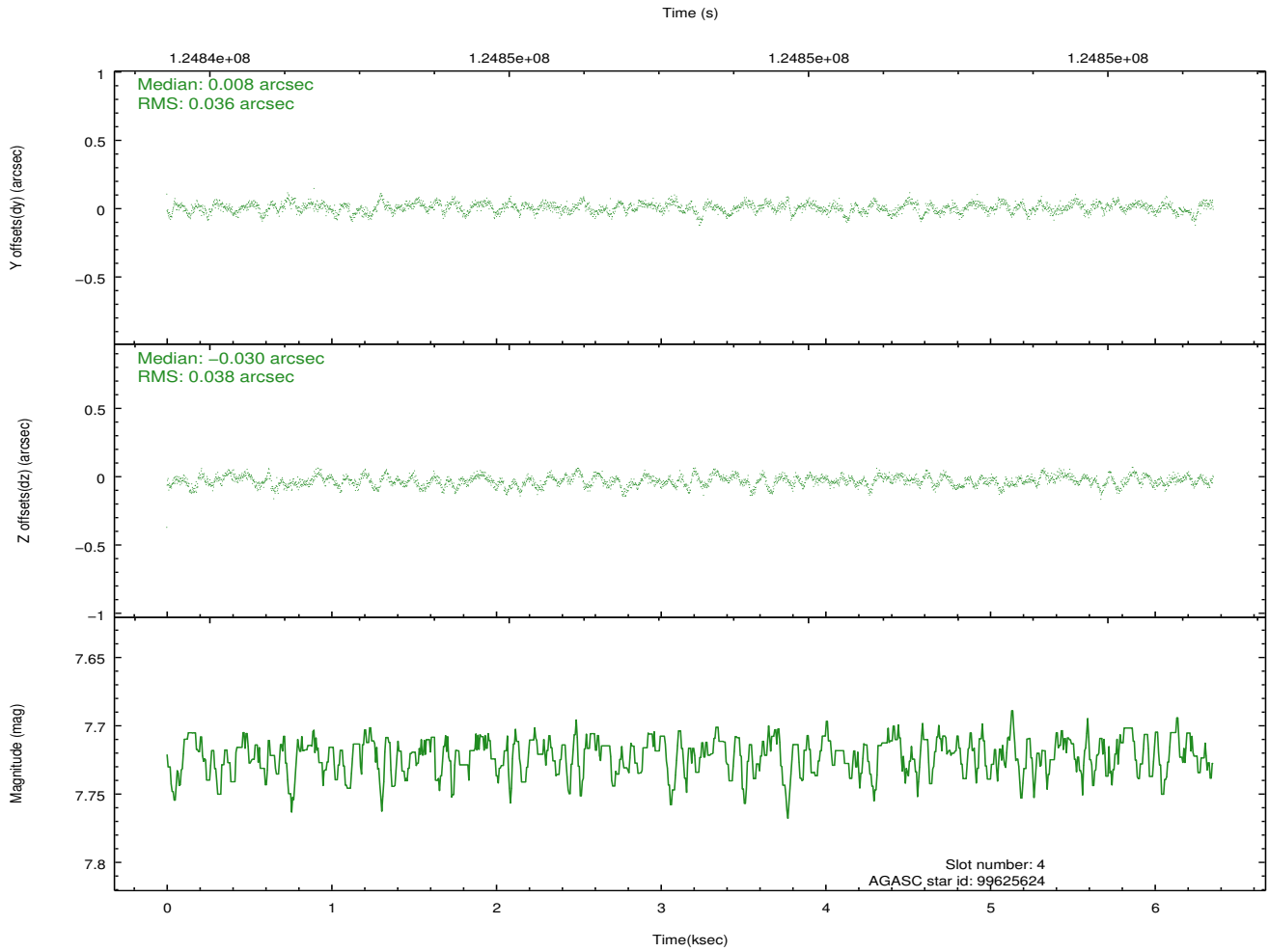
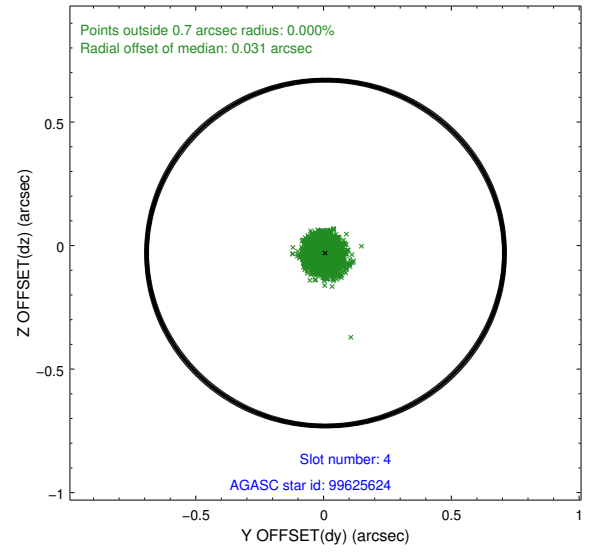
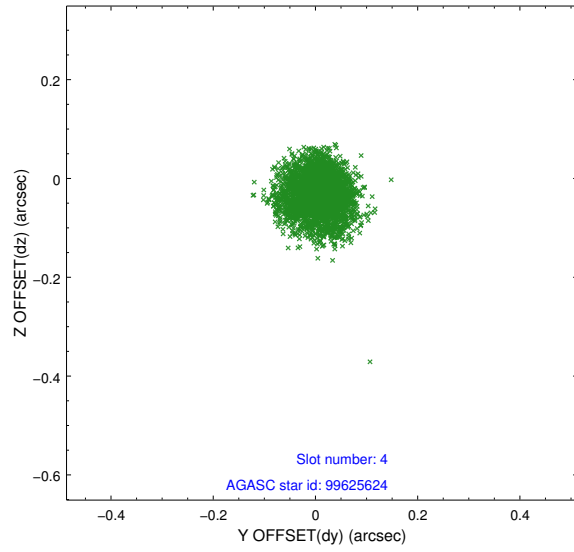
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1549	-0.044	-0.005	0.007	0.011	0.000000	0.000000	-755.06	-1727.52
1	FID	ACIS-S-4	7.21	1549	-0.009	0.023	0.005	0.010	0.000000	0.000000	2157.80	180.10
2	FID	ACIS-S-5	7.24	1550	0.022	-0.009	0.006	0.011	0.000000	0.000000	-1806.68	174.71
3	GUIDE	99762008	7.49	3099	-0.077	0.064	0.068	0.118	105.809270	14.336108	1743.48	-2439.24
4	GUIDE	99625624	7.72	3101	0.008	-0.030	0.056	0.089	104.556043	14.249213	-550.58	1294.53
5	GUIDE	99634584	8.43	3100	0.109	-0.069	0.056	0.089	104.341882	13.801780	-2325.64	1221.77
6	GUIDE	99756168	8.76	3099	-0.129	0.102	0.081	0.129	105.592210	14.661738	2430.94	-1225.15
7	GUIDE	99629096	9.14	3099	0.079	-0.066	0.103	0.161	104.163989	14.029616	-1880.15	2149.16

2.4 Star Slots

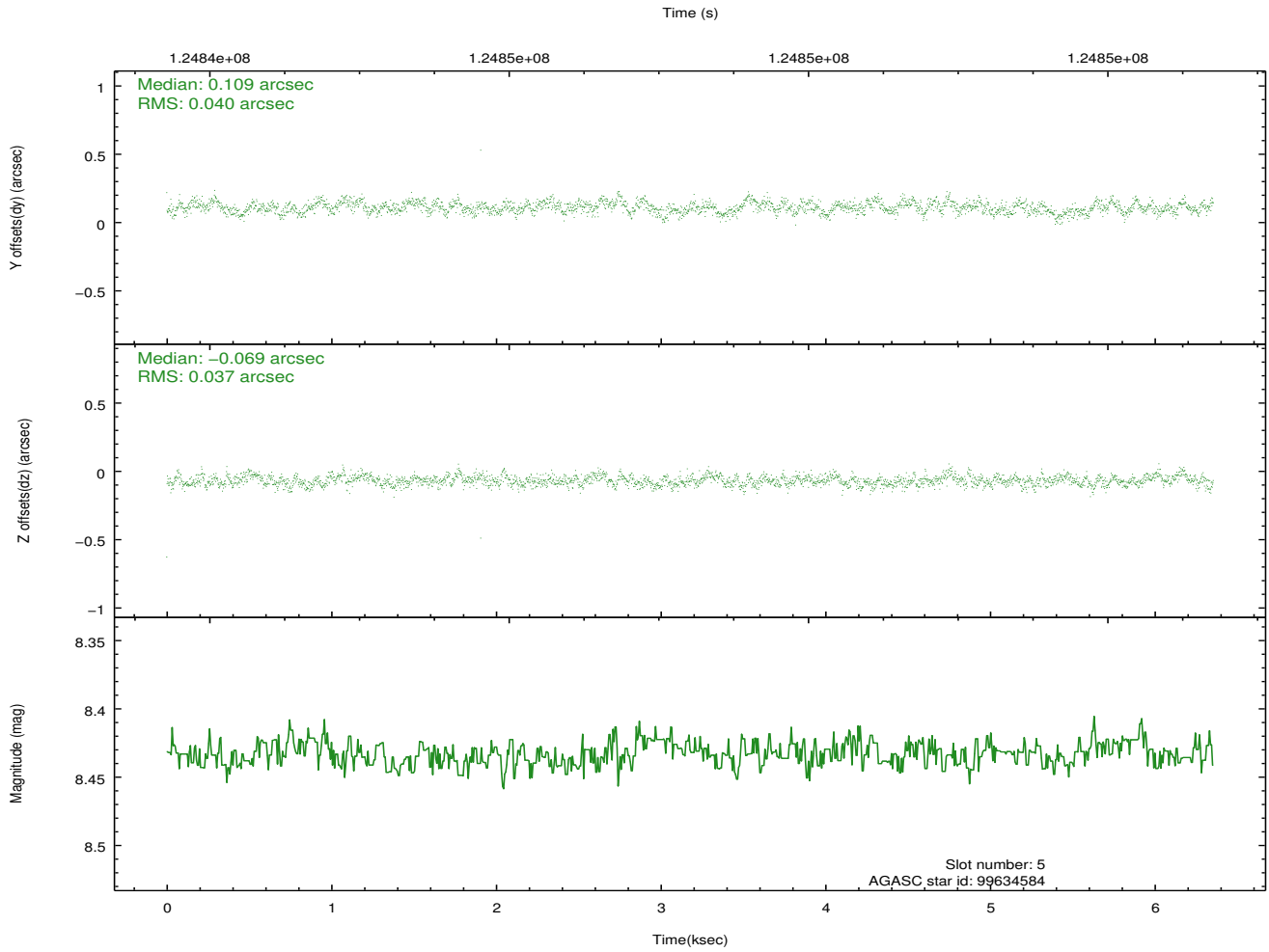
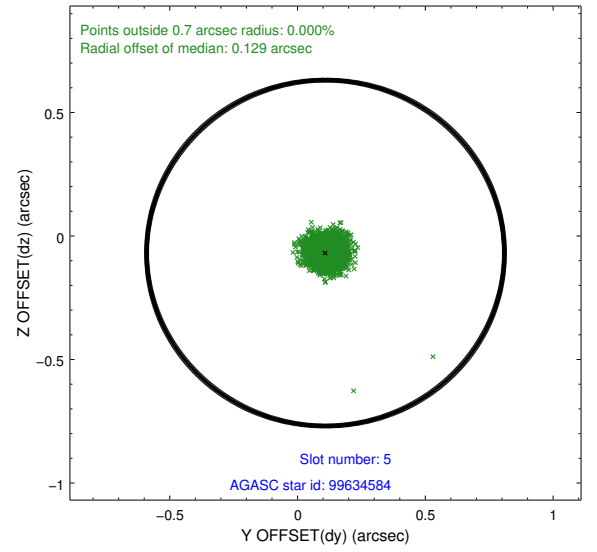
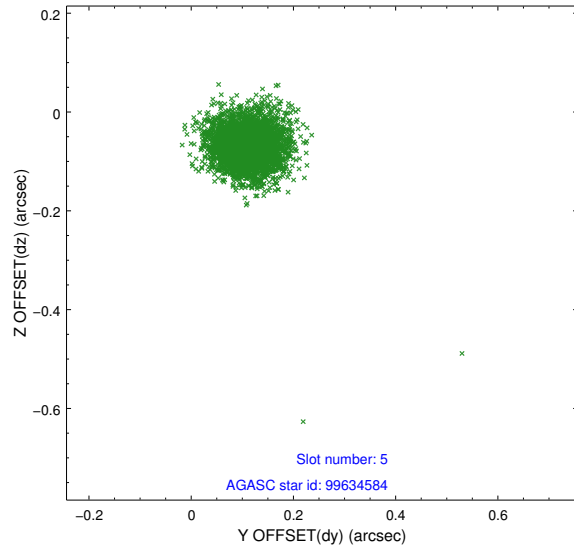
2.4.1 Slot 3



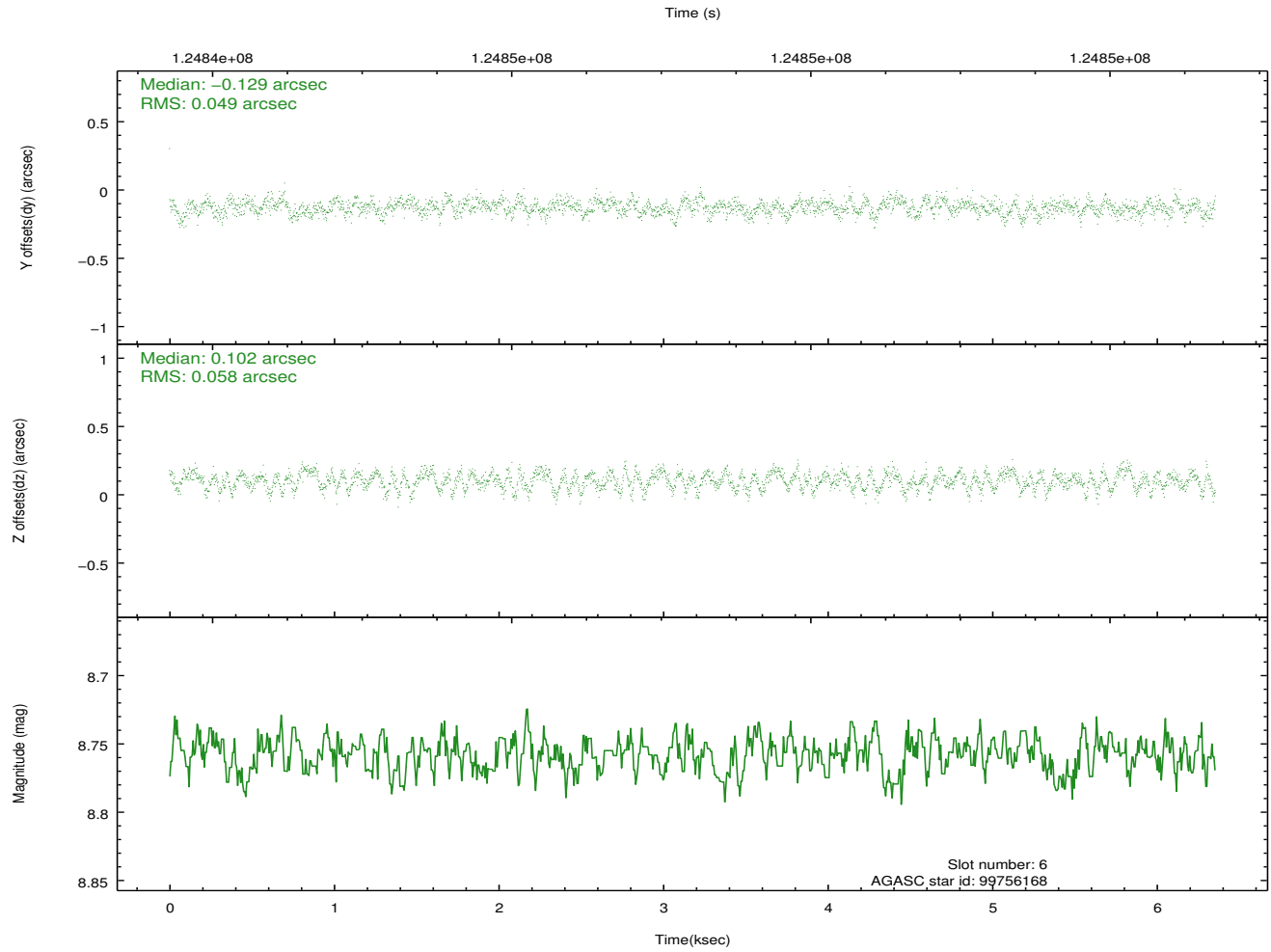
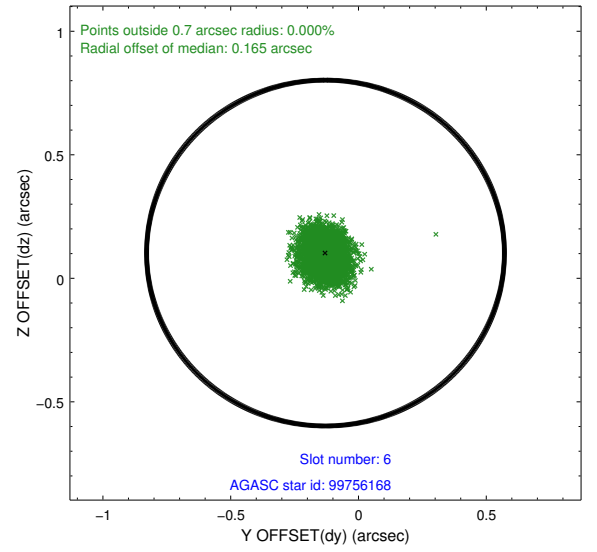
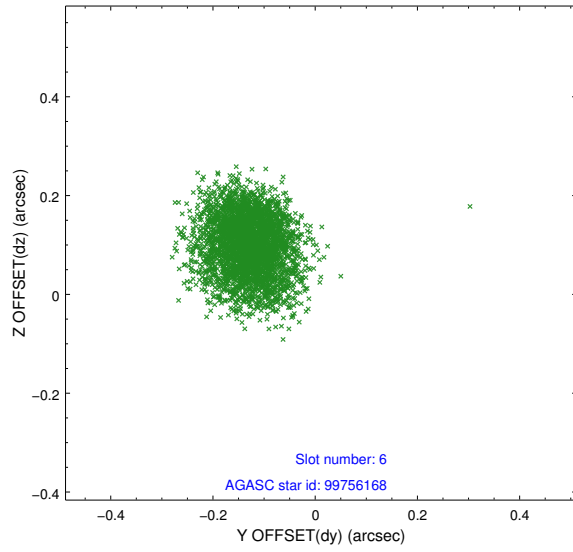
2.4.2 Slot 4



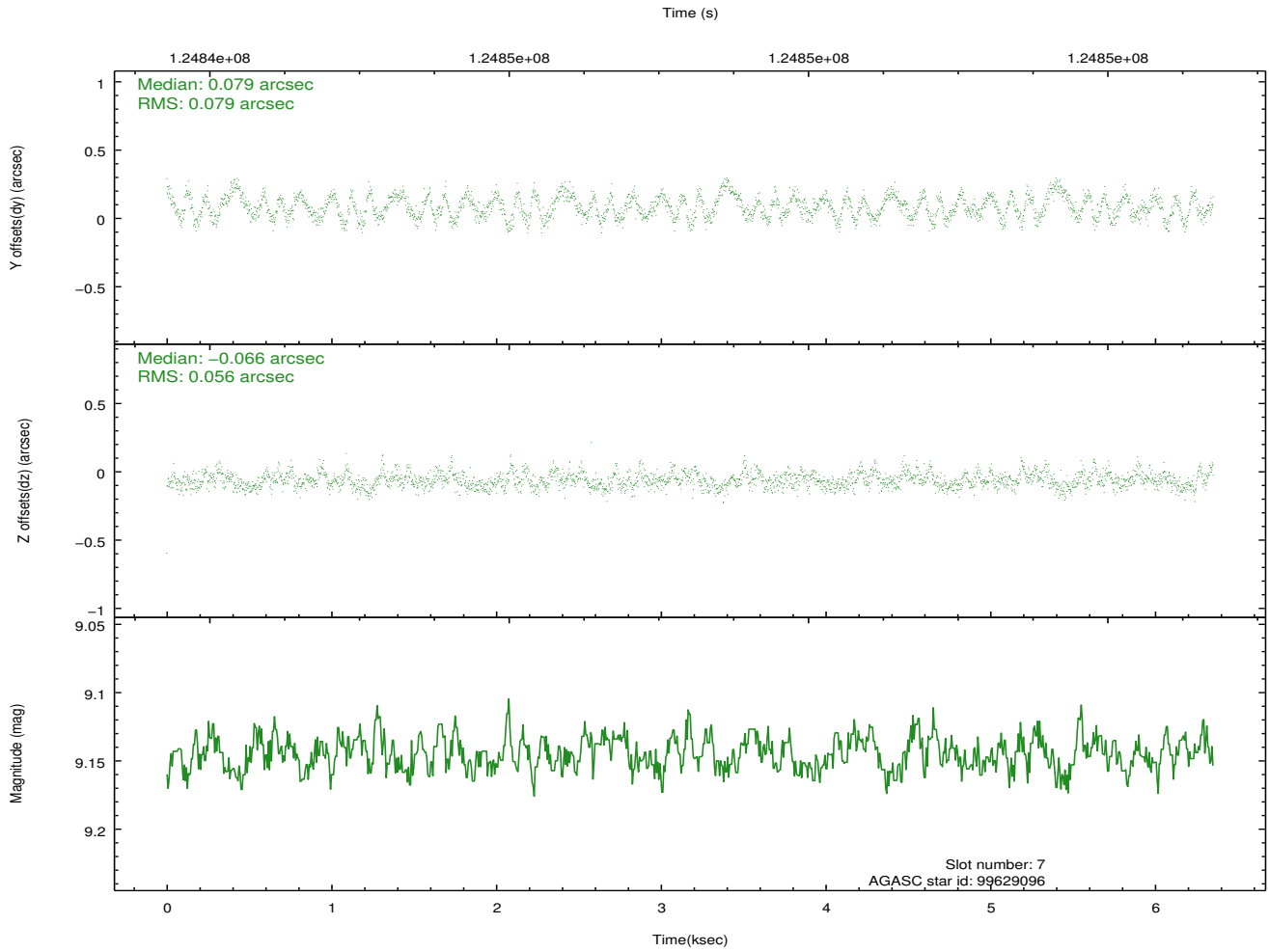
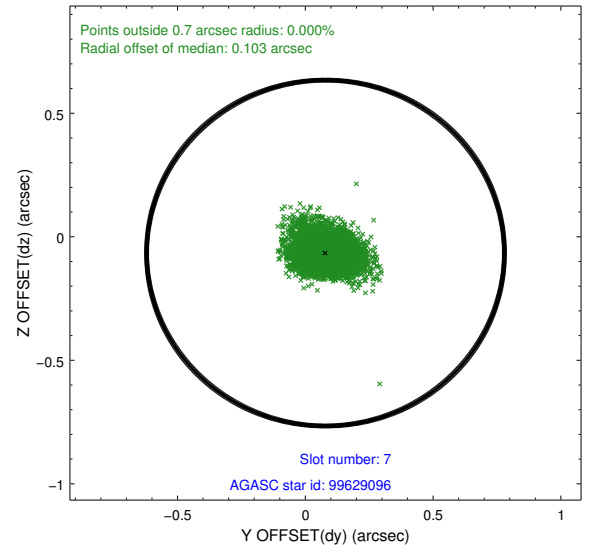
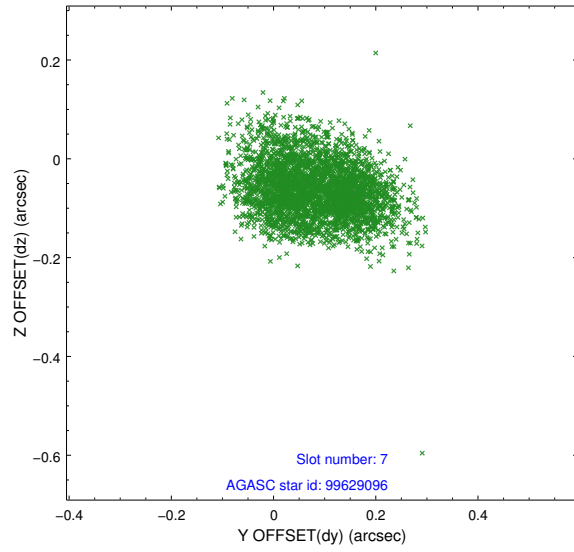
2.4.3 Slot 5



2.4.4 Slot 6

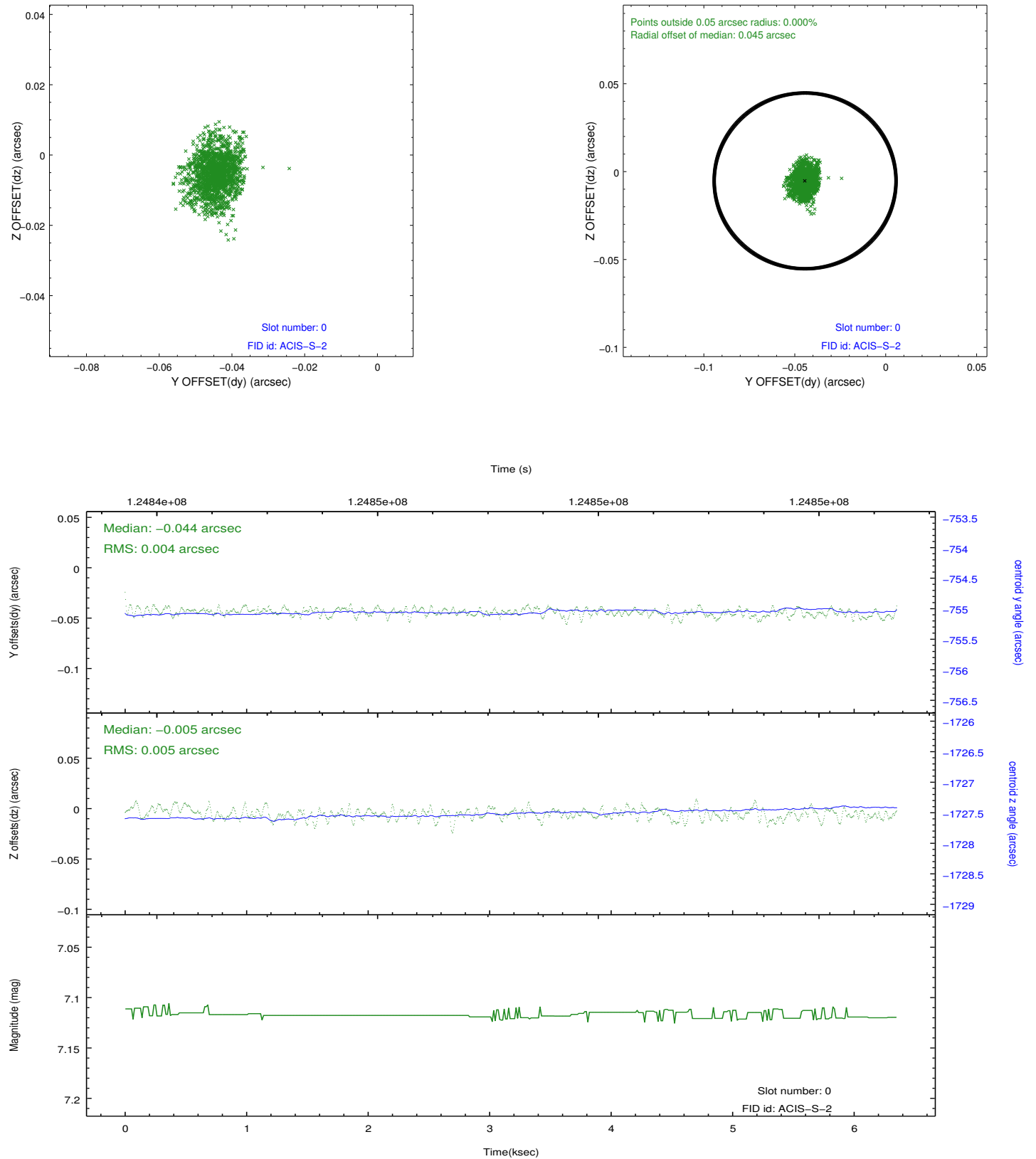


2.4.5 Slot 7

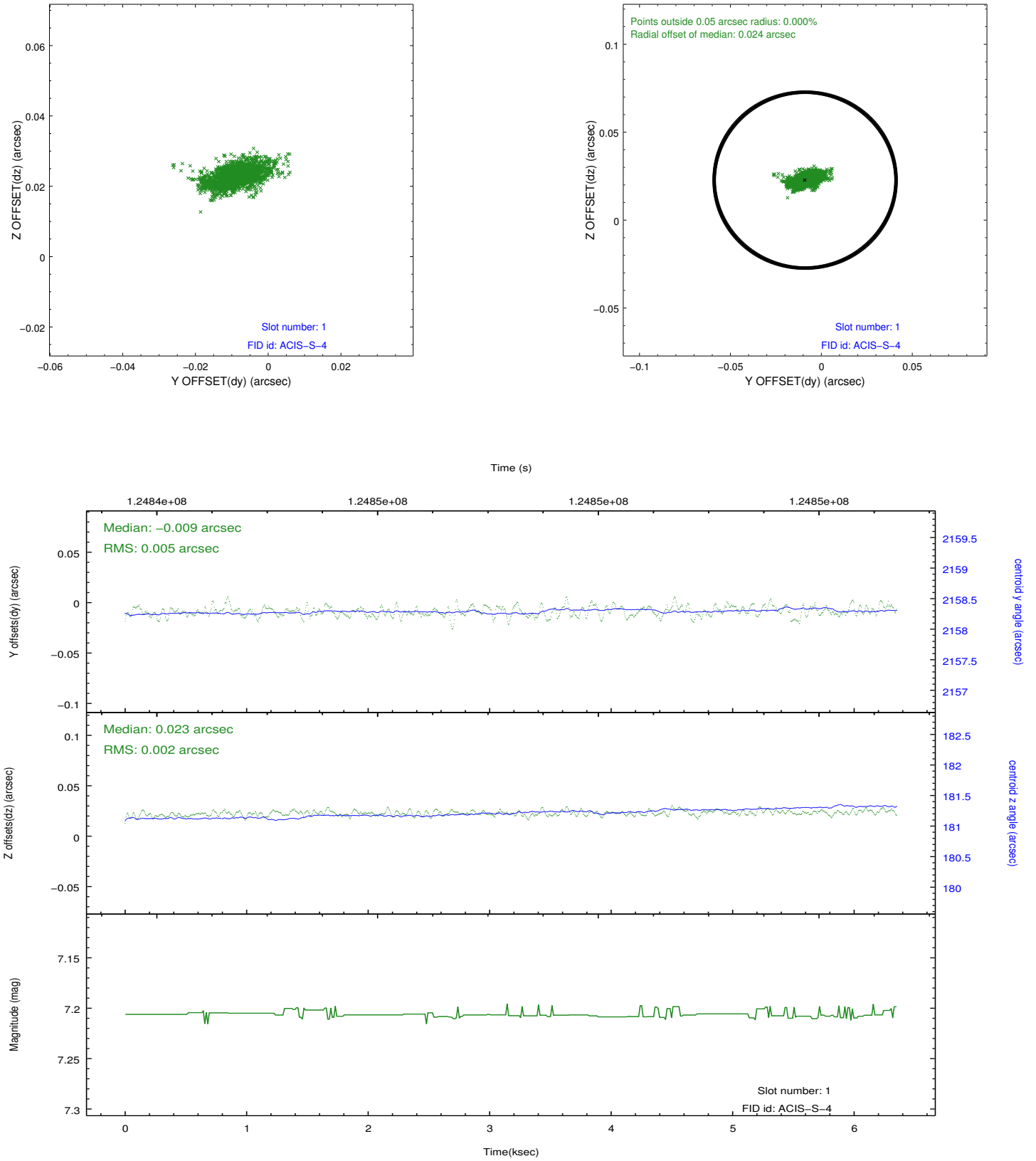


2.5 FID Slots

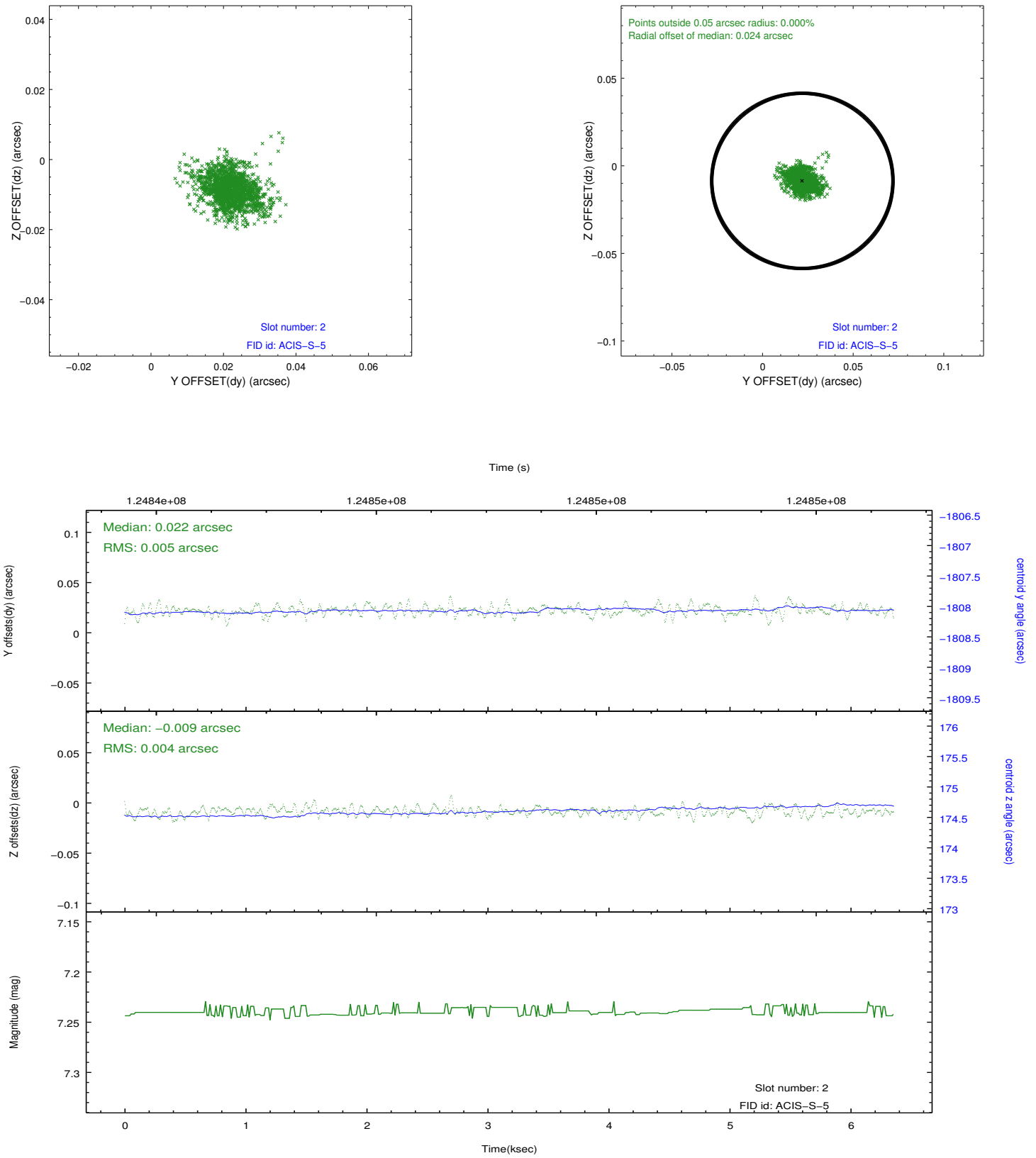
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.963

A.2 Comments