

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1827 - L2 Version 4
Chandra X-Ray Center

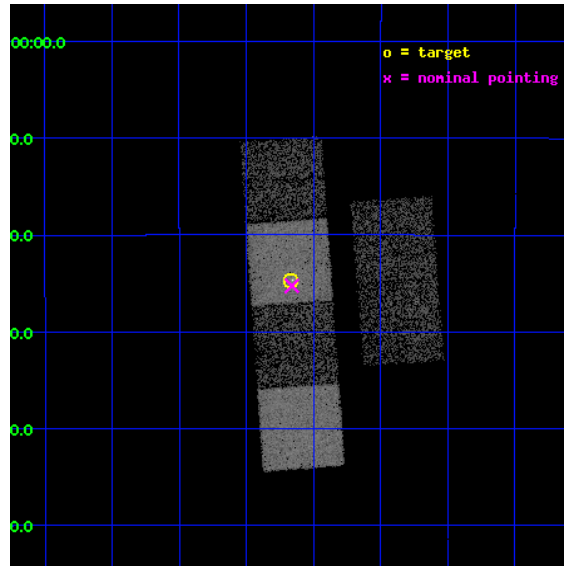
L2 Processing Date : Aug 30 2012

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1 Front

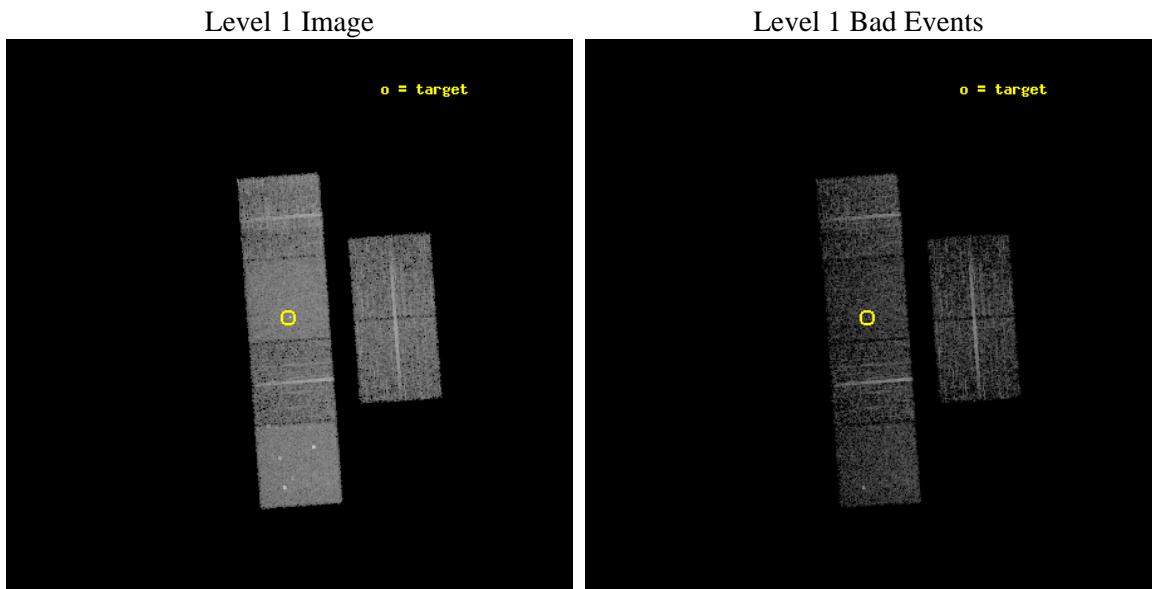
seq_num	500118	Sequence number
obs_id	1827	Observation id
title	THE SOFT GAMMA-RAY REPEATER SGR 1806-20	Proposal title
observer	Gautam Vasisht	Principal investigator
object	SGR 1806-20	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.168	Observer's specified target RA [deg]
dec_targ	-20.411417	Observer's specified target Dec [deg]
ra_nom	272.16525345881	Nominal RA [deg]
dec_nom	-20.421048153611	Nominal Dec [deg]
roll_nom	265.86076912632	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4952.6055944264	Sum of GTIs [s]
livetime	4889.8927202887	Livetime [s]
ontime2	4952.6466344297	Sum of GTIs [s]
ontime3	4952.4824744314	Sum of GTIs [s]
ontime5	4952.5645544231	Sum of GTIs [s]
ontime6	4952.5235144347	Sum of GTIs [s]
ontime7	4952.6055944264	Sum of GTIs [s]
ontime8	4952.4414344281	Sum of GTIs [s]
l2events	54529	Number of level 2 events



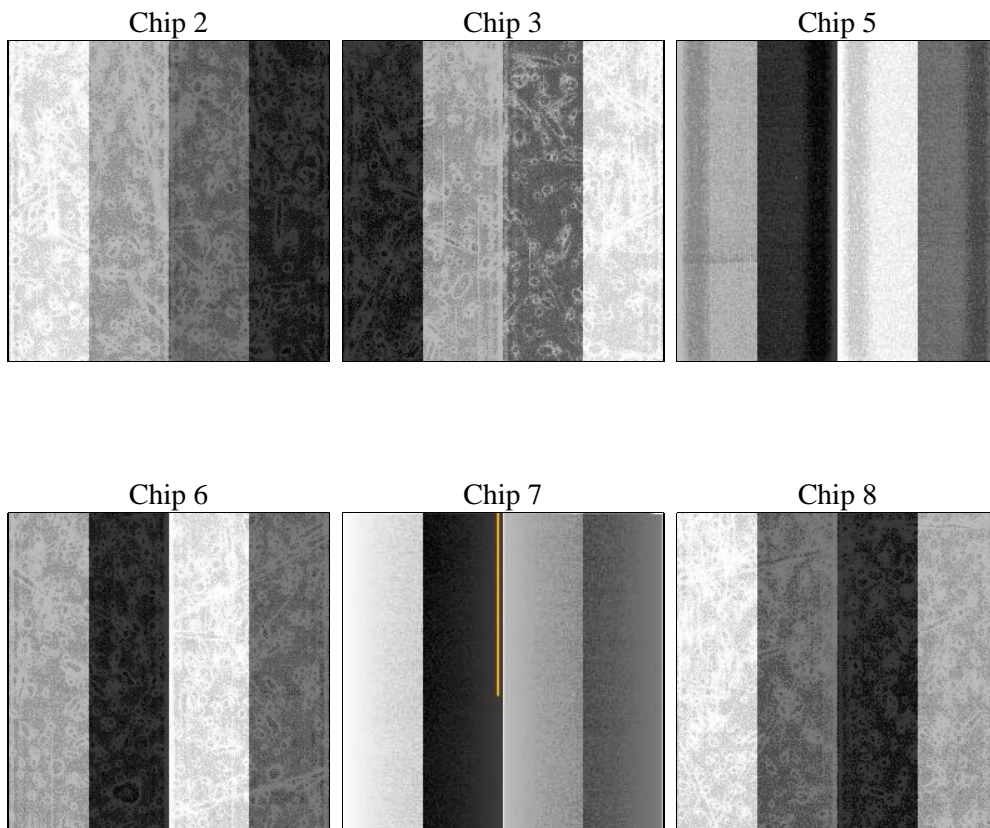
2 OBI

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	4952.6055944264	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4952.6466344297	Sum of GTIs [s]
date	2012-08-30T18:32:58	Date and time of file creation	ontime3	4952.4824744314	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4952.5645544231	Sum of GTIs [s]
			ontime6	4952.5235144347	Sum of GTIs [s]
			ontime7	4952.6055944264	Sum of GTIs [s]
			ontime8	4952.4414344281	Sum of GTIs [s]
			l1events	201339	Number of level 1 events

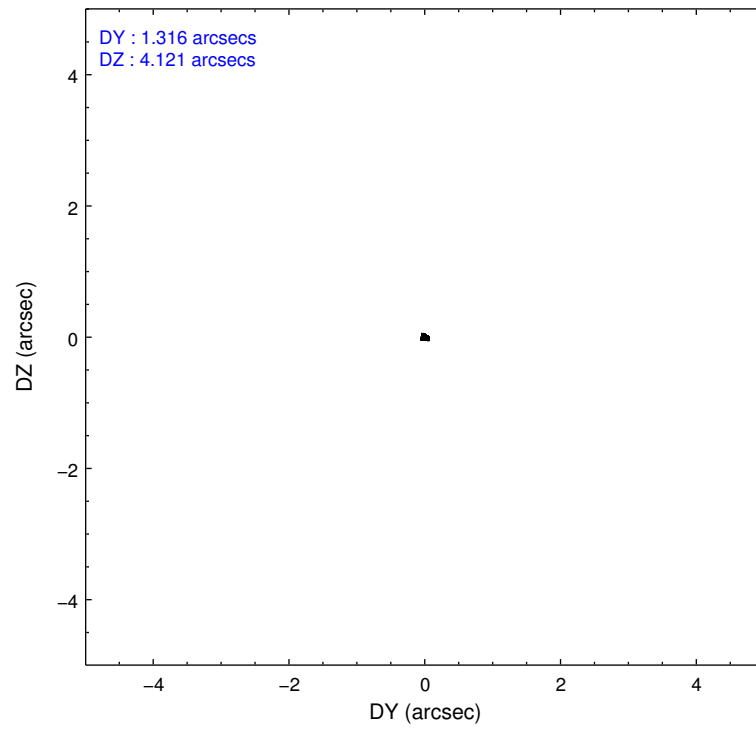
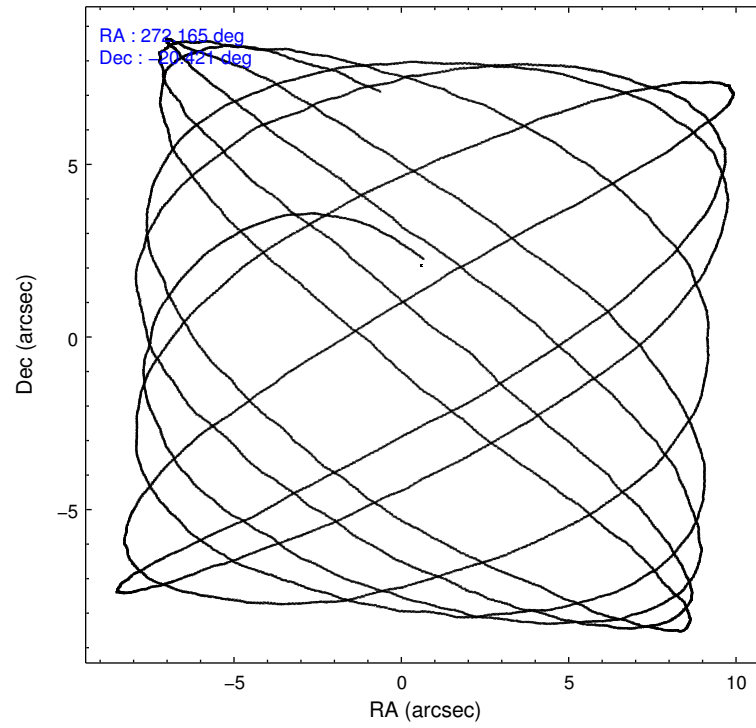
2.1.4 Events

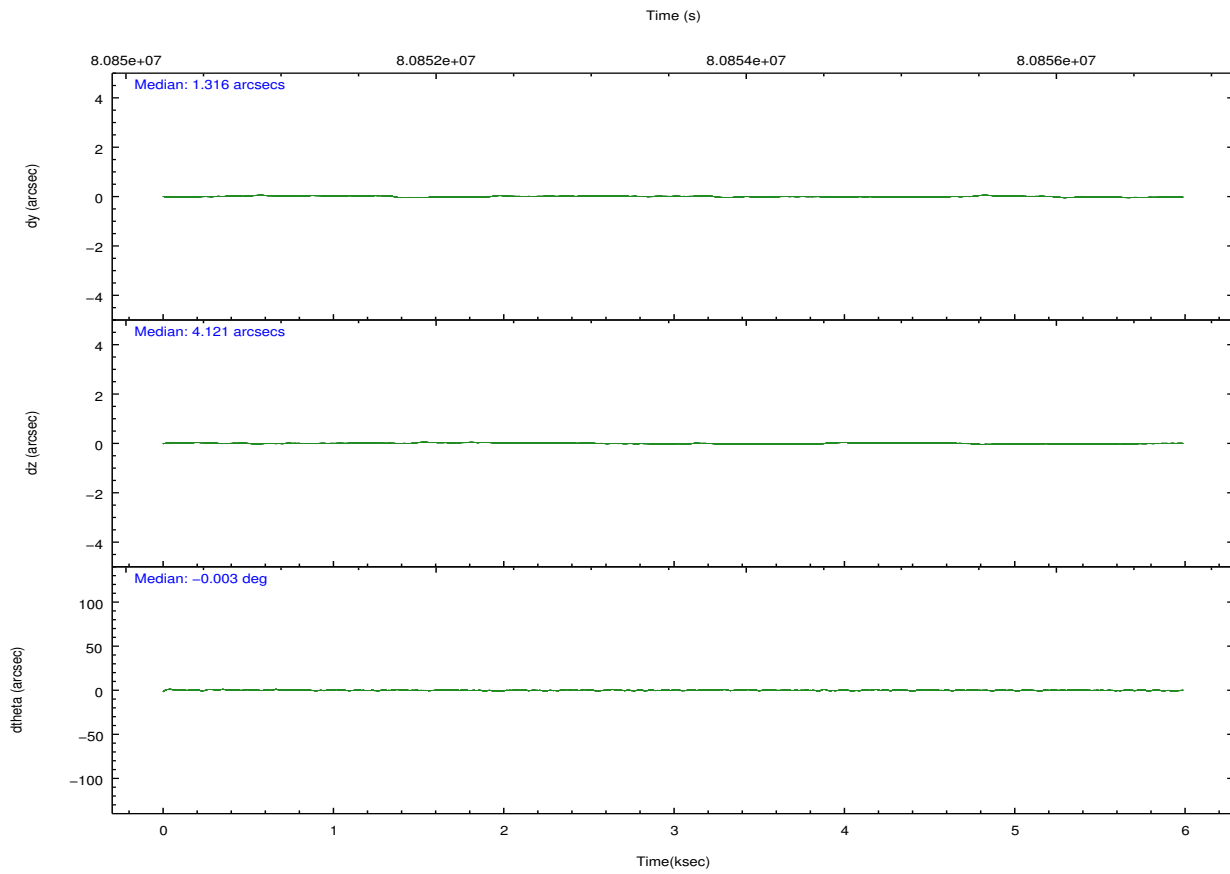
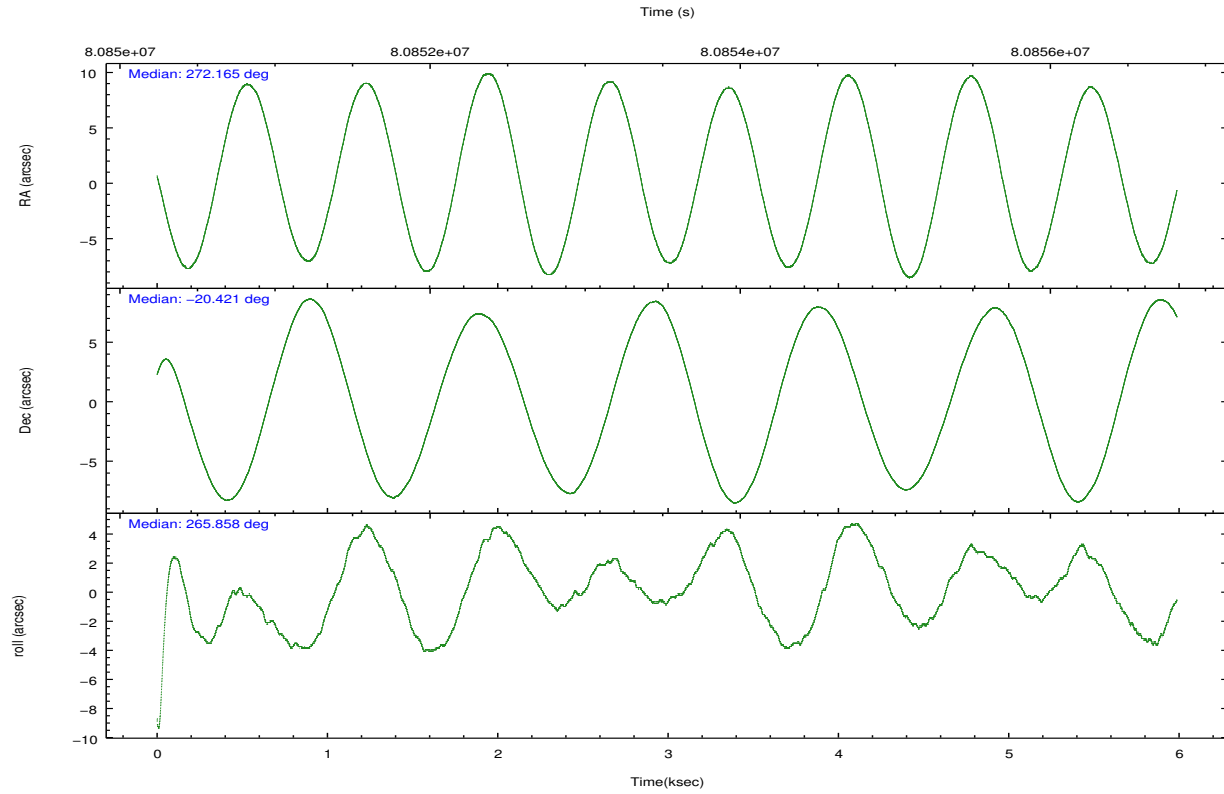
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27905	26701	43230	28041	40629	34833	grade 0 events	1666	1632	4031	1939	2496	2742
rejected events	24332	23218	20032	24062	19711	27016		5%	6%	9%	6%	6%	7%
rejected %	87%	86%	46%	85%	48%	77%	grade 1 events	14	5	57	16	49	17
								0%	0%	0%	0%	0%	0%
							grade 2 events	690	675	6480	719	4202	1476
								2%	2%	14%	2%	10%	4%
							grade 3 events	309	313	1147	327	1898	881
								1%	1%	2%	1%	4%	2%
							grade 4 events	296	297	1056	334	1903	830
								1%	1%	2%	1%	4%	2%
							grade 5 events	904	994	2870	1148	3235	1381
								3%	3%	6%	4%	7%	3%
							grade 6 events	617	571	10512	670	10453	1913
								2%	2%	24%	2%	25%	5%
							grade 7 events	23409	22214	17077	22888	16393	25593
								83%	83%	39%	81%	40%	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	272.152433	272.1652534588113	Subarray requested	NONE	NONE
[deg] Pointing Dec	-20.396447	-20.42104815361083	Alternating exposures requested	N	N
[deg] Pointing Roll	265.699687	265.8607691263173	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	80851524.184000	80850166.465666			
Observation start date	2000-07-24T18:44:20	2000-07-24T18:22:46			
[s] Observation end time (MET)	80856524.184000	80857001.67842001			
Observation end date	2000-07-24T20:07:40	2000-07-24T20:16:41			
Read mode	TIMED	TIMED			

2.3 Aspect



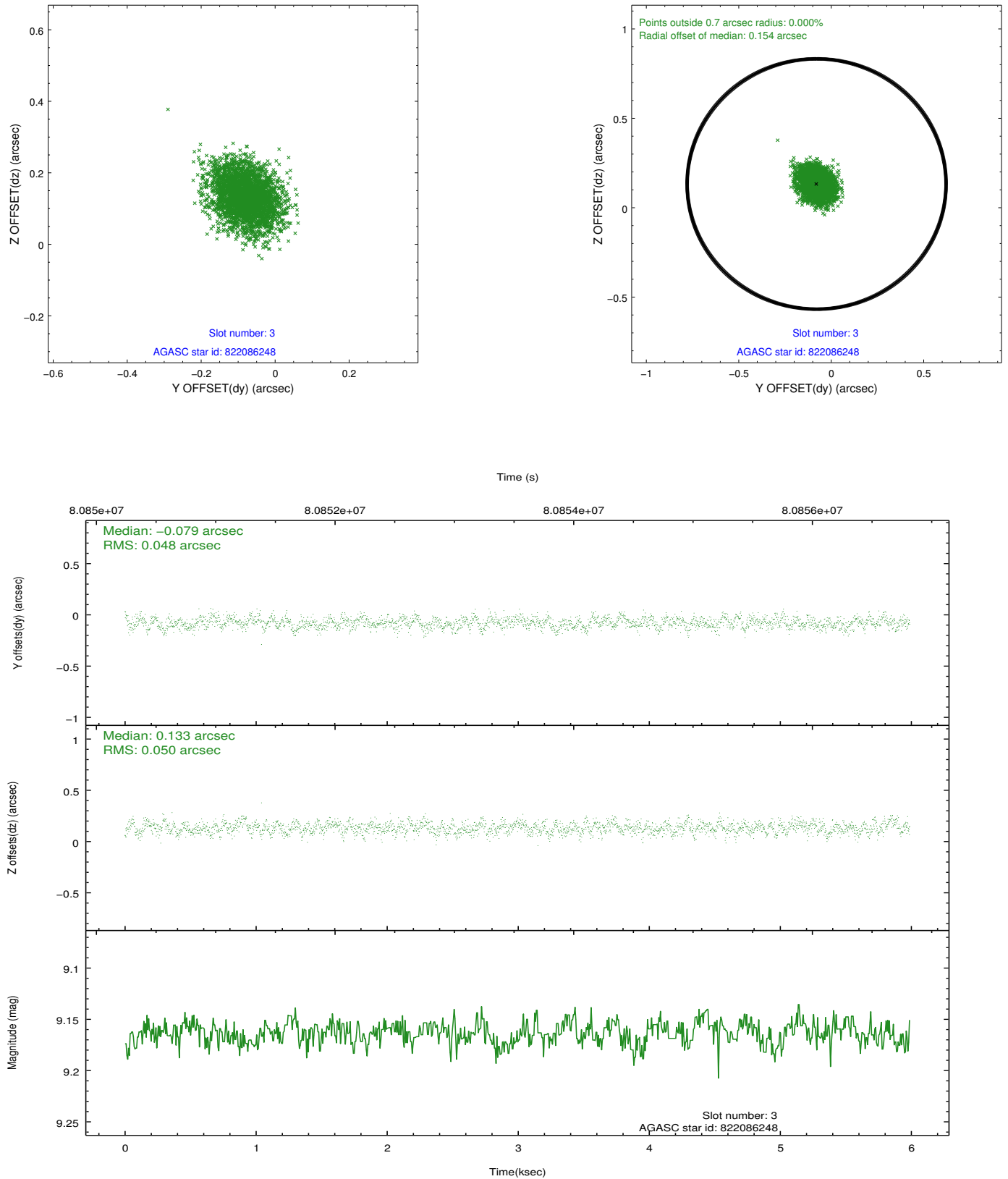


Slot Statistics

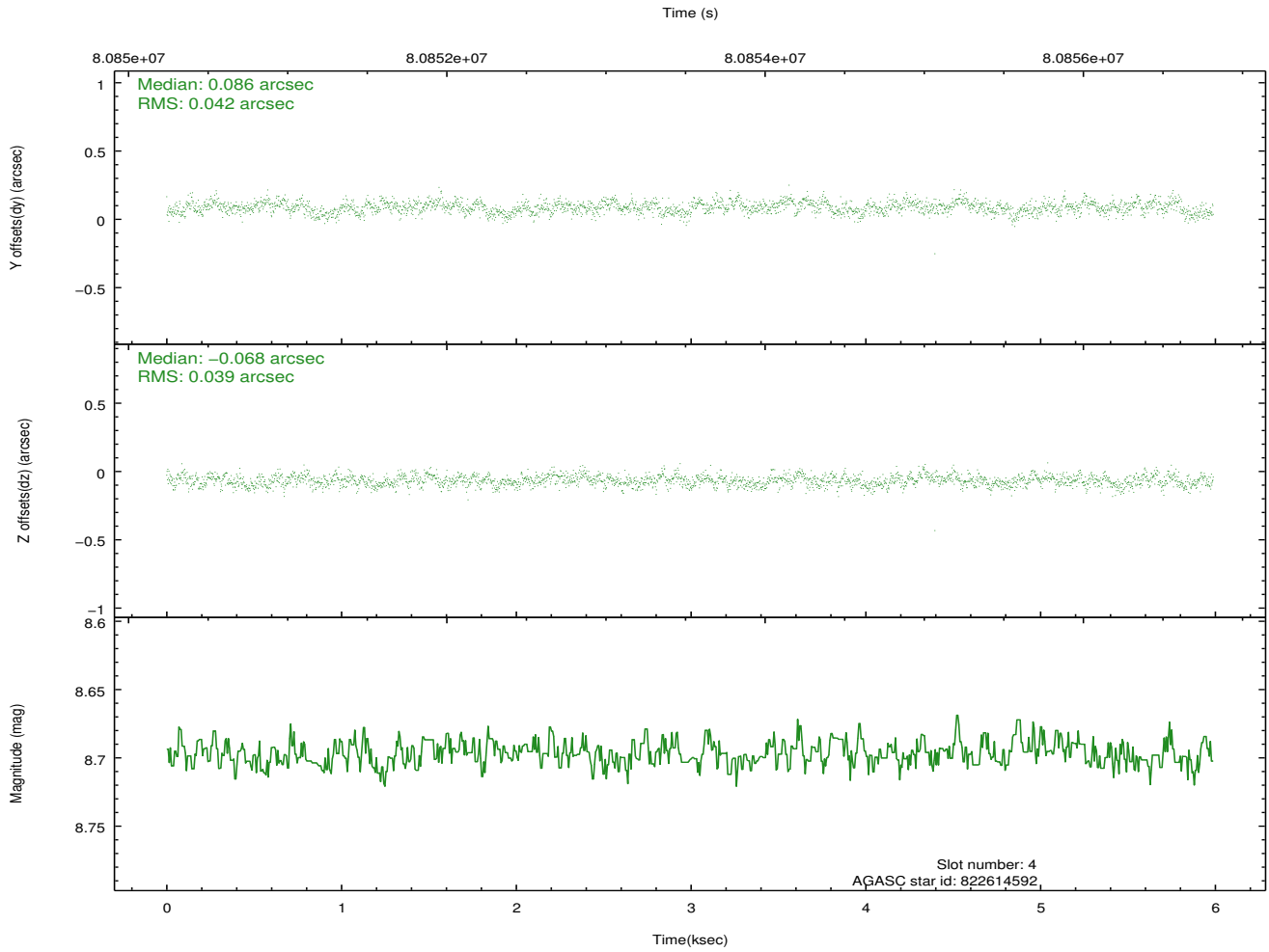
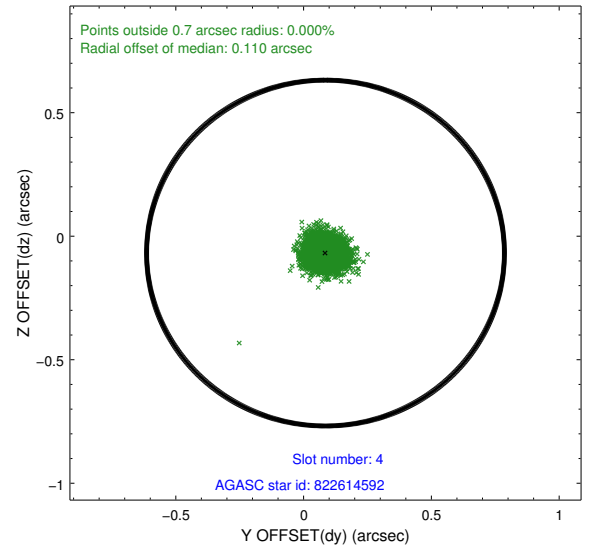
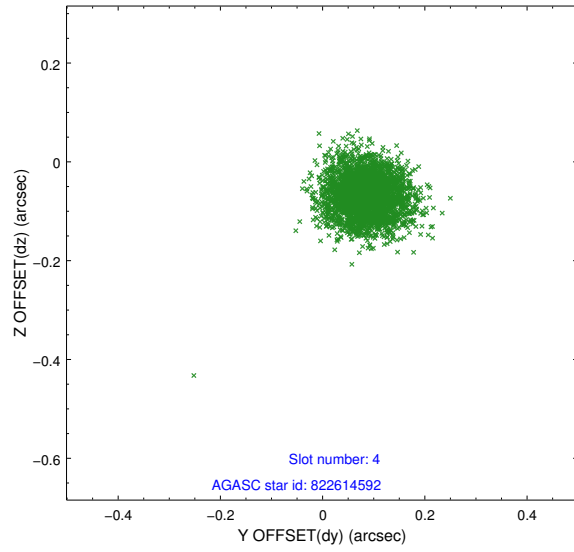
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1461	-0.017	-0.010	0.007	0.011	0.000000	0.000000	-753.95	-1725.10
1	FID	ACIS-S-4	7.21	1461	-0.013	0.011	0.005	0.010	0.000000	0.000000	2158.91	182.34
2	FID	ACIS-S-5	7.23	1461	-0.001	0.007	0.006	0.010	0.000000	0.000000	-1805.48	177.19
3	GUIDE	822086248	9.16	2922	-0.079	0.133	0.074	0.120	272.549563	-20.462464	139.26	1354.05
4	GUIDE	822614592	8.70	2920	0.086	-0.068	0.061	0.098	272.240676	-20.628542	812.33	359.83
5	GUIDE	822616024	8.43	2921	0.124	0.016	0.053	0.085	272.218514	-20.919122	1861.35	363.23
6	GUIDE	822102232	8.80	2921	-0.058	-0.015	0.064	0.103	272.350923	-20.034935	-1345.94	572.21
7	GUIDE	820399496	8.34	2920	-0.071	-0.062	0.079	0.123	271.495152	-19.953854	-1416.91	-2336.76

2.4 Star Slots

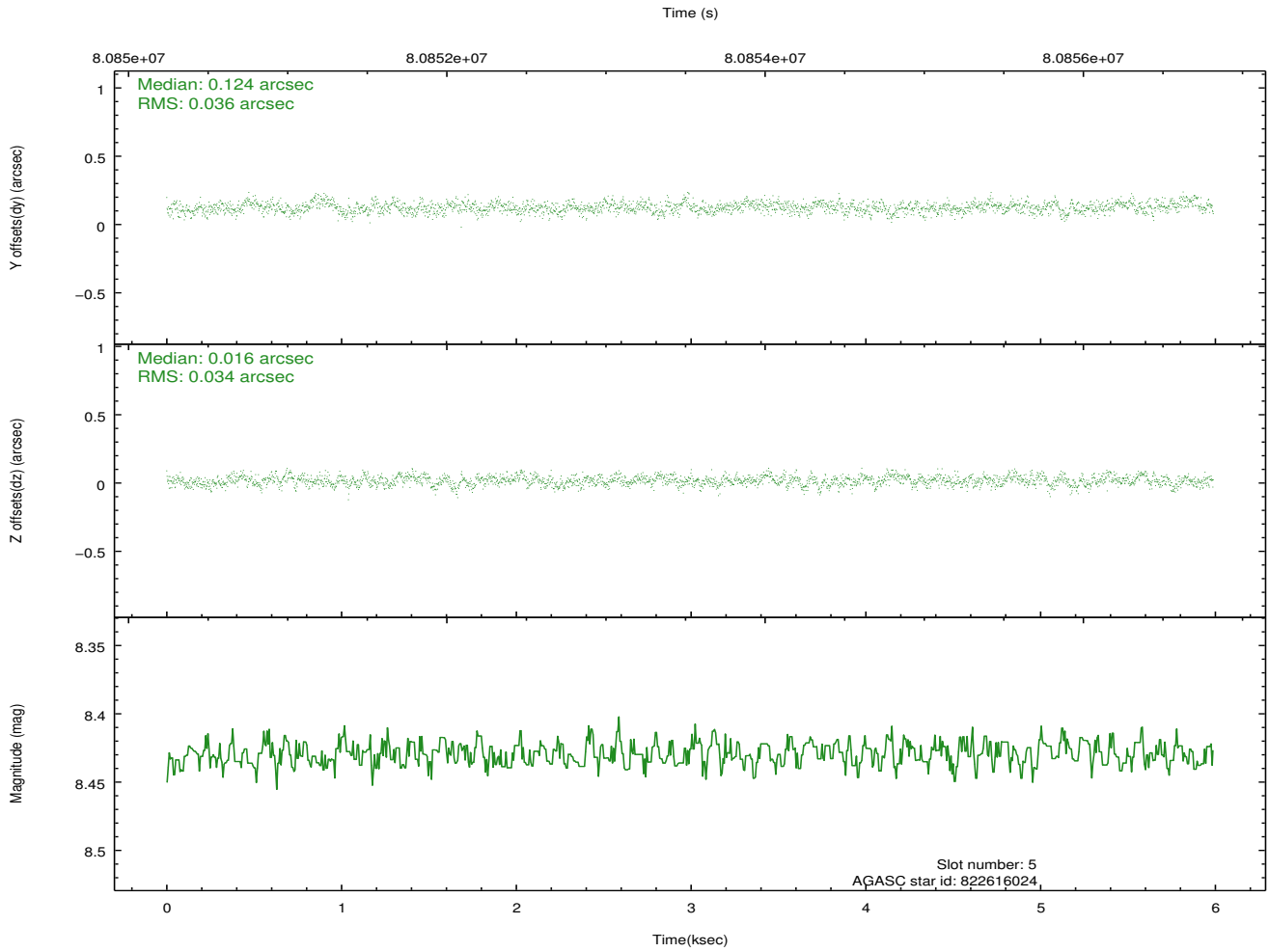
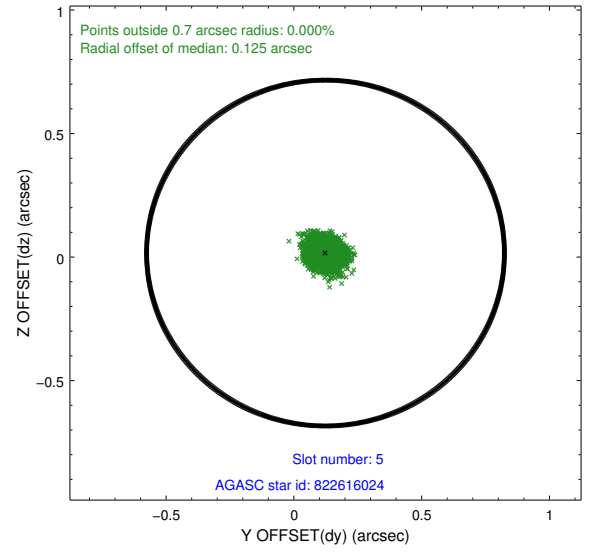
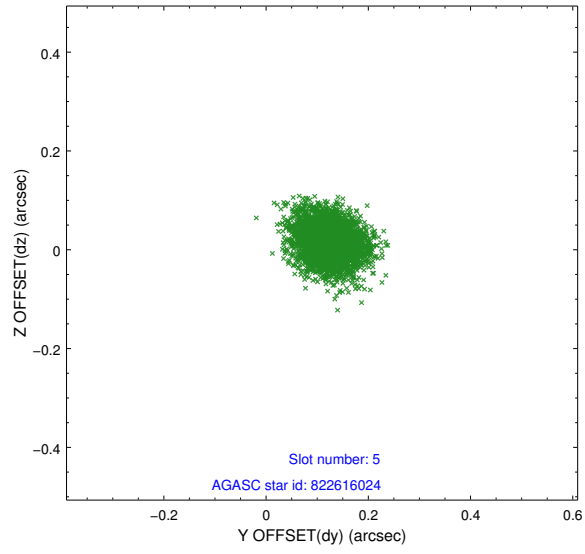
2.4.1 Slot 3



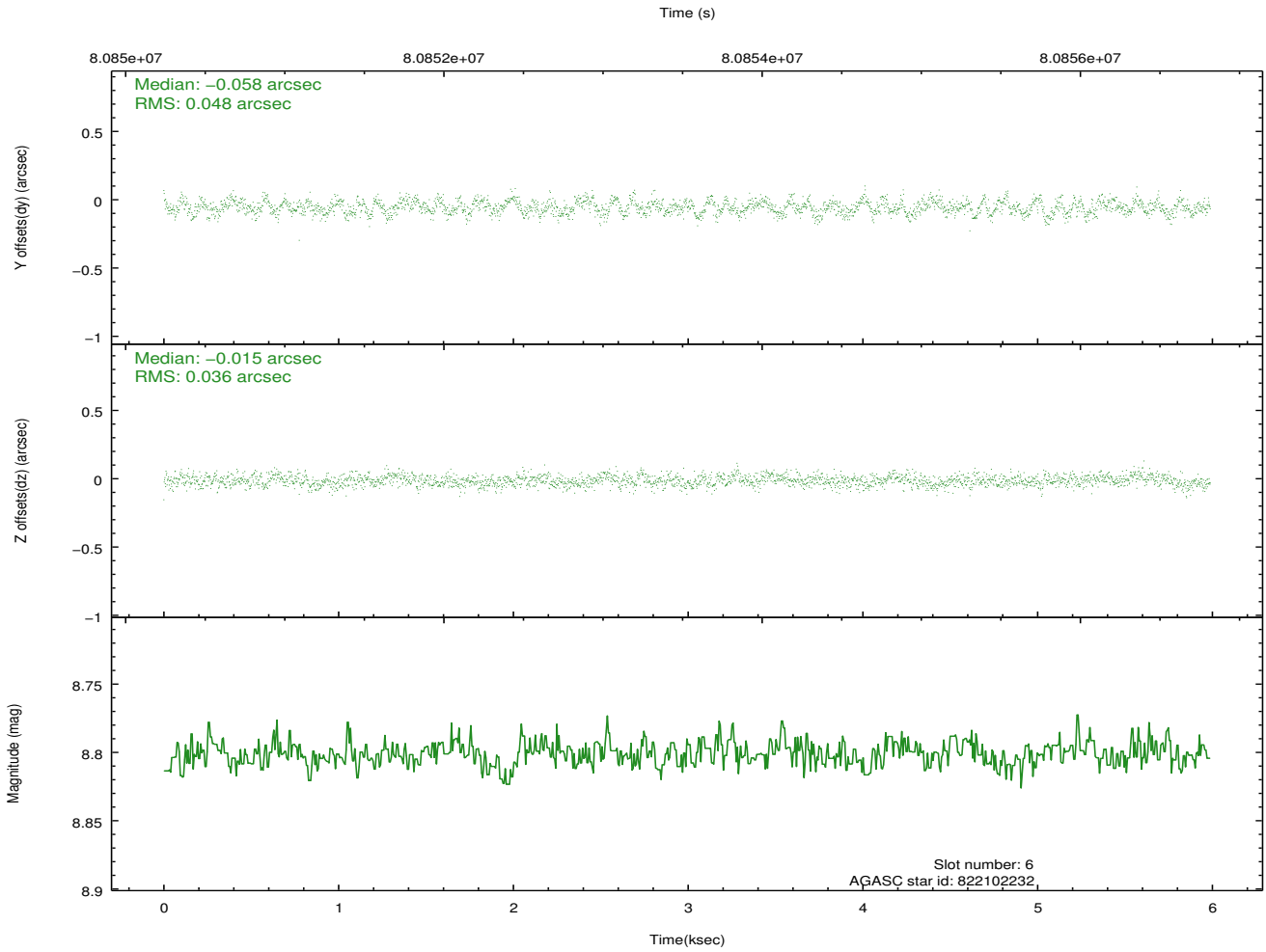
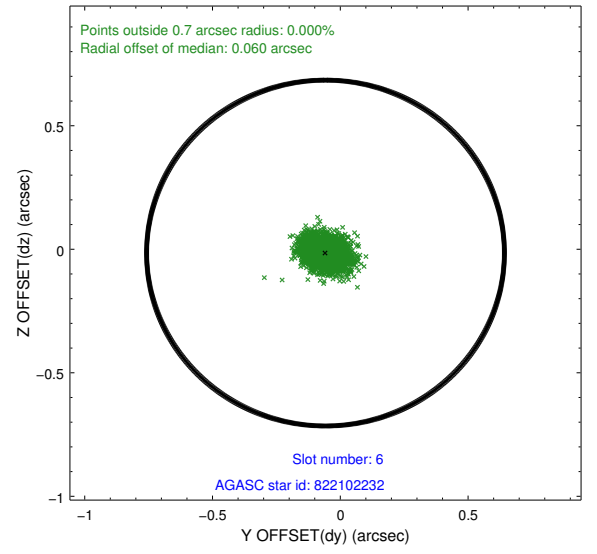
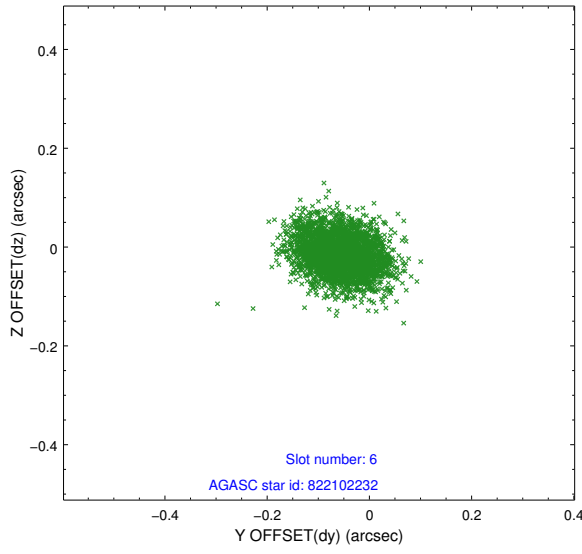
2.4.2 Slot 4



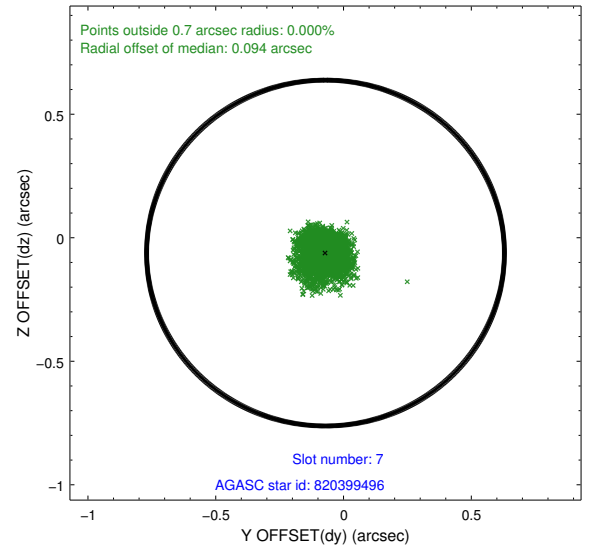
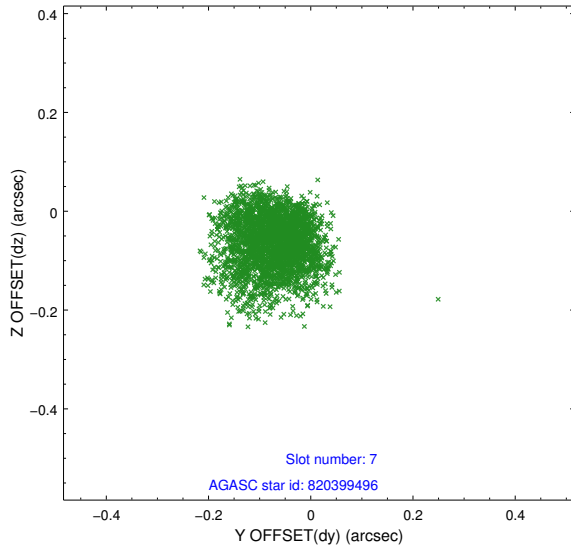
2.4.3 Slot 5



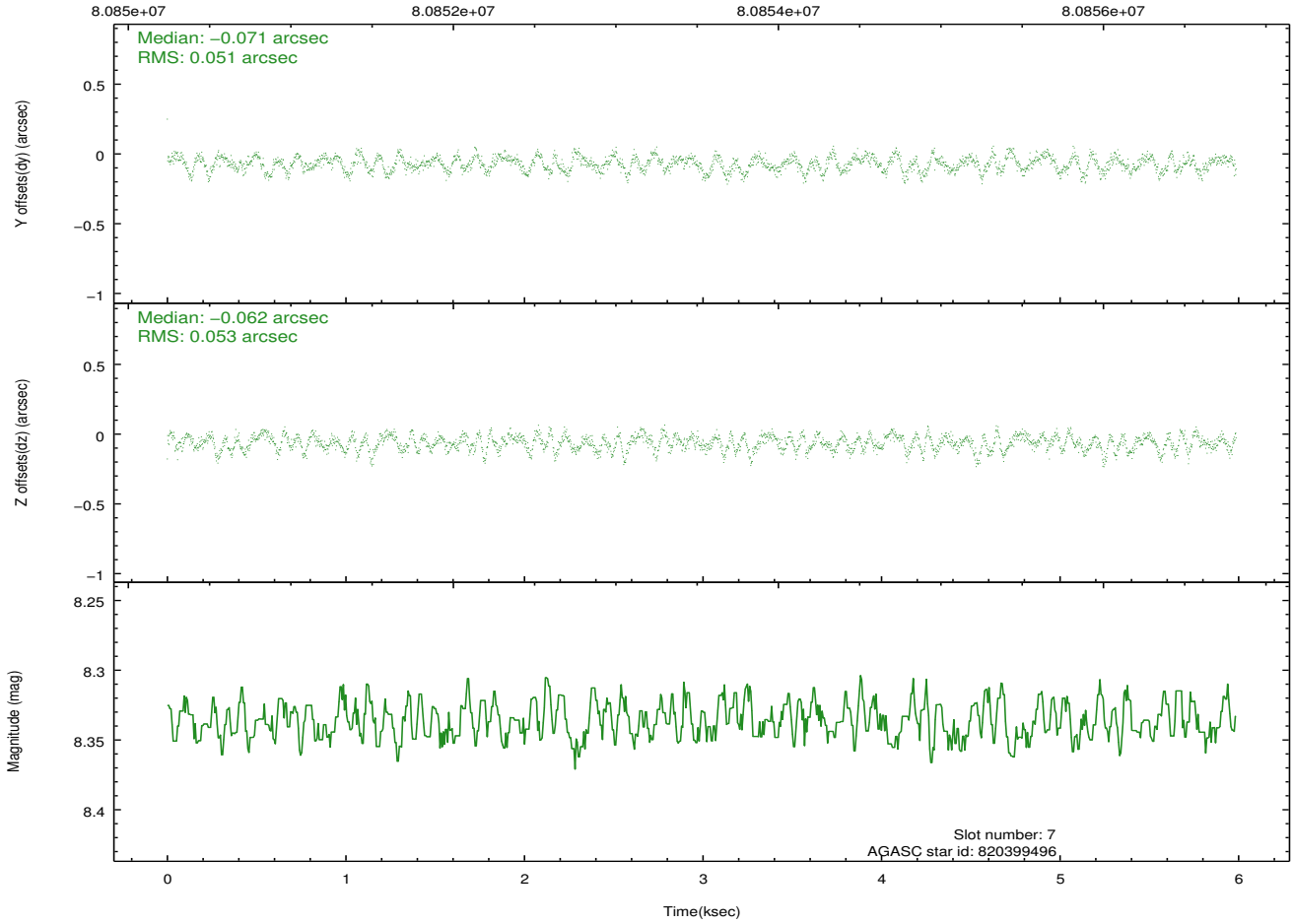
2.4.4 Slot 6



2.4.5 Slot 7

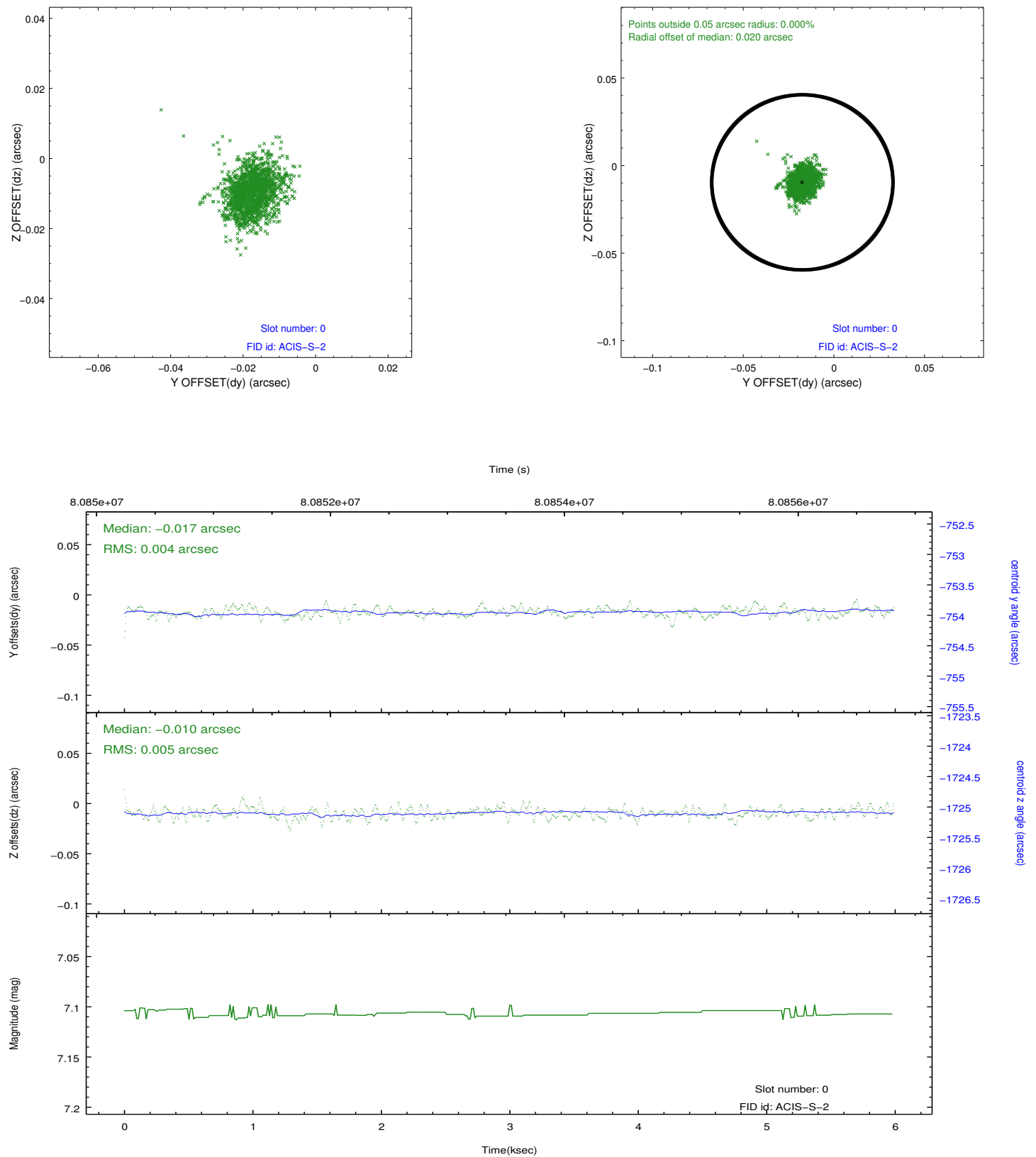


Time (s)

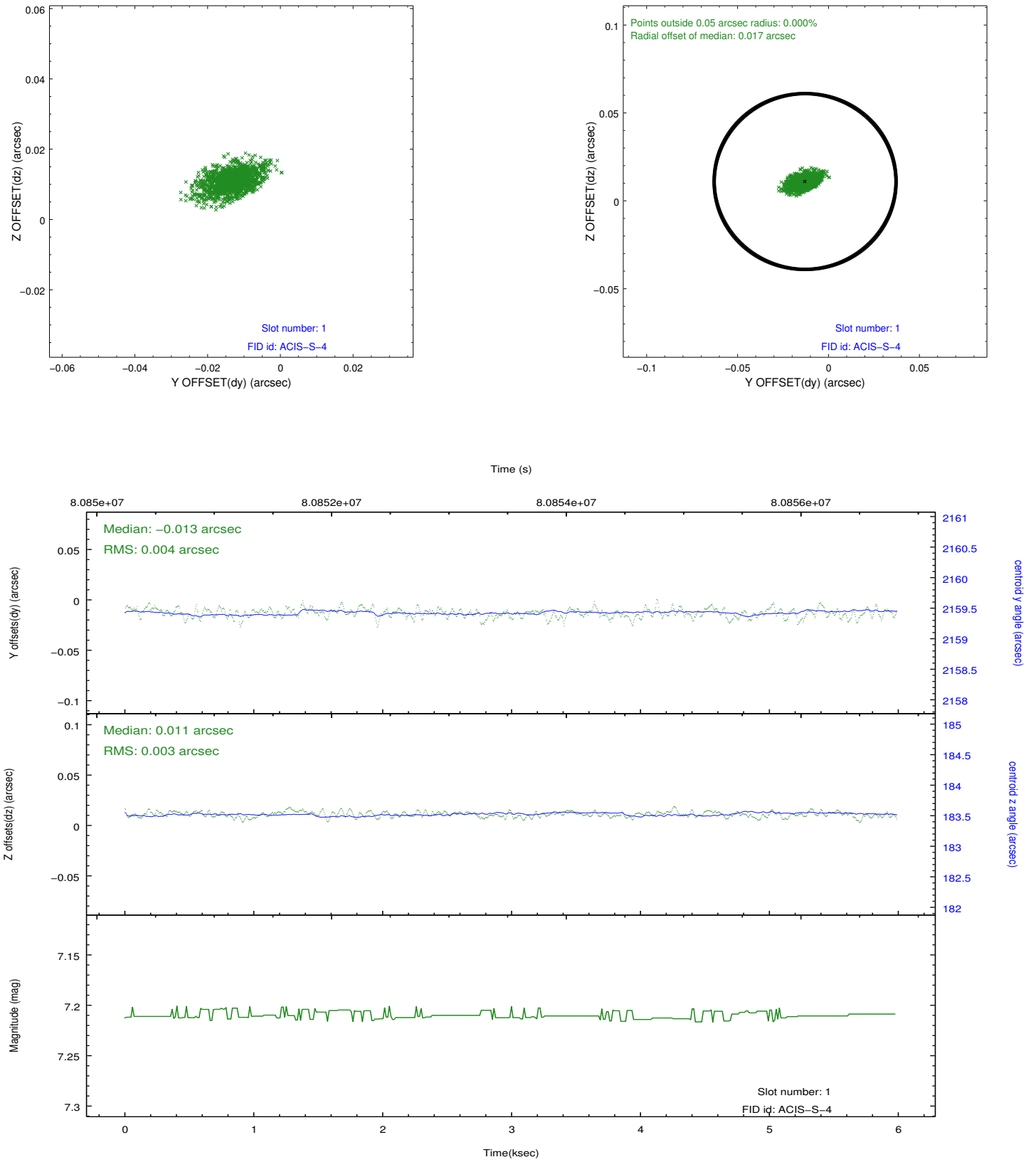


2.5 FID Slots

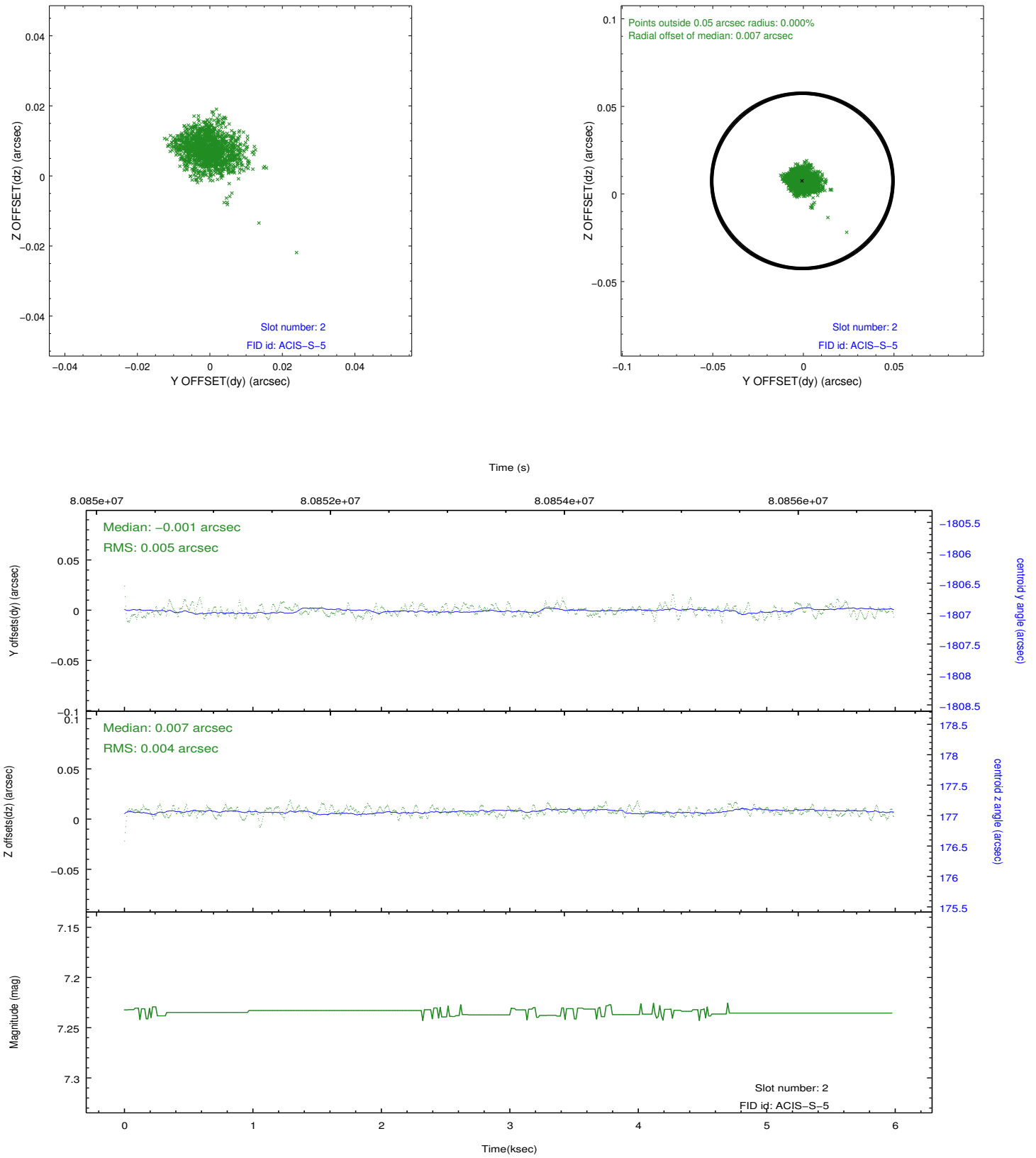
2.5.1 Slot 0



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)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.956

A.2 Comments