

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6700 - L2 Version 2
Chandra X-Ray Center

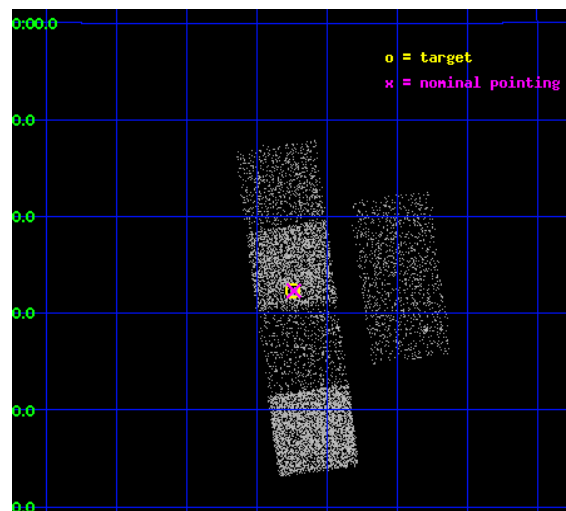
L2 Processing Date : Apr 7 2012

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1 Front

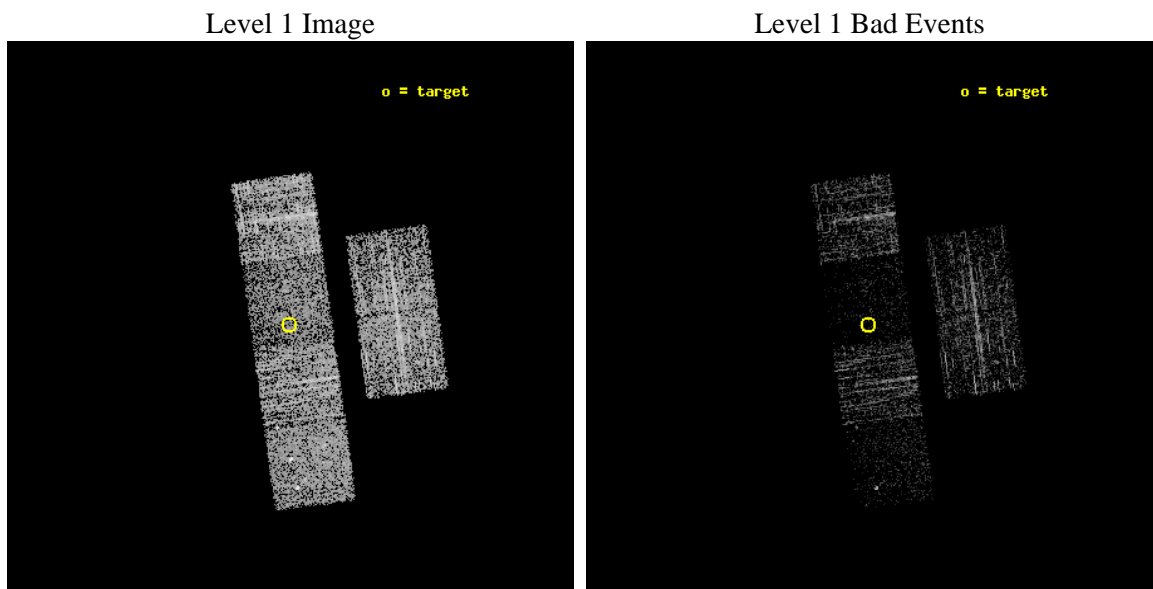
seq_num	500651	Sequence number
obs_id	6700	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J141944.5+113222	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.935417	Observer's specified target RA [deg]
dec_targ	11.539583	Observer's specified target Dec [deg]
ra_nom	214.93381869934	Nominal RA [deg]
dec_nom	11.538749005528	Nominal Dec [deg]
roll_nom	262.13321133562	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1542.3999943137	Sum of GTIs [s]
livetime	1522.8691968639	Livetime [s]
ontime2	1542.3999943137	Sum of GTIs [s]
ontime3	1542.3999943137	Sum of GTIs [s]
ontime5	1542.3999943137	Sum of GTIs [s]
ontime6	1542.3999943137	Sum of GTIs [s]
ontime7	1542.3999943137	Sum of GTIs [s]
ontime8	1542.3999943137	Sum of GTIs [s]
l2events	10514	Number of level 2 events



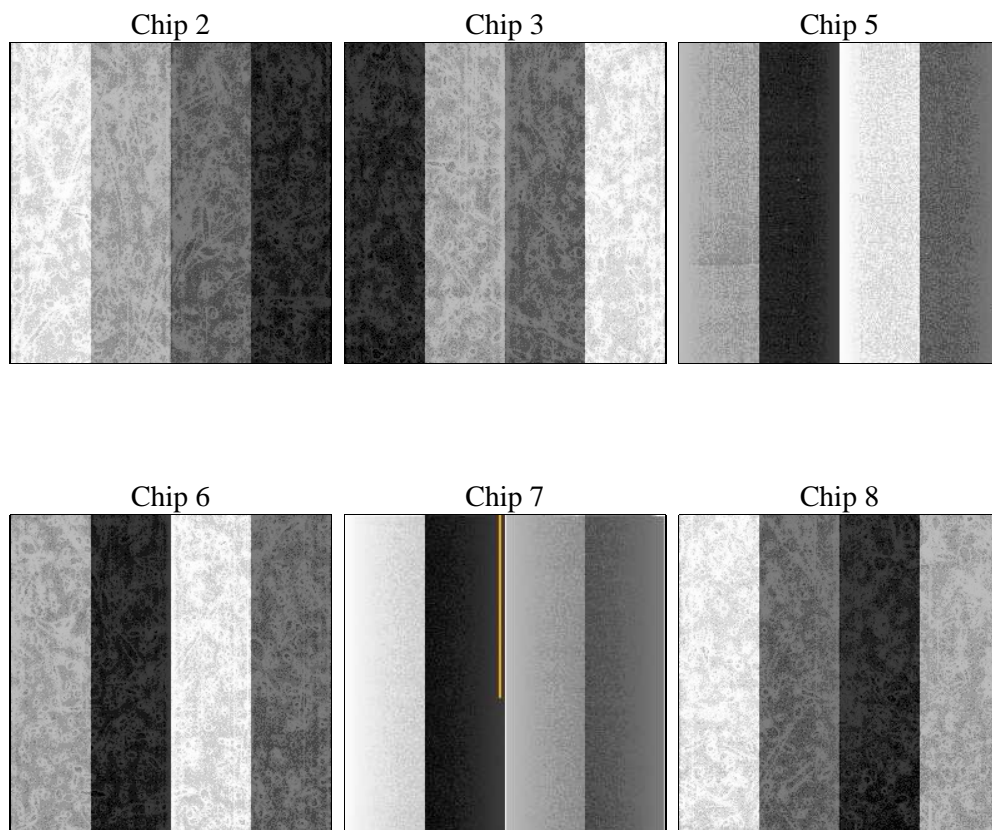
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1542.3999943137	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1542.3999943137	Sum of GTIs [s]
date	2012-04-07T23:50:10	Date and time of file creation	ontime3	1542.3999943137	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1542.3999943137	Sum of GTIs [s]
			ontime6	1542.3999943137	Sum of GTIs [s]
			ontime7	1542.3999943137	Sum of GTIs [s]
			ontime8	1542.3999943137	Sum of GTIs [s]
			l1events	54619	Number of level 1 events

2.1.4 Events

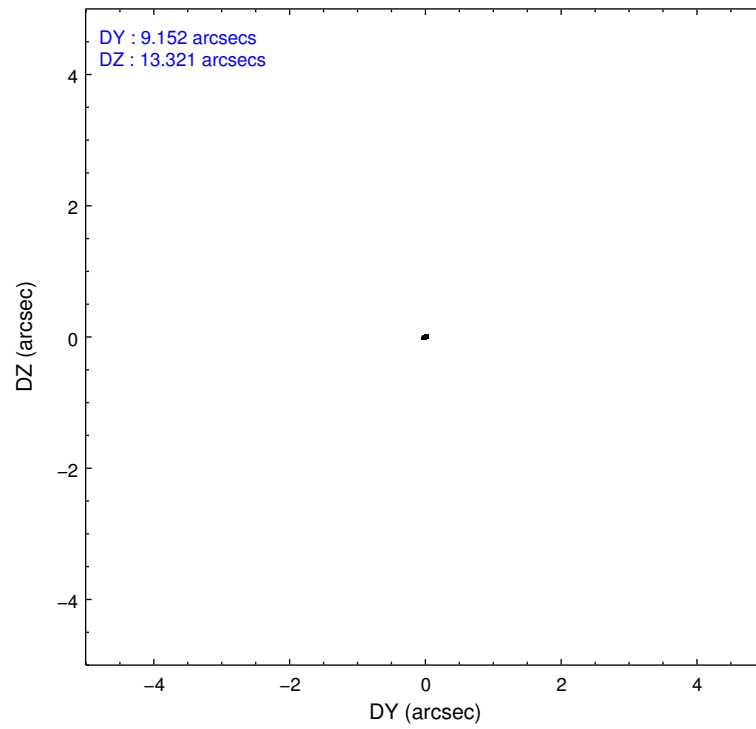
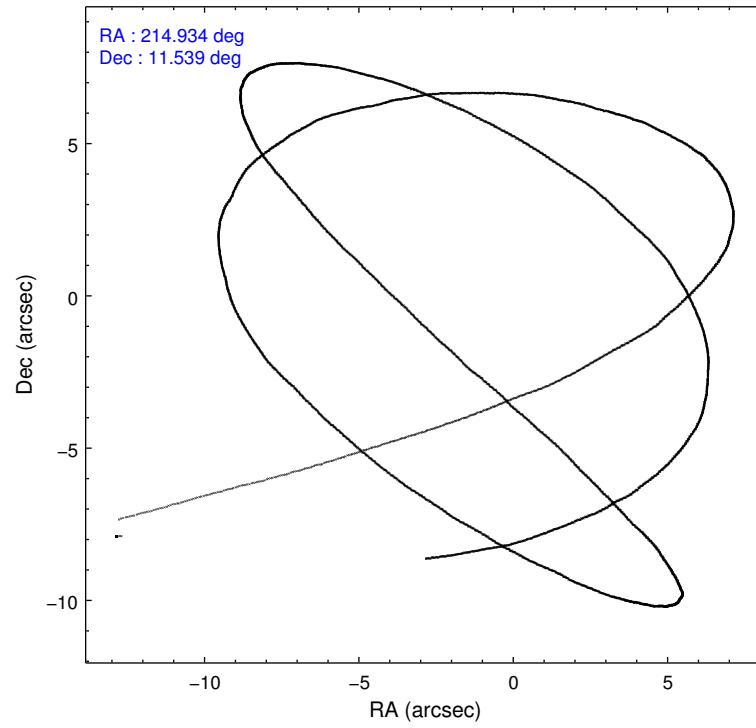
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10248	8542	8549	9693	5352	12235
rejected events	9339	7794	3231	8837	2137	9255
rejected %	91%	91%	37%	91%	39%	75%

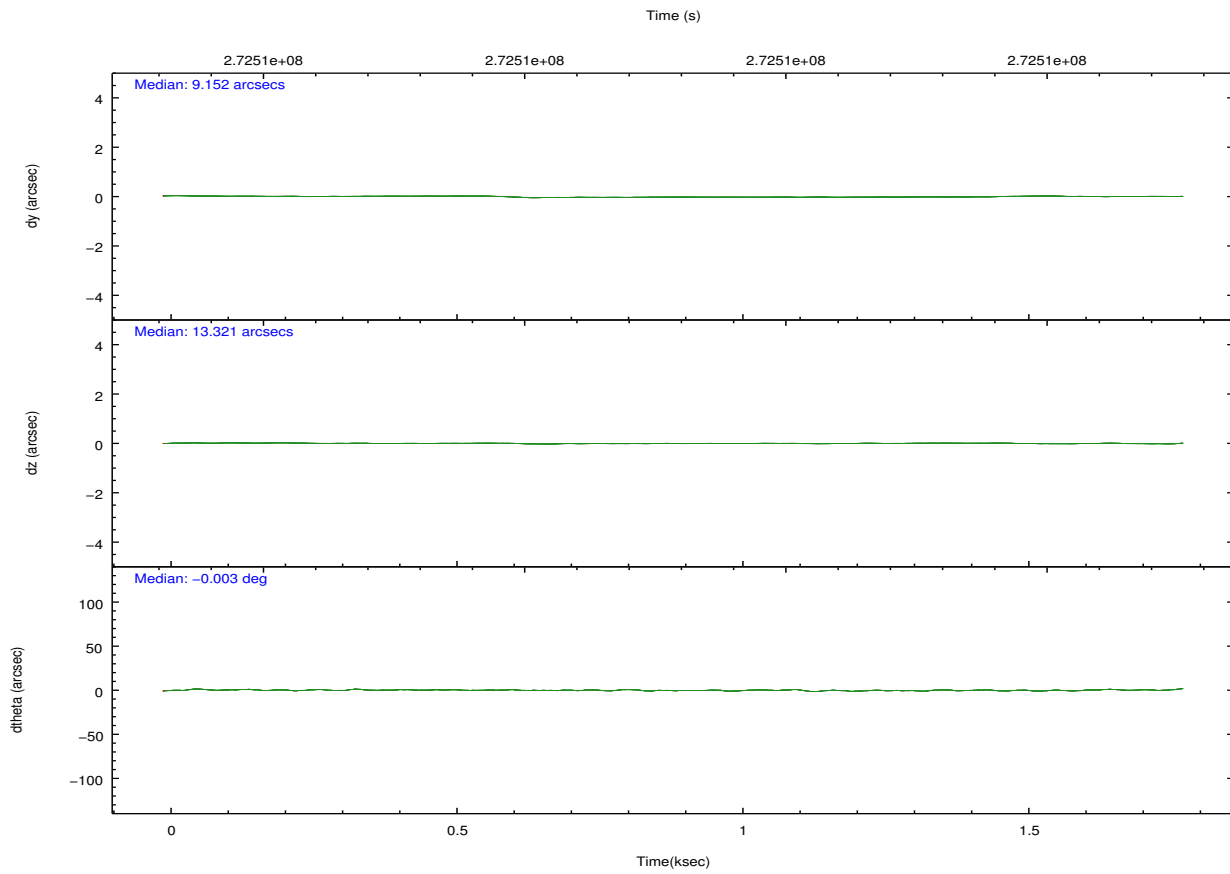
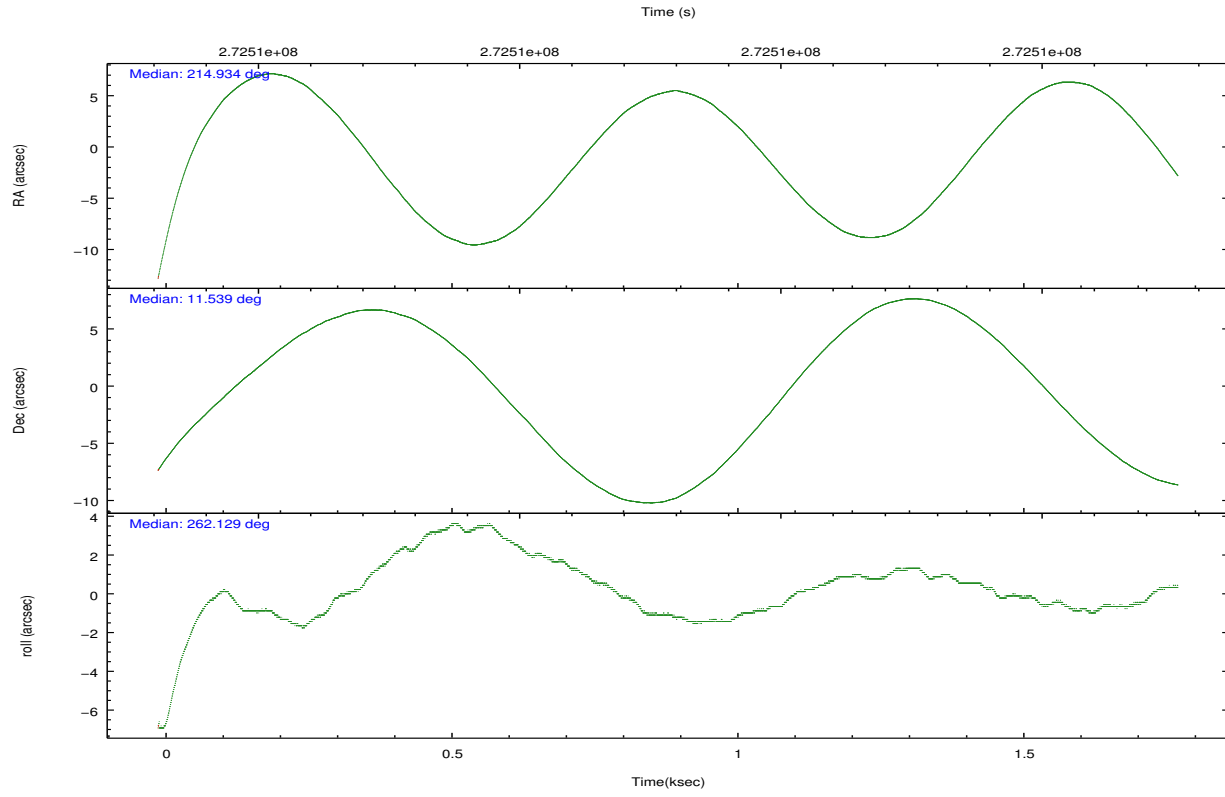
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	377	328	942	365	471	784
	3%	3%	11%	3%	8%	6%
grade 1 events	9	6	34	7	14	8
	0%	0%	0%	0%	0%	0%
grade 2 events	214	134	1701	181	761	725
	2%	1%	19%	1%	14%	5%
grade 3 events	94	81	281	91	333	310
	0%	0%	3%	0%	6%	2%
grade 4 events	111	84	276	76	385	299
	1%	0%	3%	0%	7%	2%
grade 5 events	139	160	697	195	536	298
	1%	1%	8%	2%	10%	2%
grade 6 events	117	124	2141	147	1273	902
	1%	1%	25%	1%	23%	7%
grade 7 events	9187	7625	2477	8631	1579	8909
	89%	89%	28%	89%	29%	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	214.922739	214.9338186993356	Subarray requested	NONE	NONE
[deg] Pointing Dec	11.563662	11.53874900552845	Alternating exposures requested	N	N
[deg] Pointing Roll	261.978894	262.1332113356194	[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)	272508174.184000	272507114.65068			
Observation start date	2006-08-21T00:41:49	2006-08-21T00:25:14			
[s] Observation end time (MET)	272509674.184000	272510458.20083			
Observation end date	2006-08-21T01:06:49	2006-08-21T01:20:58			
Read mode	TIMED	TIMED			

2.3 Aspect



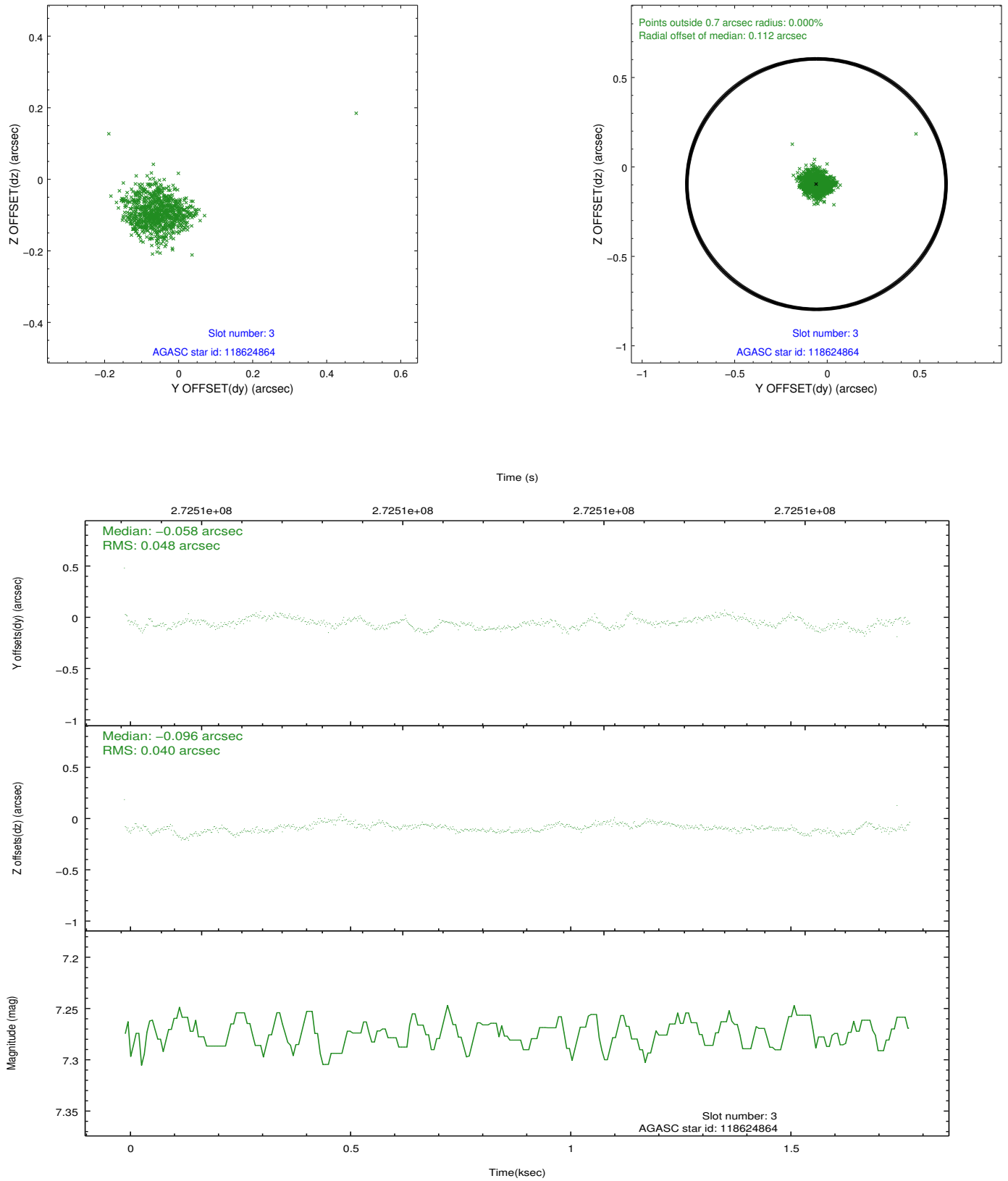


Slot Statistics

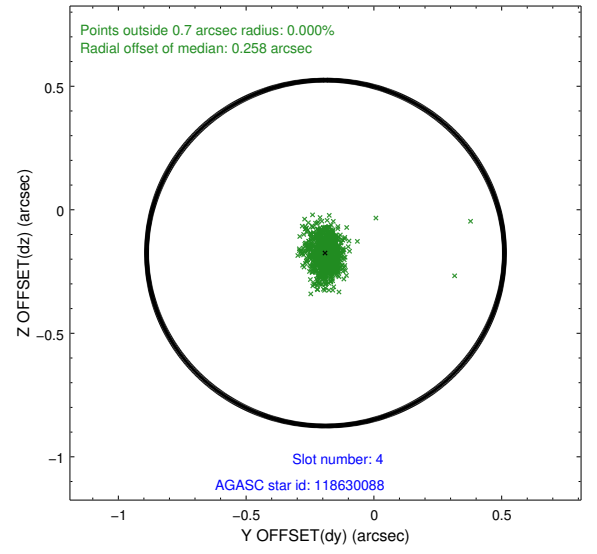
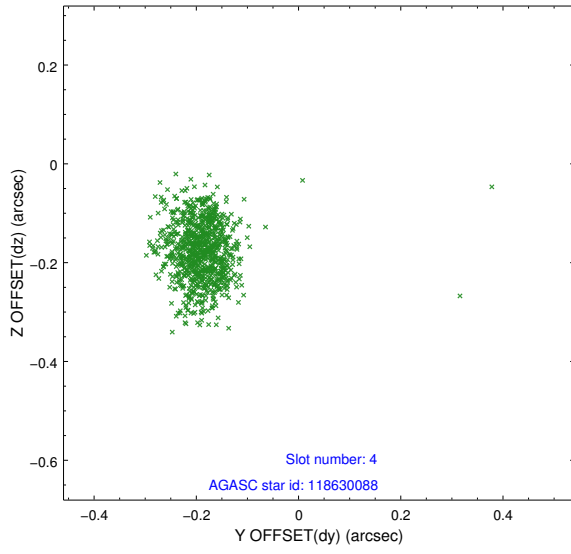
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	436	0.031	-0.047	0.006	0.012	0.000000	0.000000	-761.95	-1734.59
1	FID	ACIS-S-5	7.24	435	-0.112	0.046	0.006	0.010	0.000000	0.000000	-1816.86	163.66
2	FID	ACIS-S-6	7.35	436	0.056	0.009	0.006	0.011	0.000000	0.000000	395.72	811.69
3	GUIDE	118624864	7.27	871	-0.058	-0.096	0.064	0.097	214.403642	11.335239	1069.59	-1700.83
4	GUIDE	118630088	8.30	871	-0.189	-0.175	0.074	0.124	214.436290	12.181551	-1962.99	-2008.59
5	GUIDE	119541520	8.08	871	0.382	0.068	0.070	0.107	215.367118	11.642152	-500.53	1508.98
6	GUIDE	119547504	9.35	867	-0.170	-0.041	0.162	0.238	215.503331	11.330521	543.41	2147.05
7	GUIDE	119545432	8.16	870	0.041	0.231	0.087	0.125	215.326590	10.837511	2389.97	1781.07

2.4 Star Slots

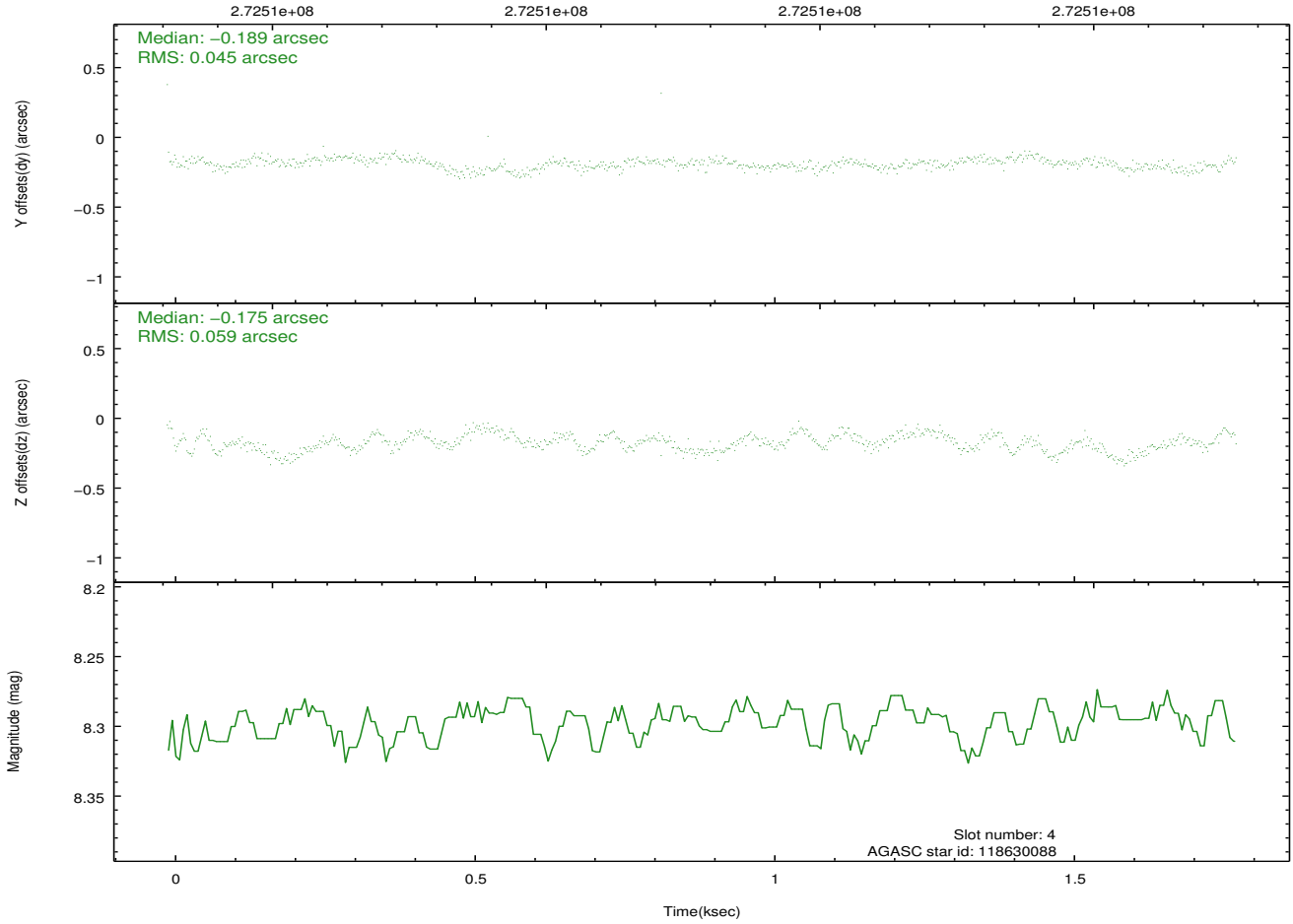
2.4.1 Slot 3



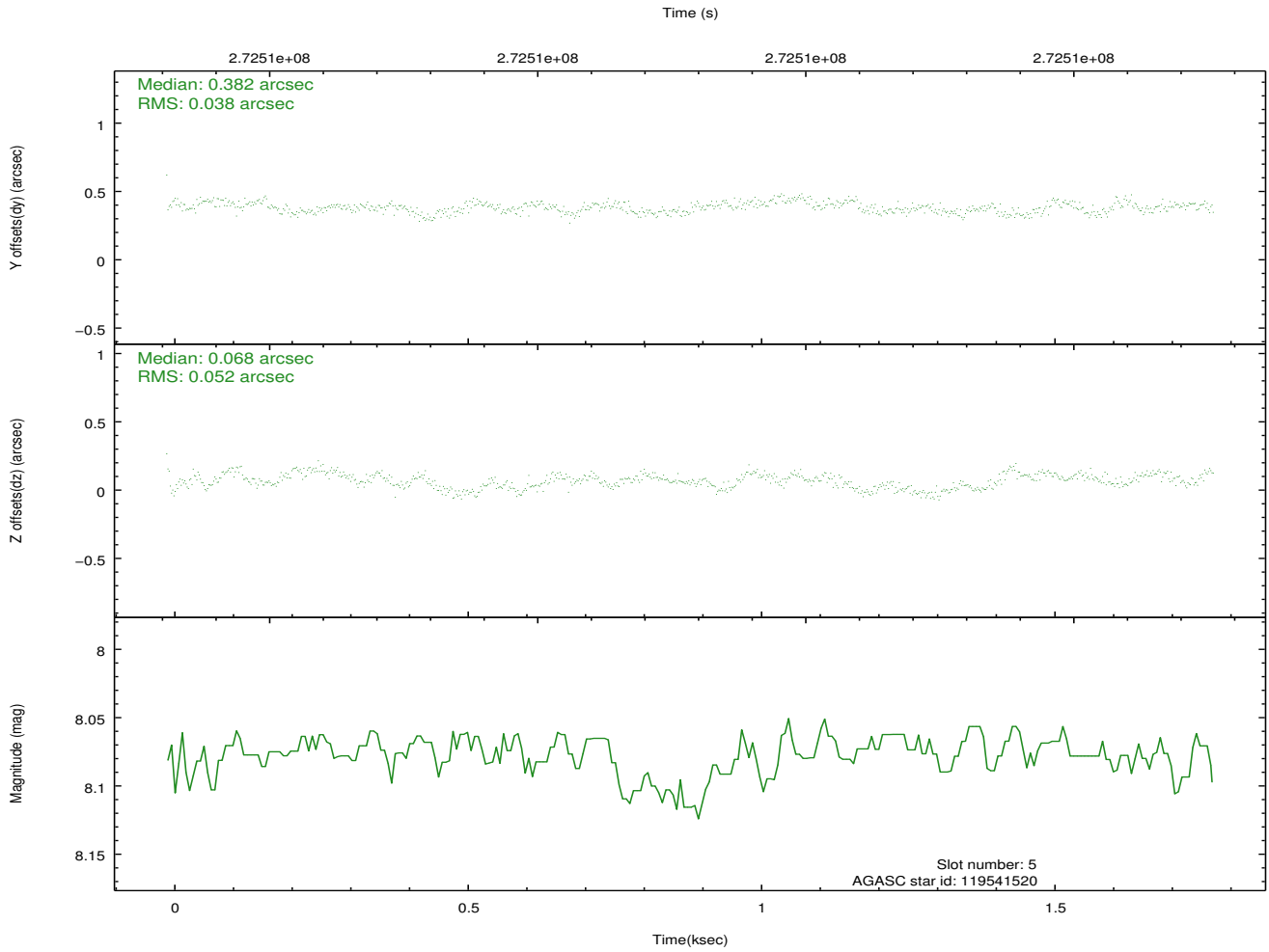
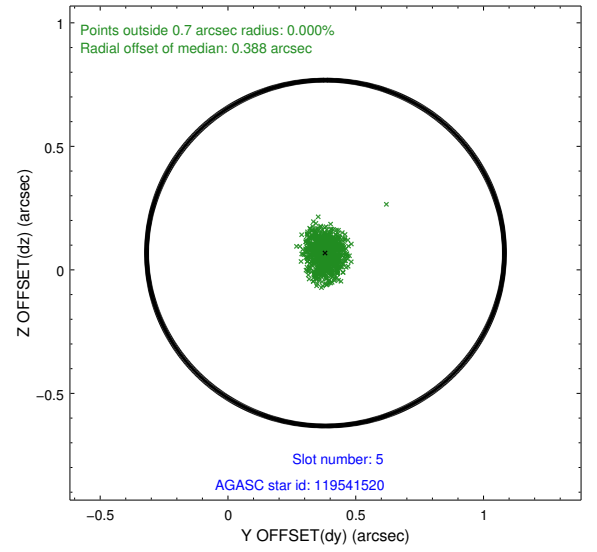
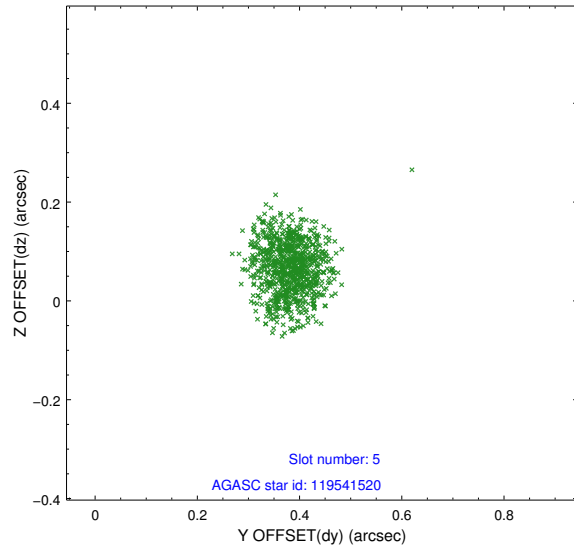
2.4.2 Slot 4



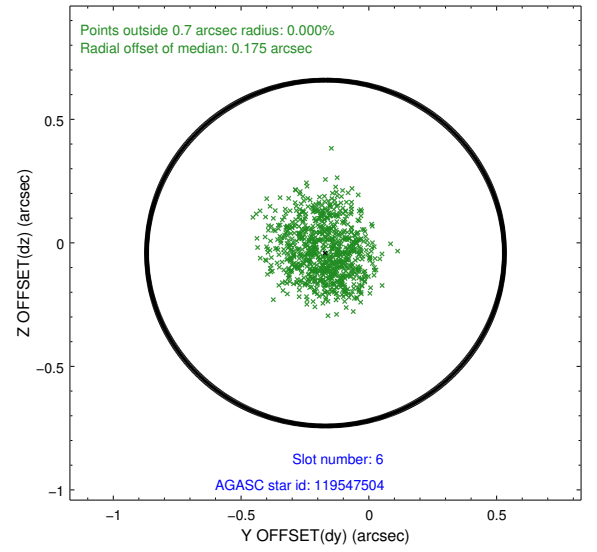
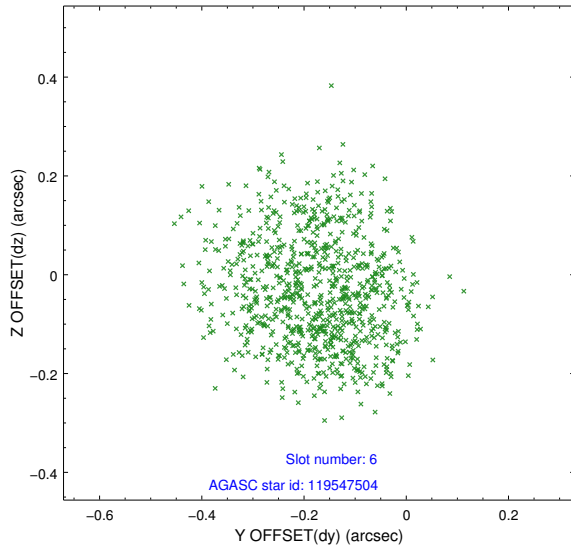
Time (s)



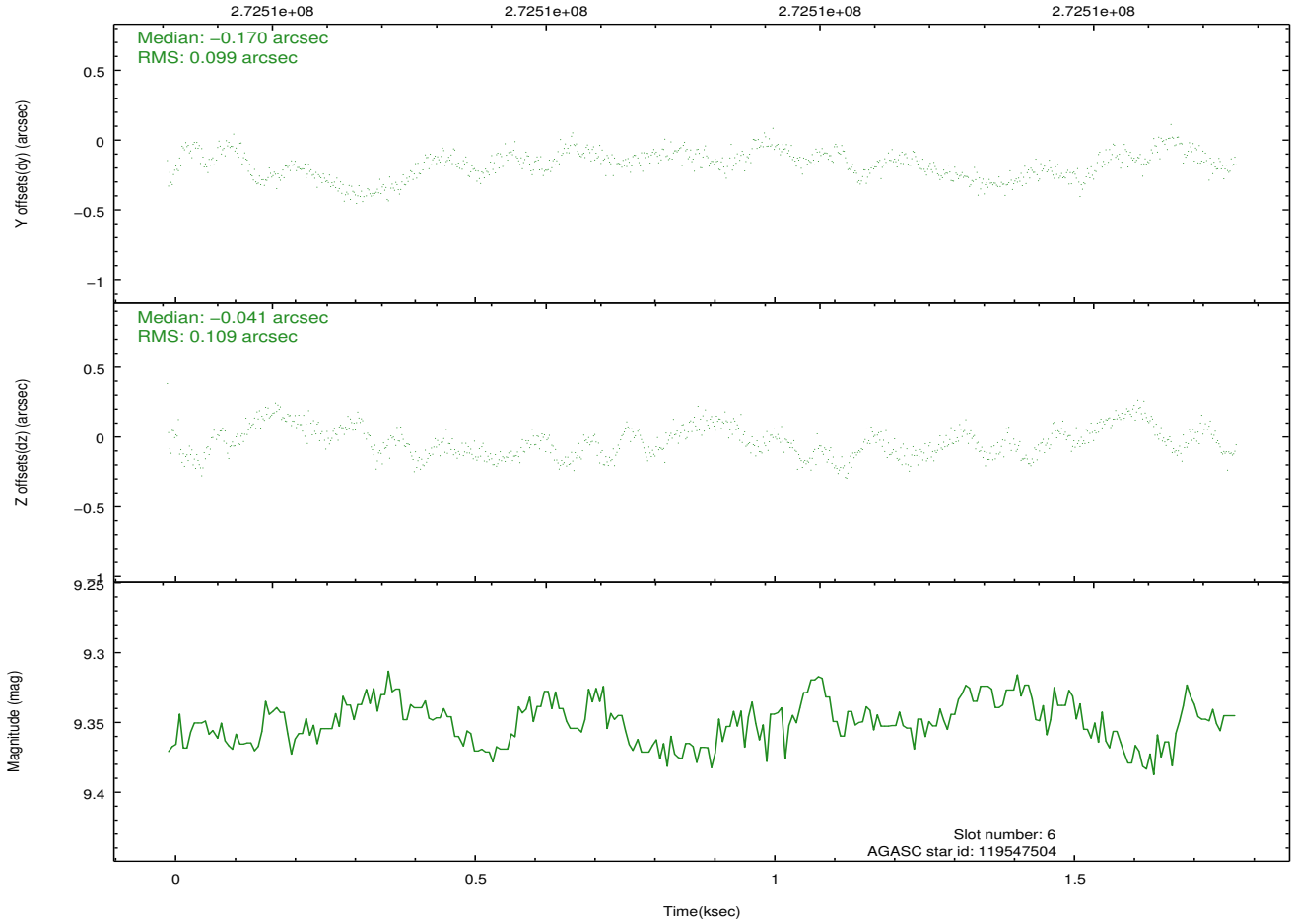
2.4.3 Slot 5



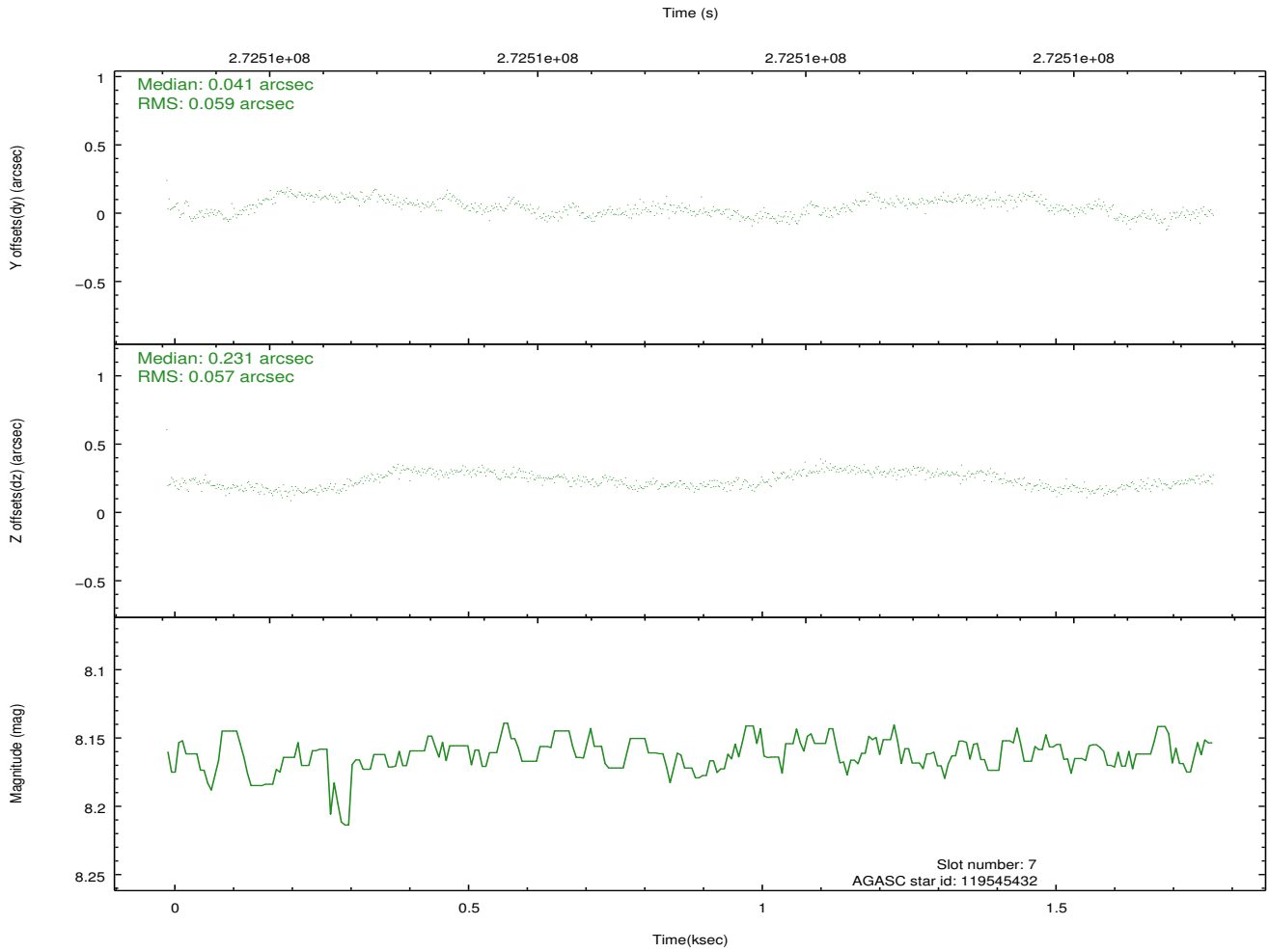
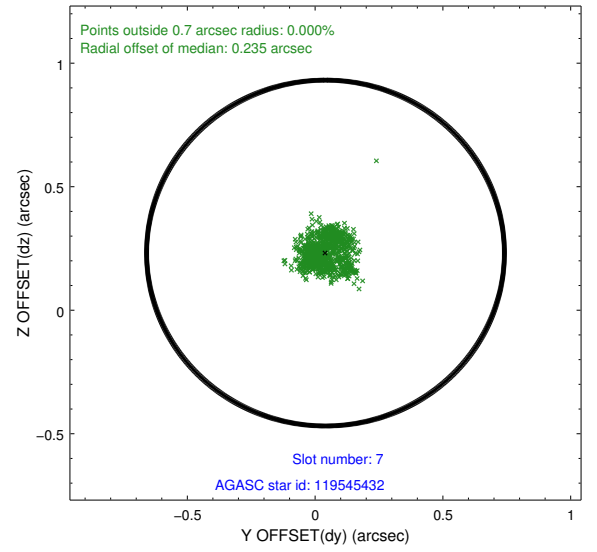
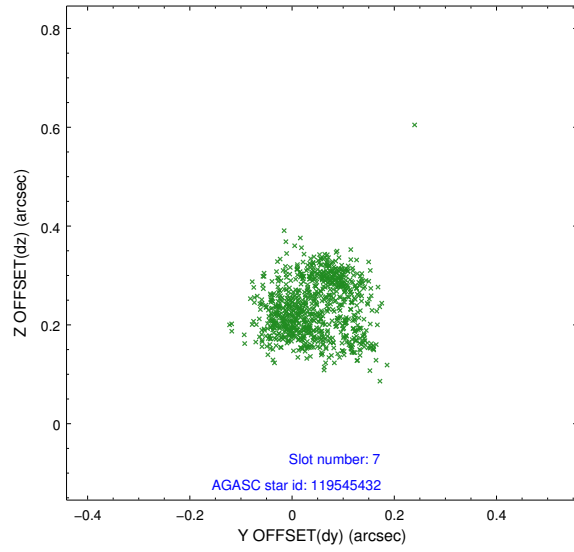
2.4.4 Slot 6



Time (s)

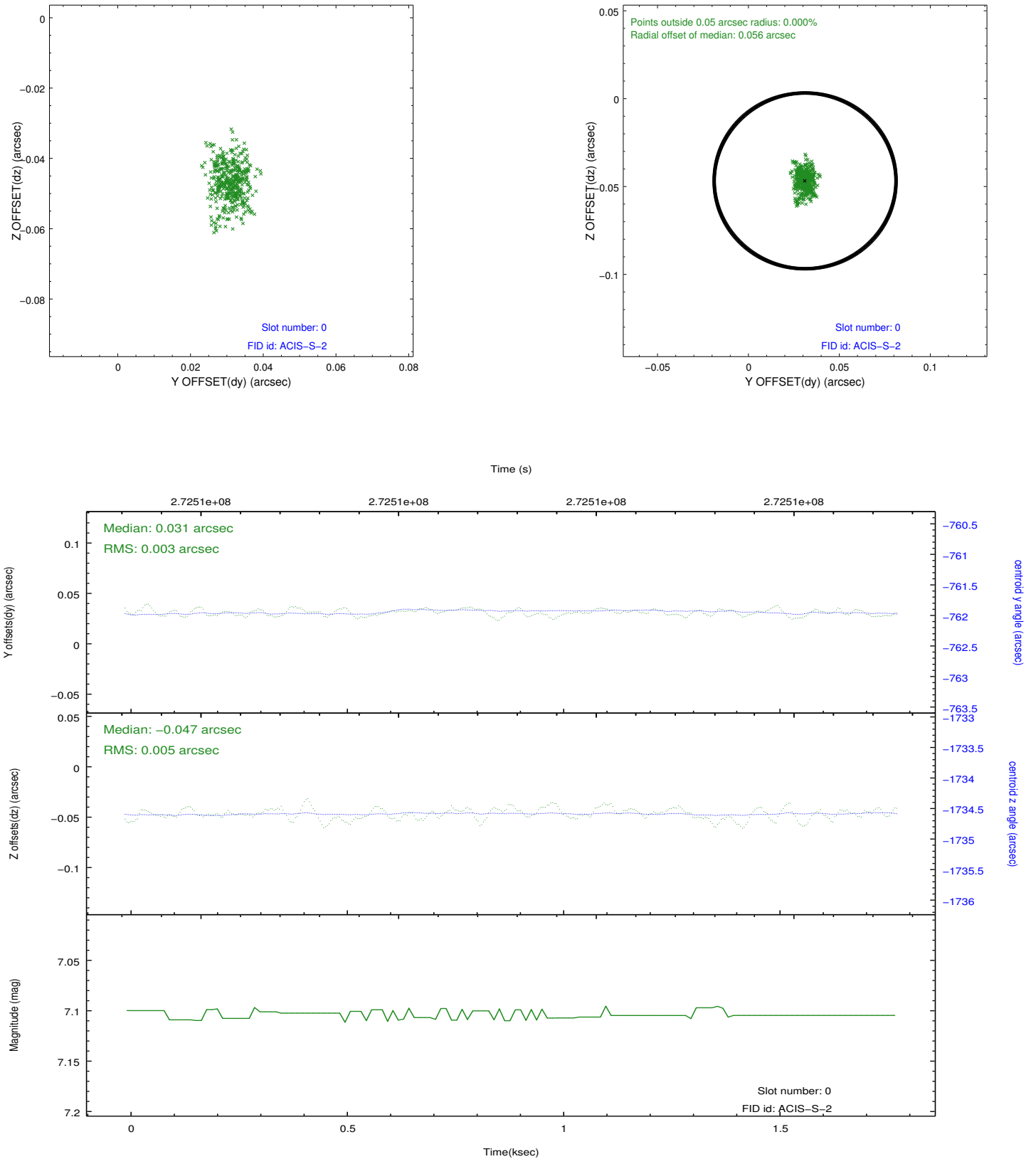


2.4.5 Slot 7

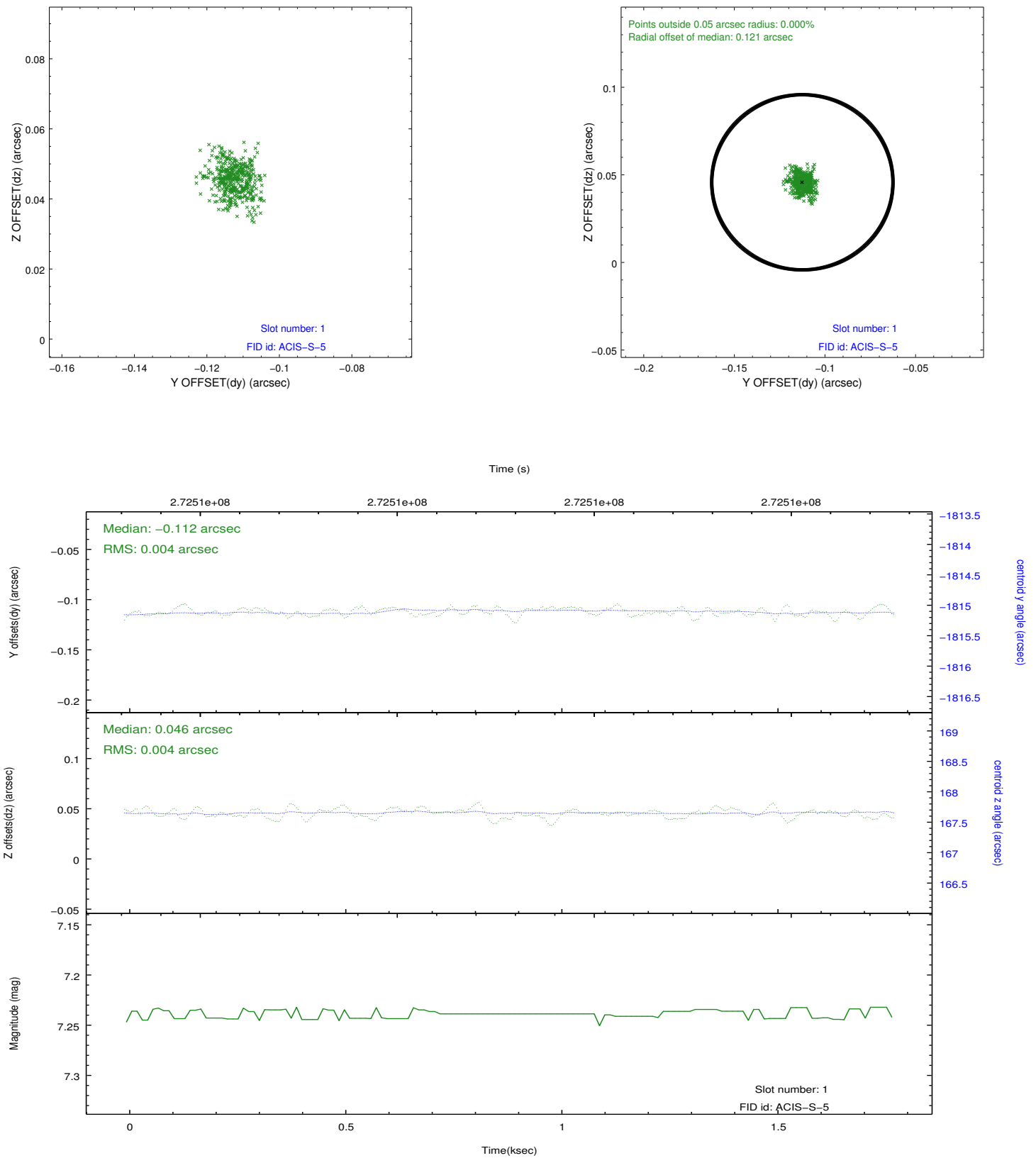


2.5 FID Slots

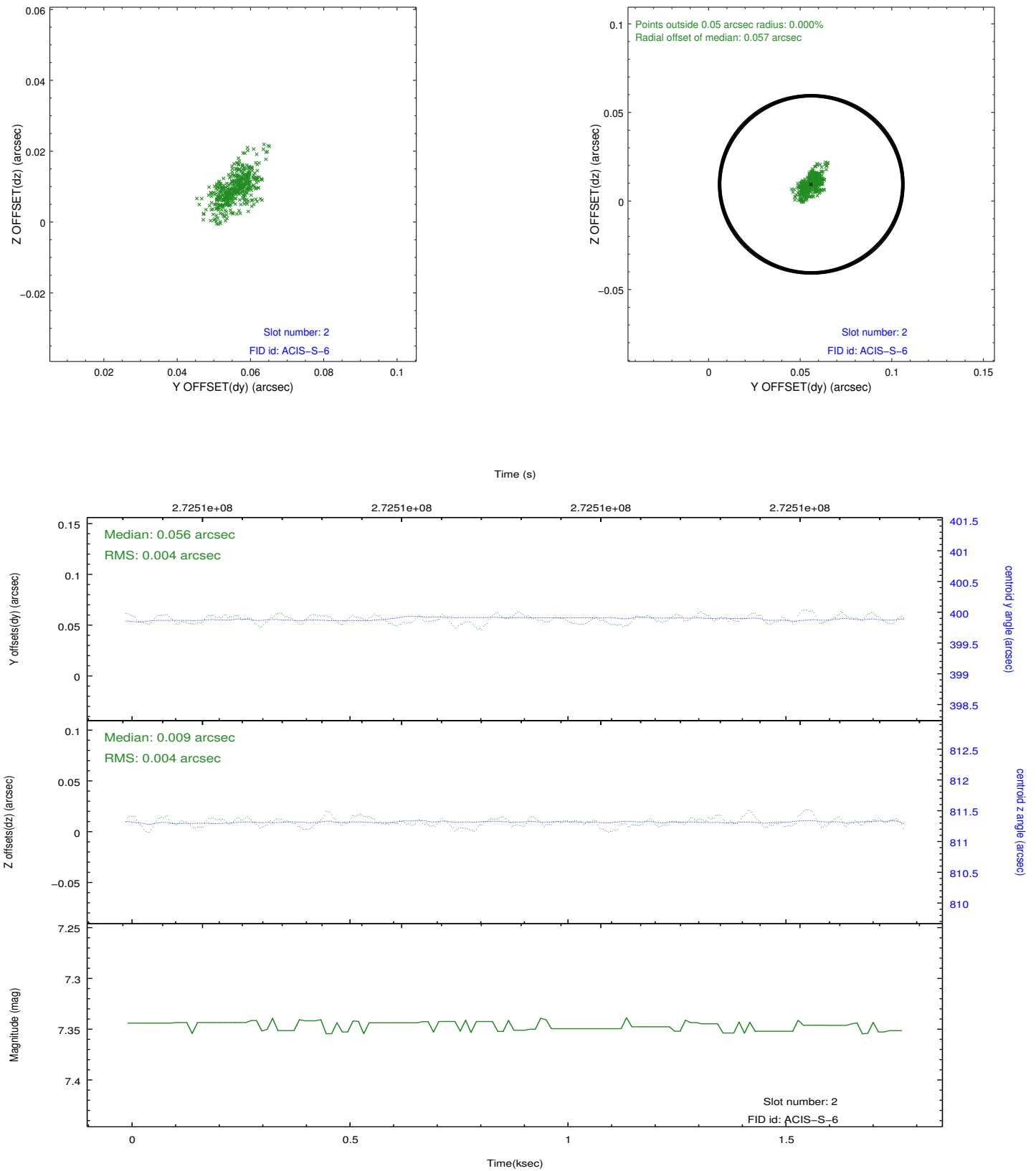
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.54239999

A.2 Comments